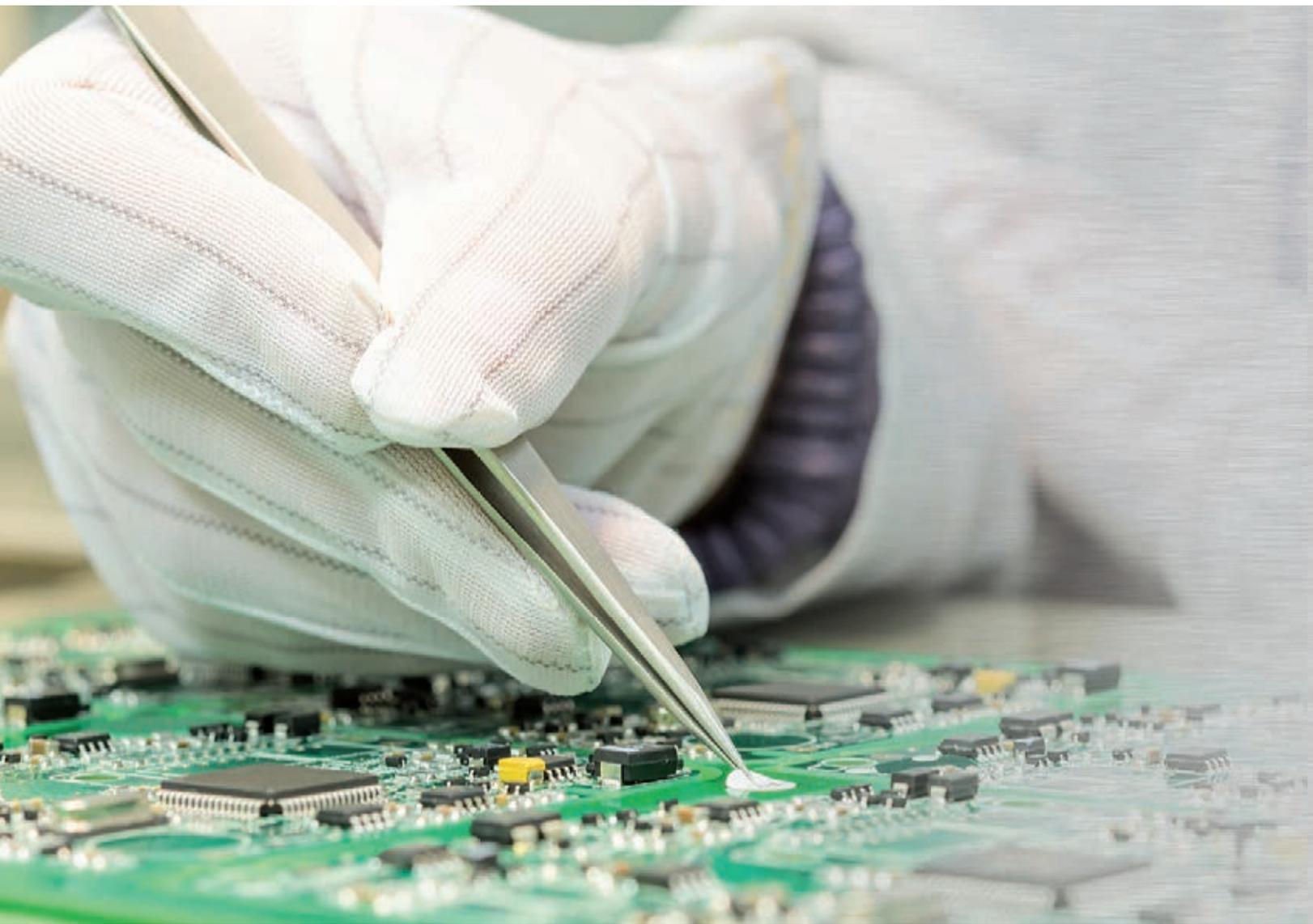


2023  
MAIN CATALOG **2024**

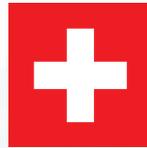


SYSTEMS FOR ELECTRONICS MANUFACTURING



**+ COMPUMET AG**

# WELCOME AT COMPUMET



The registered office of **COMPUMET AG** is in Rheinfelden. We are your system partner for electronics manufacturing in Switzerland and Liechtenstein.



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E-Mail: [info@compumet.ch](mailto:info@compumet.ch)

## **Quality management according to ISO 9001**

An efficient quality management system certified according to ISO 9001:2015 ensures the compliance of our high quality level..



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<b>Content by product group</b>	Page <b>8</b>
<b>Index</b>	Page <b>644</b>
<b>Manufacturer survey</b>	Page <b>650</b>
<b>Technical information</b>	Page <b>652</b>



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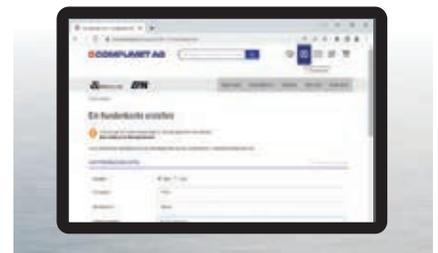
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COMPUMET AG exclusively delivers for the commercial sector! No selling to private individuals!

Complete terms and conditions on our website:

[www.compumet.ch/agb](http://www.compumet.ch/agb)

### \*Delivery flat rate per order

Switzerland, Liechtenstein CHF 11.00

The delivery flat rate is only valid for deliveries sent with Swiss-Post!

### Delivery: unpaid ex warehouse including packaging

**Minimum order value:**  
CHF 25,00

### Method of payment:

Per invoice: 30 days net



Delivery flat rate  
**CHF 11,-\***  
per order

# FOR MORE THAN 30 YEARS YOUR SYSTEM PARTNER FOR ELECTRONICS MANUFACTURING



*Compumet AG head office in Rheinfelden, Switzerland*



*Triplification of DPV's plant area in Eppingen, Germany*

## QUALITY MANAGEMENT ACCORDING TO DIN EN ISO 9001:2015



## Compumet AG

For more than 30 years Compumet AG has been your competent and reliable partner for the equipment of your electronics manufacturing.

We thank you for the confidence you have shown us and the good business relationship in the past years and we look ahead optimistically.

During the past years there were always greater obstacles the Swiss electronic industry had to overcome. It was able to deal with these with innovations and professionalism and will continue to do so.

Our large product range as well as a well-founded knowhow enables us to support you when meeting future challengers.

When it is about the installation of ESD-protected zones (EPA) or the ESD safety of systems, machines as well as employees, we offer you to have a close look at your manufacturing on site and advise you personally.

Do you need any support in ESD management? We train employees and ESD specialists in all important ESD areas, assist you to create your ESD control program and audit your company according IEC (DIN EN) 61340 or ANSI/ESD S20.20.

As a subsidiary of DPV Elektronik-Service GmbH we benefit from a large and selected product portfolio. For this reason, we are able to offer individual solutions adapted to your requirements concerning ESD protection, packaging, table and floor coverings, appliances, machines, tools, inspection tools, corporate-compliant clothes with company logo of industrial grade and many more. The mentioned portfolio comprises products made in our company group as well as branded products of notable, well-known manufacturers.

# ESD PROTECTION FROM THE BEGINNING



*Logistics center Tiefental  
in Eppingen, Germany*



*Logistics center Tiefental  
in Eppingen, Germany*

## **Partnership and confidence**

---

A permanent partnership-based cooperation with our business partners is very important for us.

Confidence and reliability are the basis for this partnership and our activities.

## **Worldwide delivery**

---

We supply the locations of your company worldwide with the same reliability and the product range that you are accustomed to.

## **Preventing ESD risks**

---

Because of the progressing miniaturization and an increase of the efficiency components are getting more and more sensitive to damage caused by ESD. In many cases components are merely damaged and only fail when they have reached the customer. This leads to high costs and unsatisfied customers.

By controlling ESD risks you can achieve a better quality and lower costs.

## **Consulting and auditing**

---

Our strength lies in the individual consulting and finding of the ideal solution for your requirements solutions that fit. Our engineers and ESD coordinators are pleased to consult and support you also on-site with the planning of ESD protective zones, the establishment of the ESD control program and the performance of training courses and workshops.

We perform our qualified ESD audits and material tests according to valid norms.

## **ESD protection in automated production lines**

---

We are specialists with much experience in the evaluation of ESD security in automated installations and processes. We have developed methods and techniques to measure parameters important for the ESD protection during the manufacturing process even in inaccessible installations, to evaluate and minimize ESD risks with the help of our engineers.

## **Preventing ESD risks**

---

Because of the progressing miniaturization and an increase of the efficiency components are getting more and more sensitive to damage caused by ESD. In many cases components are merely damaged and only fail when they have reached the customer. This leads to high costs and unsatisfied customers.

By controlling ESD risks you can achieve a better quality and lower costs.

## **Quality management according to ISO 9001:2015**

---

Quality is important to us – we are a company certified by DEKRA according to ISO 9001. We continuously verify the quality of our products in our laboratory.

# **EPA**<sup>®</sup> The brand for ESD safety

EPA<sup>®</sup> is an exclusive brand of DPV Elektronik-Service GmbH and ensures reliable ESD safety at the workplace, during storage and transport. Carefully selected materials and components allow assuring a very high quality and an excellent price-performance ratio.



## **EPAwear<sup>®</sup> ESD workwear**

Dissipative EPAwear<sup>®</sup> ESD workwear for the protection against electrostatic charge, ESD safety according to IEC (DIN EN) 61340-5-1

- Breathable and hard-wearing fabrics for best wearing comfort
- Dimensionally stable work coats in 3 versions
- Particularly soft and supple fabric of the PremiumSmooth shirts
- Hard-wearing and durable



## **EPAglove<sup>®</sup> ESD gloves**

The EPAglove<sup>®</sup> ESD gloves protect your products against the consequences of electrostatic discharge. Comply with the ESD standard DIN EN 61340-5-1

- Fulfill strict requirements concerning the electrostatic discharge capability
- Breathable mixed textile fabrics for different applications
- Perfect fit with seamless design for an excellent sense of touch
- PU-coated fingertips or palms (depending on model)



## **EPAchair<sup>®</sup> ESD work swivel chairs**

The work swivel chairs comply with the ESD standard IEC (DIN EN) 61340-5-1

- Large selection of chairs, standing aids and stools
- High sitting comfort for your employees working in the laboratory, office or production
- High quality level and long life
- Diverse adjustment options for your individual sitting comfort



## **EPApro<sup>®</sup> personnel grounding test system**

EPApro<sup>®</sup> is a modern, networkable personnel grounding test system with optional EPA zone access control for measurement, analysis and sustainable documentation of the data. Complies with the requirements of DIN EN 61340-5-1, ANSI ESD S20.20 and GDPR

- Integrated multi RFID reader
- Central administration of the devices and data in one database
- Comprehensive export and import functions
- REST API interface for the data connection to an external system

# ESD-safe conforming to the standards



EPA® stands for products especially developed for the EPA protective zone. The focus is on ESD safety, quality and functionality. All products of the EPA brand series comply with the ESD standard IEC (DIN EN ) 61340-5-1



## **EPAclean® ESD cleaning**

The cleaning products of the EPAclean® series ensure that floors and surfaces in the EPA stay clean and functional and keep their ESD protective properties.

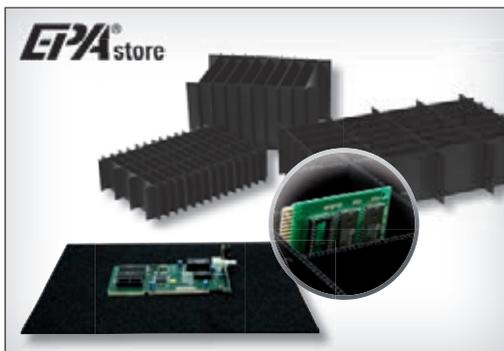
- Ready-to-use cleaners for a quick and uncomplicated cleaning of ESD surfaces
- Concentrates for a daily maintenance cleaning of ESD floors
- Concentrates for an intensive basic cleaning of ESD floors



## **EPApack® ESD packaging**

ESD-sensitive components and assemblies are safely protected against electrostatic influences in shielding, DRY-SHIELD bags and packaging of the EPApack® series.

- Electrostatic shielding <15nJ (Energy Test)
- Shielding, metallized ESD protective bags DPV-1000
- DRY-SHIELD protective bag DPV-2000 with additional moisture and visual protection



## **EPAstore® ESD storage solutions**

The products of the series EPAstore® provide ESD safety when storing and transporting components and assemblies.

- Optimal and ESD-protected storage of your products
- Individual packaging solutions configurable via our online shop
- 200 different standard solutions – suitable for your Euro and KLT containers
- Available in three different, permanently conductive materials and thicknesses



## **EPAmove® ESD transport trolleys**

The functional transport trolleys of the EPAmove® series ensure the ESD-safe transport inside your production.

- ESD transport trolley type 700 Maxi FLEX – with standard or individual dimensions
- Shelf trolleys – safe transport on 3 shelves
- ESD transport trolleys in different versions

# CONTENT

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## ESD Management

ESD Consultation	10
ESD Service	11
ESD Auditing	11
ESD Trainings	12

## Systems against electrostatics

ESD footwear	18
ESD clothes	100
ESD protection	140
Measurements and tests	192
ESD chairs	224
ESD workplace systems	250
Cleanroom	265

## Packaging - Storage - Transport

ESD packaging	274
ESD storage and transport	296

## Tools

Tweezers	384
Screwdrivers	413
Bit inserts	429
Torque screwdrivers	432
Electric screwdrivers	436
Support arm and torque support	447
Torque testers	449
Screw separating units	449
Pliers	450
Stripping / crimping	488
Other tools	493
Pneumatic cutters	499
Processing tools	501
Handling systems	501

## Machines - Devices

PCB processing	504
Component processing	512
Counting devices / balances	521

## Mounting accessories - Equipment

Mounting accessories	526
Dispensing equipment	532
Workstation lighting	541
Optical inspection	551
Cleaning	566
Chemistry	576

## Soldering technology

Soldering technology Weller	588
Soldering technology JBC	618
Hot-air devices Leister	619
Soldering accessories	620
Covering material	623
Solder fume extraction	625
Solders and solderin agents	636

## Further information

Index	644
Manufacturer survey	650
Technical information	652

# ESD Management



## ESD Consultation

ESD Consultation\_\_\_\_\_ 10

## ESD Services

ESD Services\_\_\_\_\_ 11

## ESD Auditing

ESD Auditing\_\_\_\_\_ 11

## Trainings and workshops

ESD Basic training\_\_\_\_\_ 12

ESD Training "Methods and measurements"\_\_\_\_\_ 13

ESD Specialist\_\_\_\_\_ 14

ESD Coordinator workshop\_\_\_\_\_ 14

ESD Training for management and  
decision-makers\_\_\_\_\_ 15

## ESD Consultation

- On-site ESD inspection and analysis of weak points
- ESD risk assessment of machines and installations
- Introduction or update of the ESD control program

### ESD consultation

ESD safety prevents damage of your products caused by static charge. In an electronic manufacture there are many areas where static charge may occur. Especially in systems and machines conditions prevail leading to damage caused by ESD.

We analyze and evaluate the existing situation in your manufacture and support you to create or to complement your ESD control program in which you define and control the ESD protective measures according to your individual requirements. The scope of the consultation is agreed according to your needs.

In order to control the implementation and application of the ESD protective measures defined in the ESD control program, we offer you an auditing in compliance with valid standards. We also quote an on-site ESD basic training in handling ESD-sensitive modules for your employees.

We offer special topics like e.g. "ESD safety in machines and systems", also on-site.



### On-site ESD inspection and analysis

ESD risks can occur in different forms and situations. The production is subject to constant change. New machines and installations are installed and have to be evaluated in terms of safety. For this reason, regular ESD inspections and analyses of weak points for ESD protection have to be done.

Our experienced specialists are able to detect weak points of the ESD protection and recommend you necessary countermeasures and possible solutions. We have modern measuring devices for measurements, also in running production systems, to obtain informative measuring data. So it is possible to determine where ESD protective measures are required and how risky a process is.

At the same time the target/actual state of your ESD protective measures is established. The obtained findings and solutions should be integrated in your ESD control program.

The analysis can comprise your entire production or only individual partitions.

The ESD inspection is to extend and complement your ESD protective measures and increases the ESD safety.

We will consult you beforehand about ESD safety when planning and equipping new production areas.

The findings of the ESD inspections can substantially contribute to a reduction of the ESD risk.

### ESD risk assessment of machines and installations

Today, the electronic manufacturing is characterized by automatized production processes. Due to the progressive miniaturization manual processes are pushed into the background. High process speeds and complex processes as well as a simultaneous increase of the ESD sensitivity of components lead to a higher risk of ESD damage. At the same time the customers of electronics manufacturers demand high reliability of electronic modules.

In assembling and production processes many different materials are processed. Transport, stacking and removal processes take place. Every material movement is connected to static charge and ESD risks. These risks need to be detected and evaluated with measuring data.

Using modern measuring devices we analyze the installation to be evaluated during current real operation. We provide the results in a report. Afterwards, we offer you individualized proposed solutions for detected ESD risks.

### Introduction or update of the ESD control program

The basis of a functioning ESD protection is the introduction of an ESD control program according to the standard DIN EN 61340-5-1.

In the ESD control program you define the necessary ESD protective measures and determine their monitoring. The ESD control program has to correspond to the individual requirements of your processes and products. We consult and assist you competently with the creation of your ESD control program.

The ESD control program is the basis and a necessary prerequisite for the auditing.



**ESD Services**

**ESD Services:**

- Execution of regular ESD measurements and tests
- Calibration service of the measuring devices and tools
- ESD measuring service (we provide the measuring devices and execute the measurements for you)
- Product qualification according to DIN EN 61340-5-1

**Exection of regular ESD measurements and tests**

According to the standard the equipment of the EPA has to be checked and measured regularly. The measurements have to be recorded.

We take care of the execution of the annually recurring, regular ESD measurements and tests according to DIN EN 61340-5-1 or support you in doing this.

**Calibration service for the measuring devices and tools**

We offer a calibration service for the test and measuring devices we distribute.

**Product qualification according to DIN EN 61340-5-1**

In our modern laboratory we can execute ESD qualifications for ESD materials and products fulfilling the requirements of the standard DIN EN 61340-5-1.



**ESD Auditing**

**ESD auditing according to DIN EN 61340-5-1**

The ESD auditing verifies and certifies the ESD protective measures and processes defined in your ESD control program. Before the auditing it is useful to execute a pre-audit or at least an ESD inspection to detect early any deviations from the ESD control plan or to integrate modifications that have been made in the meantime.

**Pre-audit target/actual state**

The pre-audit is to prepare the auditing. As a rule the pre-audit is made at least three months before the main audit. During the pre-audit, as during the main audit, the ESD protective measures defined in the ESD control program are verified.

We provide you an overview of the current state of your ESD protective measures. Existing ESD protective measures are tested for their compliance with DIN EN 61340-5-1. All parts of the electronics manufacturing process are subject to a test from incoming to outgoing goods.

The documentation of the ESD control program is verified for correctness and completeness and is complemented in case of modifications. A report in the form of a check list documents the verification and shows potential week points and deficiencies.

**Auditing / re-certification according to DIN EN 61340-5-1**

During an audit the existing ESD protective measures are tested for their compliance with standards and application according to the indications of your ESD control program. The measures documented in the ESD control plan are verified.

The measurement records of the regular tests are reviewed and the observance of the measures provided in the ESD control plan are controlled.

Divergencies from the ESD control program are defined and recorded. If the auditor sees any room for improvement, he will give recommendations.

In an audit report the detections and the procedure are documented and the compliance of the ESD protective measures according to your ESD control program are certified considering the standards in force.



## Trainings and workshops

The safe handling of the employees with electronic components and assemblies is important for the ESD protection. We offer you application-oriented trainings for your employee, responsible persons and managers:

- ESD basic training (on-site or via livestream online)
- ESD training "Technology and measurement"
- ESD specialist
- ESD coordinator training
- ESD training for management and decision-makers
- ESD workshop for special themes

All our training courses are based on the requirements of the ESD standards DIN EN 61340-5-1, IEC 61340-5 and VDE 0300.

### Train your employees right from the beginning

It is necessary to impart the extensive topic "ESD safety" especially to sector newcomers in electronics industry and trainees. The correct personal behavior is decisive when handling electronic components to prevent any damage to the electronics.

All offered trainings promote the understanding of electrostatic correlations and effects and show how to apply ESD protective measures in a targeted way and to recognize ESD risks.

It is recommended, but also demanded by the aforementioned standard, to refresh regularly the expert knowledge of your employees. This prevents mistakes and renews as well as expands their knowledge.



## ESD Basic training (on-site)



A safe handling with ESD-sensitive components and assemblies is a fundamental element of the ESD protection. The half-day ESD basic training will give the participants the necessary basics and practical knowledge for the ESD safety in production and assembly. The ESD basic training is suitable for new employees as well as apprentices and for a regular refreshing of the employees' knowledge. The training content can be adapted to the specific requirements of your company.

**The ESD basic training will take place on-site in your company and will be temporally adjusted to your training needs.**

**New employees do not need any prior knowledge. Offer: including inspection of the ESD areas**

#### Duration:

- half-day training
- an individual adaptation to your training needs is possible

#### Content:

- Basics of electrostatics
- Risks and damage caused by static charge and ESD
- ESD protective measures and effects
- ESD labeling
- Monitoring of the measures and documentation

Practical examples show the development of electrostatic charge and the effect of suitable ESD protective measures.

All participants receive detailed training documents and a certificate of participation.

#### Target groups:

- Employees of the electronics manufacturing and device assembly
- Employees of the quality assurance
- Employees of the development, production scheduling, logistics
- Purchasing employees
- Young professionals of the electronics manufacturing and device assembly
- Apprentices and students having jobs in electronics industry

The training course is designed for up to 15 participants to obtain optimal training success.

#### Do you have any questions or would like to receive an offer?

Send an e-mail including your desired date to our sales team. Please indicate the number of participants and the training location in your inquiry.

#### dpvlink 20151

Article	Type
D-0050	<b>ESD basic training</b> up to 15 participants including training material and certificate of participation Dates by arrangement



## ESD Basic training (livestream online)



A safe handling with ESD-sensitive components and assemblies is a fundamental element of the ESD protection. The half-day ESD basic training will give the participants the necessary basics and practical knowledge for the ESD safety in production and assembly. The ESD basic training is suitable for new employees as well as apprentices and for a regular refreshing of refreshing of the employees' knowledge. The training content can be adapted to the specific requirements of your company.

The participants take part in the online training via a link and the sent access data. No software has to be installed.

**A communication with the instructor is possible at any time. For this, an audio output e.g. headset with microphone is required. There is no travel, booking or lengthy preparation required.**

Duration:

- half-day training

Content:

- Basics of electrostatics
- Risks and damage caused by static charge and ESD
- ESD protective measures and effects
- ESD labeling
- Monitoring of the measures and documentation

Practical examples show the development of electrostatic charge and the effect of suitable ESD protective measures.

All participants receive detailed training documents and a certificate of participation.

Target groups:

- Employees of the electronics manufacturing and device assembly
- Employees of the quality assurance
- Employees of the development, production scheduling, logistics
- Purchasing employees
- Young professionals of the electronics manufacturing and device assembly
- Apprentices and students having jobs in electronics industry

We offer training for individuals or also for in-house groups. We can also agree to your desired dates.

Do you have any questions or would like to receive an offer?

Send an e-mail including your desired date to our sales team.

**dpvlink 24063**

Article	Type	
D-0053	<b>ESD Basic training (livestream online) - company</b> Up to 15 participants. Including training material and certificate of participation	
D-0054	<b>ESD Basic training (livestream online) - individual training</b> For individual participant. Including training material and certificate of participation  Conference system in use: Jitsi ( <a href="https://meet.dpv-web.de">meet.dpv-web.de</a> )	

## ESD Training "Methods and measurements"



The practically oriented training "Methods and measurements" is based on existing basics in the field of electrostatics and the knowledge of a potential danger for electronic components. The participants gain the knowledge how to carry out measurements, document and evaluate the ESD control elements.

**The training "Methods and measurements" will take place on-site in your company and will be aligned to your training needs.**

Duration:

- the duration of the training orients to your training needs

Content:

- measurement basics
- measurement methods, electrical engineering
- measuring equipment
- demonstration of measurements
- evaluation of the measured values
- tips and tricks

We train your employees in compliance with the standards and provide them the knowledge to support with their work your ESD coordinator when executing measurements.

Every participant receives training materials and a certificate of participation

Target groups:

- specialists with technical understanding
- employees of the quality assurance

How and when can you book the ESD training "Methods and measurements"?

We offer the training as an on-site training in your company. Here, we are responsive to your individual desired dates.

Do you have any questions or would like to get an offer?

Your are welcome to contact our sales team, indicating your desired date.

**dpvlink 24137**

Article	Type	
D-0060	<b>ESD Training "Methods and measurements"</b> up to 12 participants including training material and certificate of participation	

## ESD Specialist



The ESD specialist knows the connection in the field of ESD and the effects of ESD protective measures. He/she gains the knowledge how to carry out measurements to verify, document and evaluate the ESD control elements. With his/her work, he/she will support your ESD coordinator.

**The ESD specialist training is a one-day training comprising theoretical and practical contents.**

Duration:

- one-day training

Theoretical contents:

- basics of electrostatics
- risks due to static charge
- ESD protective measures
- ESD control program

Practical contents:

- introduction
- knowledge about ESD protective measures
- measurement of ESD protective elements
- documentation and evaluation of the measurement

We train your employees in compliance with the standards and provide them the knowledge to support with their work your ESD coordinator in the monitoring and observance of all measures.

Every participant receives training materials and a certificate of participation.

Target groups:

- specialists with technical understanding
- employees of the quality assurance

How and when can you book an ESD specialist training?

We offer several dates for ESD specialists in different junctions in Germany during the year.

Of course, we also offer on-site trainings in your company. Here, we are responsive to your individual desired dates.

Do you have any questions or would like to get an offer?

Your are welcome to contact our sales team, indicating your desired date.

dpmlink 24134		
Article	Type	
D-0070	<b>ESD specialist, workshop on-site in the company</b> up to 12 participants including training material and certificate of participation	
	Dates by arrangement	
D-0071	<b>ESD specialist, workshop in different junctions in Germany</b> up to 12 participants including training material and certificate of participation	
	Current dates for this training can be found under "Dates" Further dates on request	

## ESD Coordinator workshop according to DIN EN 61340-5-1



An ESD control program structured according to DIN EN 61340-5-1 requires the appointment of an ESD coordinator given the responsibility to implement the requirements of the standard. For this purpose, we regularly offer coordinator workshops. The essential contents are among others ESD basic knowledge, measurement of ESD control elements, knowledge about the analysis of working areas and documentation in the ESD control program plan.

A good understanding for electrostatics ensures optimal training success.

**The ESD coordinator workshop comprises theoretical and practical contents.**

Duration:

- one-day training

Theoretical contents:

- basics of electrostatics
- risks and damage
- ESD protective measures
- ESD control program
- ESD packaging
- labelling
- monitoring and analysis
- reference to the quality management ISO 9001
- ESD audit according to the requirements of IEC 61340-5-1

Practical contents:

- practical examples for workplace analysis
- application of different measuring methods
- documentation and evaluation of the measurement results

We train your employees in compliance with the standards to prepare them for their new task as an ESD coordinator enabling them to introduce and check the measures according to DIN EN 61340 in your company.

Every participant receives detailed training materials and a certificate of participation.

Target groups:

- persons responsible for ESD areas
- technical purchasers

How and when can you book an ESD coordinator training?

We offer several dates for coordinator workshops in different junctions in Germany during the year.

dpmlink 24132		
Article	Type	
D-0080	<b>ESD Coordinator workshop according to DIN EN 61340-5-1</b> up to 15 participants including training material and certificate of participation	
	Current dates for this training can be found under "Dates" Further dates on request	

## ESD Training for management and decision-makers



The ESD training for management and decision-makers is focused on risk assessment as well as product liability and commercial aspects.

ESD protection influences the quality of the products and the manufacturing. A defective ESD protection leads to a reduction in quality and complaints of your customers. These aspects are often insufficiently considered.

**The ESD training for management and decision-makers will take place on-site in your company and will be aligned to your training needs.**

### Duration:

- the duration of the training is adapted to your training needs

### Contents:

- risk assessment
- product liability
- quality influences
- complaints in connection with ESD protection

Every participant receives training materials and a certificate of participation.

### Target groups:

The training is addressed to all persons having decision-making competences for areas where ESD-sensitive components and devices are handled

- management
- heads of the development department
- technical directors
- quality management
- technical purchase

### How and when can you book an ESD training for management and decision-makers?

We offer the training as an on-site training in your company. Here, we are responsive to your individual desired dates.

### Do you have any questions or would like to get an offer?

Your are welcome to contact our sales team, indicating your desired date.

### dpvlink 24130

Article	Type
D-0081	<b>ESD training for management and decision-makers</b> up to 12 participants including training material and participation certificate  Dates by arrangement



## VDE series electrostatics



### ELEKTROSTATIK Ursachen, Wirkungen, Schutzmaßnahmen, Messungen, Prüfungen, Normung

The book gives you an overview of possible sources of electrostatic charges and their effects as well as protective measures against electrostatic charges and discharges. Measurement methods for the choice of materials and the currently valid standards are presented. The book addresses to planners and operators of production sites of electronic components and devices, to employees of manufacturing sites, to equipment manufacturers and to service technicians.  
(available only in German)



### dpvlink 592

Article	Type
ESD.VDE.B-4	<b>VDE book Elektrostatik volume 71</b> 4th updated edition, 2017 - only available in German



## CD ESD - The invisible lightning bolt



### ESD - The invisible lightning bolt: damages caused by electrostatic discharge and how to avoid them.

"The invisible lightning bolt" treats the difficulties of electrostatic discharges (ESD) in the semiconductor industry. With examples of static charging and discharging possibilities the awareness to ESD will be sharpened. Furthermore, the film shows examples from the Infineon semiconductor sector for ESD protection and the necessary requirement concerning furnishing, equipment of the employees, packaging, machines and handling instructions.

CD-ROM with video file (MPEG) for PC, play time approx. 13 minutes, language English



### dpvlink 594

Article	Type
ESD.7901.CD.e	<b>CD ESD - The invisible lightning bolt</b> ESD Video clip, English





# Systems against electrostatics



## ESD Footwear

Overview of safety classes	18
Find your shoe quickly and easily!	18
DPV Komfort	19
BIRKENSTOCK	23
ABEBA	26
JALAS	38
SIEVI	44
LUPOS	50
U-POWER	52
ELTEN	56
ATLAS	64
UVEX	70
PUMA	74
ALBATROS	76
LEMAITRE	78
STEITZ SECURA	80
FTG Safety shoes	82
BATA	85
BAAK	88
Orthopedic insoles	92
ESD socks	93
Shoe care products	94
Heel grounders and overshoes	95
Sole cleaning	98

## Workwear

EPAwear® Work coat	100
Workwear	108
ID card holders	130
ESD gloves	131

## ESD Protection

Personnel grounding systems	140
Workplace sets	145
ESD Table and shelf coverings	147
ESD Floor coverings	150
ESD Floor coating	160
Cleaning	161
Transparent ESD plastic materials	170
ESD Workplace accessories	171
ESD Labelling	184
Adhesive tapes	187
EPA barrier system for ESD protected zones	190

## Measurement and tests

Personnel test stations	192
EPA Access control system	198
Permanent monitoring	200
High resistance meters	204
Surface resistance meters	208
Measuring electrodes / accessories	209
Temperature / humidity meter	211
Detector systems	211
Electrostatical voltmeter	212
Charged plate monitors	214
Walking test kits	215
LCR Tester / LED tester	384
Ionizing equipment	217

## Work swivel chairs

ESD Swivel chairs EPAchair®	224
Viasit Swivel chairs	232
Treston Swivel chairs	233
Bimos Swivel chairs	234
Swivel chairs, others	245
Footrests and climbing aids	249

## ESD Workplace systems

ESD Work table systems	250
ESD Drawer units	261
ESD Mobile workstation	263
ESD Universal cabinets	264

## Cleanroom

Cleanroom cleaning sticks / Swabs	265
Cleanroom office supplies	265
Cleanroom wipes	266
Cleanroom gloves	266
Cleanroom clothing	267
Special shoes	268
Overshoes	269
Tacky mats	269
Swivel chairs cleanroom	270

## ESD Footwear

### Safety shoe classes at a glance

Professional and safety shoes have to withstand the requirements in different working areas every day. The standards EN ISO 20347 for professional footwear and EN ISO 20345 for safety footwear are to assure homogenous safety standards. The selection of the appropriate shoes is made on the basis of the risks for the relevant application. You will receive information about this subject from the security officers in your company and the relevant trade associations.

#### EN ISO 20347 for professional footwear

The standard EN ISO 20347 defines the basic and additional requirements for professional footwear that are not subject to mechanical risks (by impact or pressure). Professional footwear according to EN ISO 20347 is normally produced without toe cap.

- OB** All basic requirements
- O1** In addition to OB: closed heel, antistatic, energy absorption capacity in the heel
- O2** In addition to O1: water penetrability, water absorption

#### EN ISO 20345 for safety shoes

Safety shoes are produced according to the standard EN ISO 20345 and offer the wearer the highest possible protection. The processed protective toe and heel caps are certified for high stress caused by an impact or pressure effect of 200 Joule.

- SB** All basic requirements
- S1** Additionally to SB: closed heel, antistatic, energy absorption capacity in the heel, fuel resistance
- S1P** In addition to S1P: midsole with penetration protection
- S2** In addition to S1: water penetrability, water absorption
- S3** In addition to S2: midsole with penetration protection, profiled outsole

#### DGUV standard 112-191 - orthopedic insoles for safety shoes

Since 2007 the **DGUV standard 112-191 (formerly BGR 191)** has clearly regulated the use of orthopedic insoles in safety shoe and the individual finishing of safety shoes. According to the standard, only modifications of the safety shoe approved by a certified testing authority and attested by an EC type examination certificate are permitted.

Especially in case of shoes having to fulfill the ESD standard EN 61340-5-1, the use of certified orthopedic insoles is essential as those ensure the necessary contact and assure all in all the required ESD protection.

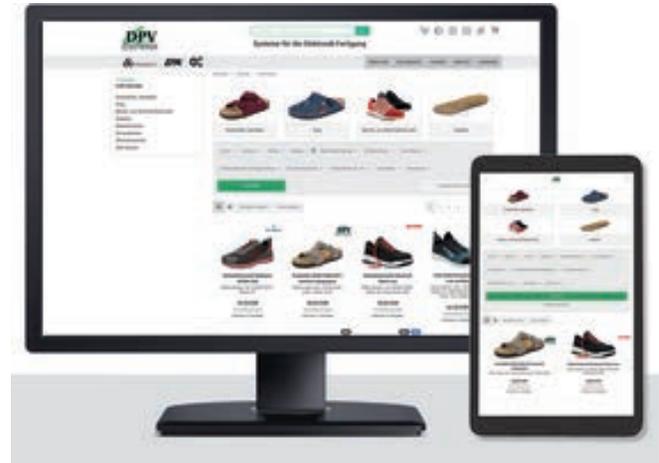
-  All shoes with this icon have been certified by the respective manufacturer according to the DGUV standard 121-191.

### Find your shoe quickly and easily!

- Find the appropriate shoe quickly with our **shoe filter** in our **online shop**
- **simple search** in the complete product range of professional and safety shoes
- **many filter criteria** for optimal selection



### Use our shoe filter online - with a few clicks to the appropriate shoe!



### Filter according to the requirements for your shoe:



- Manufacturer
- Size
- Color
- Shoe shape
- Professional and safety class
- Slip resistance
- Penetration protection
- Suitability for orthopedic insoles

You will find more information about the requirements directly in the filter.

### Filter now and find the appropriate shoe...

### Reliably tested!

The EPApro® ESD Personnel Tester 1000 allows testing your safety shoe reliably, simply and in less than 2 seconds before entering in the ESD-protected zone.

Further information about the EPApro® 1000 are available in the **catalog under "Measurements and tests"** or **online with the *dpvlink* 21010**



# DPV-komfort

## für besten Tragekomfort

DPV professional footwear is antistatic and offers highest wearing comfort for the daily work.

During the treatment high-quality natural material are used ensuring superior quality and environmental compatibility.

For the upper nubuck or smooth leather is used. The footbed of the DPV professional shoes is made of cork, jute and natural latex and has an air cushion pad in the heel. Its special treatment makes the footbed lightweight and flexible. Therefore, it adapts to the natural movement of the foot and ensures a soft treat. All professional shoes have a volume conductive, slip- and abrasion-resistant PU outsole and a suede insole with integrated vulcanized conductive contact points.

In compliance with the ESD standard DIN EN 61340-5-1 



 **ESD approved shoes**  
in accordance with EN 61340

 **100% metal-free shoe**

 **Work shoes OB**  
in accordance with EN ISO 20347

 **Exchangeable insole**

### Slippers, sandals

#### Slipper STYLE DPV-komfort



Slipper, adjustable buckle at the instep; air cushion cork footbed. DIN EN ISO 20347.



dpvlink 22591

Article	Color	Upper	Size
2505.026.K966	black / croco	nubuck / leather	36-42



#### Women's slipper with three buckles DPV-komfort



Women's slipper with three buckles; air cushion cork footbed; DIN EN ISO 20347.

.K982



.K975



.K956



dpvlink 13042

Article	Color	Upper	Size
2505.021.K982	copper metallic	patent leather	36-42
2505.021.K975	marga / grey	nubuck	36-42
2505.021.K956	marga / black	nubuck	36-42



#### Women's slipper with wedge heel DPV-komfort



Women's slipper, three buckles with wedge heel, nubuck; air cushion cork footbed; DIN EN ISO 20347.



dpvlink 16751

Article	Color	Upper	Size
2505.025.K56	black	nubuck	36-42



Slipper DPV-komfort



Women's / men's slipper with velcro fastener; air cushion cork footbed; DIN EN ISO 20347.



**dpwlink 9723**

Article	Color	Upper	Size
2505.030.K56	black	nubuck	36-41
2505.030.K59	marine	nubuck	36-41
2505.030.51	navy	nubuck	36-41
2505.030-1.51	navy	nubuck	42-48

Women's slipper DPV-komfort



Women's slipper with wedge heel, two buckles; air cushion cork footbed; DIN EN ISO 20347.



**dpwlink 012**

Article	Color	Upper	Size
2505.012.K717	purple	nubuck	36-42
2505.012.16	black	leather	36-42
2505.012.51	navy	nubuck	36-42
2505.012.00	white	leather	36-42

Woman's slipper with velcro fastener DPV-komfort



Women's slipper, adjustable velcro fastener, nubuck, metal-free, wedge heel, air cushion cork footbed; DIN EN ISO 20347.



**dpwlink 16748**

Article	Color	Upper	Size
2505.122.K56	black	nubuck	35-42
2505.122.K59	marine	nubuck	35-42

Slipper DPV-komfort



Women's / men's slipper with two buckles; air cushion cork footbed; DIN EN ISO 20347.



**dpwlink 005**

Article	Color	Upper	Size
2505.011.51	navy	nubuck	35-41
2505.011-1.51	navy	nubuck	42-48
2505.011.K722	berry	nubuck	35-41
2505.011.K725	stone grey	nubuck	35-41
2505.011-1.K725	stone grey	nubuck	42-48
2505.011.00	white	leather	35-41
2505.011-1.00	white	leather	42-48
2505.011.11	blue	leather	35-41
2505.011-1.11	blue	leather	42-48
2505.011.16	black	leather	35-41
2505.011-1.16	black	leather	42-48

Women's sandal DPV-komfort



Women's sandal with velcro fastener; nubuck; metal-free; air cushion cork footbed; DIN EN ISO 20347.



**dpwlink 7211**

Article	Color	Upper	Size
2505.126.K56	black	nubuck	35-41
2505.126.K59	marine	nubuck	35-41

**Sandal with heel strap DPV-komfort**



Women's and men's sandal with heel strap, two buckles; air cushion cork footbed. DIN EN ISO 20347.



**dpvlink 018** 

Article	Color	Upper	Size
2505.101.16	black	leather	35-41
2505.101-1.16	black	leather	42-48
2505.101.11	blue	leather	35-41
2505.101-1.11	blue	leather	42-48
2505.101.00	white	leather	35-41
2505.101-1.00	white	leather	42-48
2505.101.51	navy	nubuck	35-41
2505.101-1.51	navy	nubuck	42-48

**Men's slipper / sandal DPV-komfort**



Men's slipper / sandal, upper nubuck, adjustable velcro fastener and sturdy PU outsole; exchangeable air cushion cork footbed comfort. DIN EN ISO 20347.



**dpvlink 002** 

Article	Color	Size	Closure	Upper
2505.075-1.57	asphalt	40-46		nubuck
2505.175-1.57	asphalt	40-46	with heel strap	nubuck

**Men's slipper / sandal DPV-komfort**



Men's slipper / sandal, upper nubuck, with sturdy PU outsole and exchangeable air cushion cork footbed. DIN EN ISO 20347.



**dpvlink 163** 

Article	Color	Size	Closure	Upper
2505.065-1.51	navy	40-46		nubuck
2505.166-1.51	navy	40-46	with heel strap	nubuck

**Clogs**

**Women's clog AIR DPV-komfort**



Women's clogs with perforation, foldable heel strap, air cushion cork footbed. DIN EN ISO 20347.



**dpvlink 13047** 

Article	Color	Upper	Size
2505.271.K722	berry	nubuck	36-42
2505.271.K718	pink	nubuck	36-42
2505.271.K719	turquoise	nubuck	36-42
2505.271.K725	stone grey	nubuck	36-42
2505.271.K717	purple	nubuck	36-42
2505.271.K713	apple	nubuck	36-42
2505.271.K56	black	nubuck	36-42
2505.271.K59	marine	nubuck	36-42
2505.271.K716	khaki	nubuck	36-42

**Men's clog AIR DPV-komfort**



Men's clog with perforation, folding heel strap; air cushion cork footbed. DIN EN ISO 20347.



**dpvlink 16854** 

Article	Color	Upper	Size
2505.271-1.K725	stone grey	nubuck	43-48
2505.271-1.K56	black	nubuck	43-48
2505.271-1.51	navy	nubuck	43-48
2505.271-1.K716	khaki	nubuck	43-48

**Clog BASIC DPV-komfort**



Clog Basic with foldable heel strap; air cushion cork footbed. DIN EN ISO 20347.

**.K722**



**.51**



**.K725**



dpvlink 22586



Article	Color	Upper	Size
2505.281.K722	berry	nubuck	36-42
2505.281.51	navy	nubuck	36-42
2505.281.K725	stone grey	nubuck	36-42
2505.281-1.K725	stone grey	nubuck	43-48

**Women's clog COLOR DPV-komfort**



Women's clog with instep strap; air cushion cork footbed; full-grain leather. DIN EN ISO 20347.

**.K717**



**.K56**



**.K59**



dpvlink 7219



Article	Color	Upper	Size
2505.201.K717	purple	nubuck	35-42
2505.201.K56	black	nubuck	35-42
2505.201.K59	marine	nubuck	35-42

**Clog DPV-komfort with perforation**



Women's / Men's clog with perforation; air cushion cork footbed and cowhide upper leather. DIN EN ISO 20347.



dpvlink 055



Article	Color	Upper	Size
2505.211.11	blue	leather	35-41
2505.211-1.11	blue	leather	42-48
2505.211.00	white	leather	35-41
2505.211-1.00	white	leather	42-48
2505.211.51	navy	nubuck	35-41
2505.211-1.51	navy	nubuck	42-48
2505.211.16	black	leather	35-41
2505.211-1.16	black	leather	42-48

**Clog DPV-komfort**



Women's / Men's clog with instep strap; full-grain leather and air cushion cork footbed. DIN EN ISO 20347.



dpvlink 033



Article	Color	Upper	Size
2505.201.11	blue	leather	35-41
2505.201-1.11	blue	leather	42-48
2505.201.00	white	leather	35-41
2505.201-1.00	white	leather	42-48
2505.201.51	navy	nubuck	35-41
2505.201-1.51	navy	nubuck	42-48
2505.201.16	black	leather	35-41
2505.201-1.16	black	leather	42-48

**Clog with heel strap DPV-komfort**



Women's / Men's clog with heel strap; air cushion cork footbed; cowhide upper leather. DIN EN ISO 20347.



dpvlink 068

Article	Color	Upper	Size
2505.251.11	blue	leather	35-41
2505.251-1.11	blue	leather	42-48
2505.251.00	white	leather	35-41
2505.251-1.00	white	leather	42-48
2505.251.51	navy	nubuck	35-41
2505.251-1.51	navy	nubuck	42-48
2505.251.16	black	leather	35-41
2505.251-1.16	black	leather	42-48



**Clog with heel strap DPV-komfort**



Women's / Men's clog with heel strap; perforation; cowhide upper leather; air cushion cork footbed. DIN EN ISO 20347.



dpvlink 079

Article	Color	Upper	Size
2505.261.16	black	leather	35-41
2505.261-1.16	black	leather	42-48
2505.261.00	white	leather	35-41
2505.261-1.00	white	leather	42-48
2505.261.11	blue	leather	35-41
2505.261-1.11	blue	leather	42-48
2505.261.51	navy	nubuck	35-41
2505.261-1.51	navy	nubuck	42-48



# BIRKENSTOCK®

## PROFESSIONAL



For many years BIRKENSTOCK has been synonymous for excellent comfort and extraordinary quality, also in the ESD sector, all over the world. Due to their additional ESD features, the ESD shoes ensure a reliable protection against spontaneous static discharge and are therefore ideal for the use in EPAs. For their manufacturing BIRKENSTOCK uses high-quality materials from Europe: smooth leather or Birko-Flor for the upper, EVA or PU for the outsole. The outsole are highly slip- and abrasion-resistant providing good shock absorption. The unique BIRKENSTOCK footbed Professional is made of a mixture of cork and latex, and, due to its surface structure, it adapts perfectly to the sole of the foot. Thereby it supports the foot offering the wearer best wearing comfort even during long working days.

In compliance with the ESD standard DIN EN 61340-5-1 

Optimale Paßform durch zwei Weiten



- **Latex heel pad:** has shock-absorbing effect when placing the foot
- **Cover made of suede leather:** adapts softly to the sole
- **Footbed core of Alpro® foam:** millions of microscopic air bubbles offer best absorption

 **ESD approved shoes**  
in accordance with EN 61340

 **Steel toe cap**

 **Work shoes OB**  
in accordance with EN ISO 20347

 **Slip resistance SRC**  
in accordance with EN 13287

 **Work shoes O2**  
in accordance with EN ISO 20347

 **Penetration protection metal-free**

 **Safety shoes S3**  
in accordance with EN ISO 20345

 **Exchangeable insole**

# BIRKENSTOCK

Slippers, sandals, clogs

## Bilbao ESD Birko-Flor



Slipper Bilbao ESD; with two buckles and soft footbed; outsole slip-resistant, oil- and grease-resistant, non-marking; footbed made of strongly cushioning Alpro foam, very flexible, elastic heel pad; upper material Birko-Flor [BF]. DIN EN ISO 20347.



dpvlink 17504



Article	Color	Standard width	Size
<b>Bilbao ESD Birko-Flor</b>			
520840	black	normal	39-46
520848	black	slim	36-42

## Kano ESD Birko-Flor



Sandal Kano ESD; with two buckles and soft footbed; outsole slip-resistant oil- and grease-resistant, non-marking; footbed made of strongly cushioning Alpro foam, very flexible, elastic heel pad; upper material Birko-Flor [BF]. DIN EN ISO 20347.



dpvlink 17507



Article	Color	Standard width	Size
<b>Kano ESD Birko-Flor</b>			
500580	black	normal	39-46
500588	black	slim	36-42

## Arizona ESD Birko-Flor



Slipper Arizona ESD, with two buckles; original BIRKENSTOCK footbed with completely conductive bedding; upper material Birko-Flor [BF]. DIN EN ISO 20347.



dpvlink 24885



Article	Color	Standard width	Size
<b>Arizona ESD Birko-Flor</b>			
1021411	rose / flower	slim	35-43
1021400	turquoise / flower	slim	35-43

## Milano ESD Birko-Flor



Sandal Milano ESD, with two buckles and heel strap; original BIRKENSTOCK footbed with completely conductive bedding; upper material Birko-Flor [BF]. DIN EN ISO 20347.



dpvlink 17544



Article	Color	Standard width	Size
<b>Milano ESD Birko-Flor</b>			
634790	black	normal	35-46
634790-1	black	normal	47-48
634798	black	slim	35-46
634798-1	black	slim	47-48

## Arizona ESD Birko-Flor



Slipper Arizona ESD, with two buckles; BIRKENSTOCK footbed with completely conductive bedding, upper material Birko-Flor [BF]. DIN EN ISO 20347.



dpvlink 17527



Article	Color	Standard width	Size
<b>Arizona ESD Birko-Flor</b>			
089430	blue	normal	35-46
089430-1	blue	normal	47-48
089438	blue	slim	35-46
089438-1	blue	slim	47-48
089410	white	normal	36-46
089410-1	white	normal	47-48
089418	white	slim	35-46
089418-1	white	slim	47-48
089420	black	normal	35-46
089420-1	black	normal	47-48
089428	black	slim	35-46
089428-1	black	slim	47-48

### Kay ESD Birko-Flor



Clog ESD, instep strap with buckle, foldable heel strap; BIRKENSTOCK footbed with completely conductive bedding, upper material Birko-Flor [BF]. DIN EN ISO 20347.



**dpvlink 24888** 

Article	Color	Standard width	Size
<b>Kay ESD Birko-Flor</b>			
1020876	turquoise / flower	slim	35-43
1020945	rose / flower	slim	35-43

### Boston ESD leather



Clog Boston ESD, instep strap with buckle; original BIRKENSTOCK footbed with completely conductive bedding; upper material genuine leather, breathable. DIN EN ISO 20347.



**dpvlink 17557** 

Article	Color	Standard width	Size
<b>Boston ESD leather</b>			
061380	blue	normal	39-46
061380-1	blue	normal	47-48
061388	blue	slim	36-42
061370	white	normal	39-46
061370-1	white	normal	47-48
061378	white	slim	36-42
061360	black	normal	39-46
061360-1	black	normal	47-48
061368	black	slim	36-42

### Tokio ESD leather



Clog Tokio ESD, instep strap with buckle; heel strap; original BIRKENSTOCK footbed with completely conductive bedding; upper material genuine leather, breathable. DIN EN ISO 20347.



**dpvlink 17564** 

Article	Color	Standard width	Size
<b>Tokio ESD leather</b>			
061400	black	normal	39-46
061400-1	black	normal	47-48
061408	black	slim	36-42
061390	blue	normal	39-46

**dpvlink 17564**



Article	Color	Standard width	Size
<b>Tokio ESD leather</b>			
061390-1	blue	normal	47-48
061398	blue	slim	36-42
061410	white	normal	39-46
061410-1	white	normal	47-48
061418	white	slim	36-42

### Linz ESD leather



Clog Linz ESD, closed heel area / velcro fastener; original BIRKENSTOCK footbed with completely conductive bedding; upper material leather, breathable. DIN EN ISO 20347.



**dpvlink 17576** 

Article	Color	Standard width	Size
<b>Linz ESD leather</b>			
583160	black	normal	39-46
583168	black	slim	36-42
583150	white	normal	39-46
583158	white	slim	36-42

## Professional and safety footwear

### Sneaker QO / QS 500 ESD



Sneaker QO 500 ESD O2; original BIRKENSTOCK footbed with completely conductive bedding; upper leather; nitrile/caoutchouc outsole, oil- and fuel-resistant, slip-resistant (SRC)

Variant safety shoe QS 500 ESD S3 additionally with steel toe cap; scratch-resistant tip protection; penetration protection (metal-free)



**dpvlink 21174**



Article	Color	Size	Category	Protective toe cap
<b>Sneaker QO / QS 500 ESD</b>				
1011365	black	35-46	O2	none
1011365-1	black	47-48	O2	none
1011366	white	35-46	O2	none
1011366-1	white	47-48	O2	none
1011363	black	35-46	S3	steel
1011363-1	black	47-48	S3	steel
1011364	white	35-46	S3	steel
1011364-1	white	47-48	S3	steel



ABEBA is one of the largest and most modern shoe manufacturers in Europe. The company attaches great importance to superior quality and therefore makes high demands on the used materials and their treatment. Its professional and safety footwear combines optimal protective function, a healthy foot climate and maximal wearing comfort. ABEBA's product range of ESD shoes comprises a variety of different shoe models. All shoes, from the slipper to the safety shoe, have a slip-resistant outsole and offer a reliable ESD protection.

In compliance with the ESD standard DIN EN 61340-5-1



- ESD approved shoes**  
in accordance with EN 61340
- Work shoes OB**  
in accordance with EN ISO 20347
- Work shoes O1**  
in accordance with EN ISO 20347
- Work shoes O2**  
in accordance with EN ISO 20347
- Safety shoes SB**  
in accordance with EN ISO 20345
- Safety shoes S1**  
in accordance with EN ISO 20345
- Safety shoes S1P**  
in accordance with EN ISO 20345
- Safety shoes S2**  
in accordance with EN ISO 20345
- Safety shoes S3**  
in accordance with EN ISO 20345
- Steel toe cap**
- Metal-free toe cap**
- Slip resistance SRA**  
in accordance with EN 13287

- Slip resistance SRB**  
in accordance with EN 13287
- Slip resistance SRC**  
in accordance with EN 13287
- Penetration protection steel**
- Penetration protection metal-free**
- 100% metal-free shoe**
- Washable shoe**
- Exchangeable insole**
- DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191
- Suitable for steam sterilization**  
Autoclavable (up to 135°C)
- Hazard Analysis Critical Control Points**
- Breathable**  
(Breathable lining)
- Raised sole possible**

Slippers, sandals, clogs

Slipper / sandal NATURE



Slipper with two adjustable instep strap with velcro fastener; upper leather; cork footbed; metal-free; no lining; leather-covered; oil and benzine-resistant, acid- and alkali-resistant special rubber outsole, slip-resistant (SRC).



**dpvlink 1003**

Article	Color	Size	Category	Form
<b>Slipper / sandal NATURE</b>				
AB-4085	black	34-48	OB	slipper
AB-4080	white	34-48	OB	slipper
AB-4090	white	34-48	OB	sandal

Slipper / Sandal NATURE



Slipper / sandal with two adjustable instep straps; upper nubuck leather; metal-free, no lining; cork footbed; leather covered; oil- and benzine-resistant, acid- and alkali-resistant outsole of special rubber, slip-resistant (SRC).



**dpvlink 15893**

Article	Color	Size	Category	Form
<b>Slipper / Sandal NATURE</b>				
AB-4086	blue	34-48	OB	slipper
AB-4096	blue	34-48	OB	sandal

Women's slipper Reflexor



Women's slipper; upper and lining leather; hand-sewn seam; extremely light PU outsole, fuel-resistant; fixed Reflexor® footbed, slip-resistant.



Reflexor



**dpvlink 14360**

Article	Color	Size
<b>Women's slipper Reflexor</b>		
AB-31092	black	36-42

**Women's slipper Reflexor**



Women's slipper with three adjustable instep straps with velcro fastener: upper smooth leather and leather lining; hand-sewn seam; extremely light PU outsole, fuel-resistant, slip-resistant (SRC).



**Reflexor**



dpvlink 964



Article	Color	Size	Category
<b>Women's slipper Reflexor</b>			
AB-36912	black	36-42	OB
AB-36902	white	36-42	OB

**Clog with heel strap x-light**



Clog with adjustable and foldable heel strap. Elastic band over instep; upper smooth leather; lining with silver ions: sanitized treated; oil- and benzene-resistant PU outsole, slip-resistant (SRC).



**x-light**



dpvlink 22608



Article	Color	Size	Category
<b>Clog with heel strap x-light</b>			
AB-7131141	white	35-48	OB
AB-7131142	black	35-48	OB

**Clog with heel strap DYNAMIC**



Clog with fixed heel strap; upper knitted textile; water-repellent; breathable lining; oil- and fuel-resistant TPU outsole, slip-resistant (SRC).

**DYNAMIC**



dpvlink 22850



Article	Color	Size	Category
<b>Clog with heel strap DYNAMIC</b>			
AB-37326	light blue / white	35-48	OB
AB-37328	anthracite / white	35-48	OB
AB-37329	white	35-48	OB

**Clog with heel strap DYNAMIC**



Clog with adjustable, foldable heel strap: upper material smooth leather; moisture-absorbing lining; functional joint stabilizer; oil- and benzene-resistant outsole, ABEBA special profile, slip-resistant (SRC).



**DYNAMIC**



dpvlink 16640



Article	Color	Size	Category
<b>Clog with heel strap DYNAMIC</b>			
AB-37310	white	35-48	OB
AB-37312	white / blue	35-48	OB
AB-37313	white / red	35-48	OB
AB-37315	black / brown	35-48	OB

**Clog with heel strap DYNAMIC**



Clog with cushioning in the instep; adjustable fixed heel strap; upper material A-micro (microfiber); HACCP compatible; moisture-absorbent lining; functional joint stabilizer; oil- and benzene-resistant outsole, ABEBA special profile, slip-resistant (SRC).

**DYNAMIC**



dpvlink 16629



Article	Color	Size	Category
<b>Clog with heel strap DYNAMIC</b>			
AB-37331	black / blue	35-48	OB
AB-37332	black / red	35-48	OB
AB-37335	white / black	35-48	OB

**Clog with heel strap DYNAMIC**



Clog with cushioning in the instep; adjustable fixed heel strap; upper material A-micro (microfiber); **breathable textile insert**; moisture-absorbing lining; functional joint stabilizer; oil- and benzine-resistant outsole, ABEBA special profile, slip-resistant (SRC).

**DYNAMIC**



dpvlink 16635

Article	Color	Size	Category
<b>Clog with heel strap DYNAMIC</b>			
AB-37341	black / blue	35-48	OB
AB-37345	white / black	35-48	OB
AB-37343	black / yellow	35-48	OB

**Clog with heel strap DYNAMIC**



Clog with adjustable, fixed heel strap; upper material A-micro (microfiber); HACCP compatible, moisture-absorbing lining; functional joint stabilizer; oil- and benzine-resistant outsole, ABEBA special profile, slip-resistant (SRC).

**DYNAMIC**



dpvlink 16647

Article	Color	Size	Category
<b>Clog with heel strap DYNAMIC</b>			
AB-37361	black	35-48	OB
AB-37360	white	35-48	OB

**Clog with heel strap easy**



Clog with adjustable fixed heel strap; upper material smooth leather; perforated; oil- and benzine-resistant outsole, ABEBA special profile, slip-resistant (SRC).

**easy**



dpvlink 16655

Article	Color	Size	Category
<b>Clog with heel strap easy</b>			
AB-37630	white	35-48	OB
AB-37631	black	35-48	OB

**Clog with heel strap the ORIGINAL**



Clog with top layer microfiber; adjustable foldable heel strap; upper material A-micro (microfiber); slip-resistant TPU outsole; TPU outsole, slip-resistant (SRC).

**the ORIGINAL**



dpvlink 17413

Article	Color	Size	Category	Upper
<b>Clog with heel strap the ORIGINAL</b>				
AB-37530	black	36-42	OB	microfiber / perforated
AB-37520	white	36-42	OB	microfiber / perforated
AB-37531	black	36-42	OB	microfiber
AB-37521	white	36-42	OB	microfiber

**Clog with heel strap rubber**



Clog with adjustable and foldable heel strap. Upper smooth leather; perforated; top layer leather; oil- and benzine-resistant, acid- and alkali-resistant rubber outsole, slip-resistant (SRC).

**rubber**



dpvlink 137

Article	Color	Size	Category
<b>Clog with heel strap rubber</b>			
AB-5310	black	36-47	OB
AB-5300	white	36-47	OB

**Clog with heel strap Arrow**



Clog with top layer microfiber; adjustable foldable heel strap; upper material A-micro (microfiber), perforated; wear-resistant PU outsole, slip-resistant (SRA).

**Arrow**



dpvlink 17419

Article	Color	Size	Category
<b>Clog with heel strap Arrow</b>			
AB-38330	black	36-47	OB

**Clog with heel strap Arrow**



Clog with fixed heel strap with velcro fastener. Upper smooth leather, perforated; elastic band over instep; lining leather; shock-absorbing PU midsole; abrasion-resistant, oil- and benzine-resistant PU compact outsole, slip-resistant (SRC).



**Arrow**



dpvlink 161

Article	Color	Size	Category
<b>Clog with heel strap Arrow</b>			
AB-38600	white	36-47	OB
AB-38602	white	48-51	OB



**Clog with heel strap Arrow**



Clog with adjustable and foldable heel strap. Upper smooth leather; lining leather; top layer leather; shock-absorbing PU midsole; abrasion-resistant, oil- and benzine-resistant PU outsole, slip-resistant (SRA).



**Arrow**



dpvlink 976

Article	Color	Size	Category	Upper
<b>Clog with heel strap Arrow</b>				
AB-38200	white	36-47	OB	leather
AB-38202	white	48-51	OB	leather
AB-38210	black	36-47	OB	leather
AB-38212	black	48-51	OB	leather
AB-35600	white	36-47	OB	leather / perforated



**Women's clog with heel strap Reflexor**



Women's clog with adjustable and foldable heel strap, elastic band over instep; upper smooth leather, lining microfiber; hand-sewn seam; extremely light PU outsole, fuel-resistant, slip-resistant (SRC):



**Reflexor**



dpvlink 967

Article	Color	Size	Category
<b>Women's clog with heel strap Reflexor</b>			
AB-36903	white	36-42	OB



**Clog with heel strap NATURE**



Clog with fixed heel strap with adjustable instep strap; upper leather; no lining; cork footbed, leather-covered; oil- and benzine-resistant, acid- and alkali-resistant special rubber outsole, slip-resistant (SRC).



**NATURE**



dpvlink 983

Article	Color	Upper	Size
<b>Clog with heel strap NATURE</b>			
AB-4055	black	leather	34-48
AB-4040	white	leather	34-48
AB-4045	marine	leather / perforated	34-48
AB-4050	white	leather / perforated	34-48



**Women's shoes XXL width**

**Women's sandal XXL**



Women's sandal with adjustable heel strap; elastic band over instep; upper smooth leather, lining microfiber; hand-sewn seam; extremely light PU outsole, fuel-resistant, slip-resistant (SRB).



**Reflexor**



dpvlink 14417

Article	Color	Size	Category	Upper
<b>Women's sandal XXL</b>				
AB-36872	black	36-43	OB	nubuck
AB-36874	white	36-43	OB	leather



**Women's clog XXL**



Women's clog with adjustable and foldable heel strap; elastic band over instep; upper smooth leather, lining microfiber; hand-sewn seam; extremely light PU outsole, fuel-resistant, slip-resistant (SRB).



**Reflexor**



dpvlink 14420

Article	Color	Size	Category
<b>Women's clog XXL</b>			
AB-36813	black	36-43	OB



Professional and safety footwear

Loafer



Loafer with upper material A-micro (microfiber); lining with silver ions; elastic in the instep; HACCP-compliant; washable at 30°C, Soft-PU midsole; oil- and fuel-resistant TPU outsole with flex zones, slip-resistant (SRC).



dpvlink 18469

Article	Color	Size	Category
<b>Loafer</b>			
AB-36741	black	35-48	02
AB-36740	white	35-48	02



Safety shoe



Lace-up shoe. Upper textile (breathable); lining with silver ions (moisture-absorbing); puncture-resistant midsole (metal-free); oil- and fuel-resistant TPU outsole with flex zones, slip-resistant (SRC).



dpvlink 21249

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe</b>				
AB-36728	black	35-48	02	none
AB-36729	white	35-48	02	none
AB-31628	black	35-48	S3	steel
AB-31629	white	35-48	S3	steel



Safety shoe



Lace-up shoe. Upper material smooth leather/suede; breathable textile inserts; reflector stripes; lining with silver ions; cushioned shaft edge and counter; functional joint stabilizer; Soft-PU midsole; oil- and fuel-resistant TPU outsole with flex zones, slip-resistant (SRC).



dpvlink 16704

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe</b>				
AB-36721	black	35-48	01	none
AB-31721	black	35-48	S1	steel



Safety shoe



Lace-up shoe. Upper knitted textile (breathable); lining with silver ions (moisture-absorbing); protective coating in toe area; midsole Soft-PU; oil- and fuel-resistant TPU outsole with flex zones, slip-resistant (SRC).

Variant safety shoe S2 and S3 additionally with steel toe cap



dpvlink 21251

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe</b>				
AB-36774	orange	35-48	02	none
AB-36772	white	35-48	02	none
AB-36773	blue	35-48	02	none
AB-36775	anthracite	35-48	02	none
AB-36776	black	35-48	02	none
AB-31772	white	35-48	S2	steel
AB-31773	blue	35-48	S2	steel
AB-31775	anthracite	35-48	S2	steel
AB-31676	black	35-48	S3	steel



Safety shoe



Safety shoe with lacing. Upper material functional leather with honeycomb design (water-repellent and scratch-resistant); lining with silver ions (moisture-absorbing); dimensionally stable, cushioned shaft edge and counter; PU midsole; oil- and fuel-resistant TPU outsole with flex zones, slip-resistant (SRC).

Variant safety shoe S1 and S2 additionally with steel toe cap



dpvlink 16713

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe</b>				
AB-36760	white	35-48	01	none
AB-36761	black	35-48	02	none
AB-31760	white	35-48	S1	steel
AB-31761	black	35-48	S2	steel



### Safety sandal



Sandal with velcro fastener; microfiber; moisture-absorbing and breathable microfiber lining; Soft-PU midsole; oil- and fuel-resistant TPU outsole with flex zones, slip-resistant (SRC).

Variant safety shoe S1 additionally with steel toe cap



**uni6**



dpvlink 18472

Article	Color	Size	Category	Protective toe cap
<b>Safety sandal</b>				
AB-31795	white	35-48	S1	steel



### Low shoe air cushion



Lace-up shoe. Upper smooth leather, lining leather; extremely light, oil- and benzene-resistant PU air cushion outsole; slip-resistant (SRA).



**cushion**



dpvlink 1026

Article	Color	Size	Category
<b>Low shoe air cushion</b>			
AB-32600	white	35-47	02
AB-32610	black	39-47	02



### Loafer air cushion



Loafer; upper smooth leather, perforated; extremely light, oil- and benzene-resistant PU air cushion outsole, slip-resistant (SRA).



**air cushion**



dpvlink 1034

Article	Color	Size	Category
<b>Loafer air cushion</b>			
AB-32310	black	39-47	01
AB-32300	white	35-47	01



### Loafer dynamic flow



Loafer. Upper knitted textile (breathable); closure with double rubber band, elastic entry; oil- and fuel-resistant TPU outsole, slip-resistant (SRC).



**DYNAMIC flow**



dpvlink 24572

Article	Color	Size	Category	Protective toe cap
<b>Loafer dynamic flow</b>				
AB-37374	red / white	35-48	01	none
AB-37375	anthracite / white	35-48	01	none
AB-37376	black / light blue	35-48	01	none



### Clog Classic



Safety clog with adjustable instep and fixed heel strap; Upper and top layer leather, lining grained leather; steel toe cap; extremely light, shock-absorbing, oil- and benzene-resistant mono PU outsole, slip-resistant (SRC).



**Classic**



dpvlink 322

Article	Color	Size	Category	Protective toe cap
<b>Clog Classic</b>				
AB-31000	white	36-46	SB	steel
AB-31010	black	36-46	SB	steel



**Clog Classic**



Safety clog with adjustable instep and fixed heel strap; upper A-micro, steel toe cap; extremely light, shock-absorbing, oil- and benzene-resistant mono PU outsole, slip-resistant (SRC).



Classic



dpvlink 15929

Article	Color	Size	Category	Protective toe cap
<b>Clog Classic</b>				
AB-31011	black	36-46	SB	steel
AB-31001	white	36-46	SB	steel



**Clog x-light**



Safety clog with adjustable and foldable heel strap. Elastic band over instep; upper smooth leather; lining with silver ions; steel toe cap; extremely light, shock-absorbing, oil- and benzene-resistant PU outsole, slip-resistant (SRC).



x-light



dpvlink 22620

Article	Color	Size	Category	Protective toe cap
<b>Clog x-light</b>				
AB-7131042	black	35-48	SB	steel
AB-7131041	white	35-48	SB	steel



**Clog x-light**



Safety clog with velcro fastener. Upper smooth leather; lining with silver ions; steel toe cap; extremely light, shock-absorbing, oil- and benzene-resistant PU outsole, slip-resistant (SRC).



x-light



dpvlink 22623

Article	Color	Size	Category	Protective toe cap
<b>Clog x-light</b>				
AB-7131035	black	35-48	SB	steel
AB-7131030	white	35-48	SB	steel



**Sandal x-light**



Sandal with breathable air-mesh textile inserts. Double velcro fastener; upper smooth leather; lining with silver ions; extremely light, oil- and benzene-resistant PU outsole, slip-resistant (SRC).

Variant safety shoe S1 additionally with steel toe cap



x-light



dpvlink 22626

Article	Color	Size	Category	Protective toe cap
<b>Sandal x-light</b>				
AB-7131136	black	35-48	01	none
AB-7131131	white	35-48	01	none
AB-7131036	black	35-48	S1	steel
AB-7131031	white	35-48	S1	steel



**Loafer x-light**



Loafer, instep area with elastic band: upper microfiber, breathable, lining with silver ions; extremely lightweight oil- and fuel-resistant PU outsole, shock-absorbing, slip-resistant (SRC).



x-light



dpvlink 22730

Article	Color	Size	Category
<b>Loafer x-light</b>			
AB-7131128	white	35-48	02



**Loafer x-light**



Safety loafer with elastic over instep. Upper smooth leather; lining with silver ions; extremely light, oil- and benzene-resistant PU outsole, slip-resistant (SRC).

Variant safety shoe S2 additionally with steel toe cap



x-light



dpvlink 22629

Article	Color	Size	Category	Protective toe cap
<b>Loafer x-light</b>				
AB-7131137	black	35-48	02	none
AB-7131132	white	35-48	02	none
AB-7131037	black	35-48	S2	steel
AB-7131032	white	35-48	S2	steel



### Safety loafer x-light



Safety loafer, instep area with elastic band: upper microfiber, breathable, lining with silver ions; steel toe cap; extremely lightweight oil- and fuel-resistant PU outsole, slip-resistant, shock-absorbing. EN ISO 20345:2012, S2, SRC



**dpvlink 22740**

Article	Color	Size	Category	Protective toe cap
<b>Safety loafer x-light</b>				
AB-7131028	white	35-48	S2	steel
AB-7131029	black	35-48	S2	steel

### Safety shoe x-light



Lace-up shoe with breathable air mesh textile inserts; upper smooth leather, lining with silver ions; extremely light, oil- and benzine-resistant PU outsole, shock-absorbing, slip-resistant (SRC).



**dpvlink 23724**

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe x-light</b>				
AB-7131058	white	35-48	S1	steel

### Low shoe x-light



Lace-up shoe with reflective stripes. Upper smooth leather; lining with silver ions; extremely light, oil- and benzine-resistant PU outsole, slip-resistant (SRC).

Variant safety shoe S2 and S3 additionally with steel toe cap



**dpvlink 22636**

Article	Color	Size	Category	Protective toe cap
<b>Low shoe x-light</b>				
AB-7131133	white	35-48	O2	none
AB-7131138	black	35-48	O2	none
AB-7131033	white	35-48	S2	steel
AB-7131038	black	35-48	S2	steel
AB-7131874	black	35-48	S3	steel

### Low shoe x-light



Lace-up shoe. Upper microfiber, breathable, lining with silver ions; extremely light, oil- and benzine-resistant PU outsole, slip-resistant (SRC).

Variant safety shoe S2 additionally with steel toe cap



**dpvlink 22743**

Article	Color	Size	Category	Protective toe cap
<b>Low shoe x-light</b>				
AB-7131127	black	35-48	O2	none
AB-7131126	white	35-48	O2	none
AB-7131027	black	35-48	S2	steel
AB-7131026	white	35-48	S2	steel

### Lace-up shoe x-light



Lace-up shoe; upper microfiber; breathable lining with silver ions; reflective stripes; PU outsole, slip-resistant (SRC).



**dpvlink 24652**

Article	Color	Size	Category	Protective toe cap
<b>Lace-up shoe x-light</b>				
AB-7131050	black / orange	35-48	S1	steel

### Lace-up shoe x-light



Lace-up shoe; upper microfiber; breathable lining with silver ions; reflective stripes; PU outsole, slip-resistant (SRC).



**dpvlink 25208**

Article	Color	Size	Category	Protective toe cap
<b>Lace-up shoe x-light</b>				
AB-7131860	black / neon yellow	35-48	S3	steel

**Safety shoe x-light**



Safety lace-up shoe with breathable air mesh textile inserts; reflective stripes; upper smooth leather, lining with silver ions; steel toe cap; extremely light, oil- and benzene-resistant PU outsole, shock-absorbing, slip-resistant (SRC).



x-light



dpvlink 23722

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe x-light</b>				
AB-7131056	black / red	35-48	S1	steel



**Safety shoe x-light**



Safety shoe with two velcro fasteners. Overcap with scratch-resistant coating; upper smooth leather; lining with silver ions; steel toe cap; extremely light oil- and fuel-resistant TPU outsole, shock-absorbing, slip-resistant (SRC).



x-light



dpvlink 23736

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe x-light</b>				
AB-7131047	white	35-48	S2	steel



**Clog ANATOM**



Safety clog with adjustable instep, fixed adjustable heel strap. Upper breathable A-micro, washable at 30°C; antibacterial lining with silver ions; steel toe cap; two-layer PU outsole with protection from ankle twisting; flexzone, shock absorption, asymmetric heel and torsion waist made of TPU, slip-resistant (SRC)



anatom



dpvlink 8754

Article	Color	Size	Category	Protective toe cap
<b>Clog ANATOM</b>				
AB-32120	white	36-48	SB	steel
AB-32120-1	white	49-52	SB	steel
AB-32125	black	36-48	SB	steel
AB-32125-1	black	49-52	SB	steel



**Safety sandal ANATOM**



Safety sandal with double velcro fastener; reflector stripes. Upper breathable A-micro, washable at 30°C; moisture-absorbing, antibacterial special lining with silver threads; steel toe cap; two-layer PU outsole with protection from ankle twisting, flexzone, shock absorption, asymmetric heel and torsion waist made of TPU, slip-resistant (SRC).



anatom



dpvlink 13785

Article	Color	Size	Category	Protective toe cap
<b>Safety sandal ANATOM</b>				
AB-2616	white	36-48	S1	steel
AB-2616-1	white	49-50	S1	steel



**Safety sandal ANATOM**



Safety sandal with adjustable instep, reflector stripes. Upper suede/textile; steel toe cap; two-layer PU outsole with protection from ankle twisting, flexzone, shock absorption, asymmetric heel and torsion waist made of TPU, slip-resistant (SRC).



anatom



dpvlink 8766

Article	Color	Size	Category	Protective toe cap
<b>Safety sandal ANATOM</b>				
AB-32189	black	36-48	S1	steel
AB-32189-1	black	49-52	S1	steel



**Safety shoe ANATOM**



Safety lace-up shoe with scratch-resistant coating in the instep. Upper nubuck leather/textile; moisture-absorbing and antibacterial special lining; steel toe cap; two-layer PU outsole with protection from ankle twisting, flexzone, shock absorption, asymmetric heel and torsion waist made of TPU, slip-resistant (SRC).



anatom



dpvlink 8757

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe ANATOM</b>				
AB-32147	black / marine	36-48	S1	steel
AB-32147-1	black / marine	49-50	S1	steel
AB-32247	black / marine	36-48	S1P	steel



**Safety shoe ROAD**



Safety shoe; upper suede; lining technical leather; increased breathability; composite toe cap; cap protection; metal-free penetration protection; antibacterial insole; PU/PU outsole; slip-resistant (SRC).



dpvlink 25433

Article	Color	Size	Category	Protective toe cap	Form
<b>Safety shoe ROAD</b>					
AB-5005847	green	38-48	S1P	composite	sandal
AB-5005848	green	38-48	S3	composite	low shoe
AB-5005849	green	38-48	S3	composite	boot
AB-5015847	black	38-48	S1P	composite	sandal
AB-5015848	black	38-48	S3	composite	low shoe
AB-5015849	black	38-48	S3	composite	boot

**Safety shoe TRAX Automotive**



Safety shoe; upper smooth leather; lining technical leather; increased breathability; composite toe cap; metal-free penetration protection; antibacterial insole; PU/PU outsole; slip-resistant (SRC).



dpvlink 25417

Article	Color	Size	Category	Protective toe cap	Form
<b>Safety shoe TRAX Automotive</b>					
AB-5005840	black	38-48	S1P	composite	sandal
AB-5005841	black	38-48	S3	composite	low shoe
AB-5005842	black	38-48	S3	composite	boot

**Safety shoe TRAX**



Safety shoe; upper suede; lining technical leather; increased breathability; composite toe cap; metal-free penetration protection; antibacterial insole; PU/PU outsole; slip-resistant (SRC).



dpvlink 25421

Article	Color	Size	Category	Protective toe cap	Form
<b>Safety shoe TRAX</b>					
AB-5045840	blue	38-48	S1P	composite	sandal
AB-5045841	blue	38-48	S3	composite	low shoe
AB-5045842	blue	38-48	S3	composite	boot
AB-5025840	grey	38-48	S1P	composite	sandal
AB-5025841	grey	38-48	S3	composite	low shoe
AB-5025842	grey	38-48	S3	composite	boot
AB-5015840	black	38-48	S1P	composite	sandal
AB-5015841	black	38-48	S3	composite	low shoe
AB-5015842	black	38-48	S3	composite	boot

**Manager shoe**



Manager shoe; upper made of calf leather; breathable and moisture-absorbing micro-fiber lining, top layer leather; leather outsole with ESD compatible inserts.



dpvlink 10042

Article	Color	Size
<b>Manager shoe</b>		
AB-3120	black	39-46

Systems against electrostatics

Safety shoe BusinessMen



Safety lace-up shoe. Upper leather; lining microfiber; steel toe cap; oil- and benzine-resistant rubber outsole, slip-resistant (SRA).



**BUSINESS  
MEN**



dpmlink 13801

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe BusinessMen</b>				
AB-33240	black	36-48	S2	steel



Safety shoe BusinessMen



Safety lace-up shoe. Upper leather; lining microfiber; steel toe cap; oil- and benzine-resistant rubber outsole, slip-resistant (SRA).



**BUSINESS  
MEN**



dpmlink 10062

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe BusinessMen</b>				
AB-33230	black	36-48	S2	steel



Men's lace-up shoe BusinessMen



Men's lace-up shoe. Upper cowhide, breathable and moisture-absorbing microfiber lining, leather top layer; abrasion-resistant, oil- and benzine-resistant TPU outsole, slip-resistant (SRA).



**BUSINESS  
MEN**



dpmlink 14374

Article	Color	Size	Category
<b>Men's lace-up shoe BusinessMen</b>			
AB-32450	black	40-47	01



Men's lace-up shoe Reflexor



Men's lace-up shoe. Upper smooth leather, lining microfiber; hand-sewn seam; extremely light PU outsole, slip resistant; fuel-resistant. 01, SRC; EN ISO 20347:2007



**Reflexor**



dpmlink 6720

Article	Color	Size	Category
<b>Men's lace-up shoe Reflexor</b>			
AB-35700	white	40-46	01
AB-35710	black	40-46	01



Special shoes

Special clog



Special clog made of autoclavable, sterilizable special material with foldable heel strap; comfortable fit; **autoclavable at 135° C**, washable at 60° C, suitable for cleanroom; outsole slip-resistant outsole (SRC).



dpmlink 10057

Article	Color	Size	Category
<b>Special clog</b>			
AB-39600	white	35-46	0B
AB-39630	orange	36-46	0B
AB-39620	green	35-46	0B
AB-39610	blue	35-46	0B



Cleanroom loafer



Cleanroom loafer with integrated footbed. Upper A-micro, breathable; elastic band over instep; decontaminable up to 30 times; washable up to 60°C; extremely light, oil- and benzine-resistant PU air cushion outsole, slip-resistant (SRA).



**cushion**



dpmlink 8771

Article	Color	Size	Category
<b>Cleanroom loafer</b>			
AB-32370	white	35-47	01



### Cleanroom boots



Cleanroom boots. Upper microfiber; washable at 30°C (material must be checked, because it can lose its function); oil- and benzine-resistant PU outsole, slip-resistant (SRA).

Minimum order quantity required!



dpvlink 14481

Article	Color	Size	Category
<b>Cleanroom boots</b>			
AB-3620	white	35-47	OB

### Cleanroom shoe with gaiter



Cleanroom shoe with gaiter. Upper leather, perforated; gaiter cleanroom textile as requested; oil- and benzine-resistant PU outsole, slip-resistant (SRA).

Minimum order quantity required !



dpvlink 14483

Article	Color	Size
<b>Cleanroom shoe with gaiter</b>		
AB-1144	white	35-48

### Insoles

#### Insole für models Reflexor®



- air bubble insole
- stimulation of the foot reflexzones
- stimulates blood-circulation
- orthopedic cushioning
- leather-covered
- comfortable
- flat and smooth

dpvlink 16006

Article	Type	Size
<b>Insole für models Reflexor®</b>		
AB-3565	Massage Active	36-42
AB-3566	Massage Active	40-46
AB-3572	Massage Active XXL	36-43
AB-3567	Comfort white	36-42
AB-3569	Comfort white	40-46
AB-3568	Comfort anthracite	36-42
AB-3570	Comfort anthracite	40-46

#### Insole for models StaticControl



- Instant shock absorption
- Even pressure distribution over the whole surface
- Air circulation under the entire foot surface
- Support of the forefoot

dpvlink 16002

Article	Type	Size
<b>Insole for models StaticControl</b>		
AB-3553	acc Wave StaticControl	36-47

#### ESD Active Comfort insole



- ESD Active Comfort insole
- anti-odor activated carbon
- additional support of the metatarsus
- antibacterial
- moisture-release outward
- very lightweight

dpvlink 22746

Article	Type	Size
<b>ESD Active Comfort insole</b>		
AB-351920	for Crawler Aluminium / Steel safety shoes	36-48
AB-352020	for Crawler aluminum safety shoes open	36-48
AB-352710	for Easy professional shoes	35-48
AB-352320	for closed Anatom shoes	36-52
AB-352420	for open Anatom shoes	36-52
AB-352510	for uni6 occupational shoes	35-48
AB-352520	for uni6 safety shoes	35-48
AB-352610	for Dynamic safety shoes	35-48
AB-351710	for open x-light professional shoes	35-48
AB-351610	for closed x-light professional shoes	35-48
AB-351720	for open x-light safety shoes	35-48
AB-351620	for closed x-light safety shoes	35-48

#### ESD Active MedFit insole for Dynamic flow models



dpvlink 24582

Article	Type	Size
<b>ESD Active MedFit insole for Dynamic flow models</b>		
AB-352630	for Dynamic flow professional shoes	35-48



Today, the requirements for safety shoes are very high and manifold. J alas® safety shoes are ideal for the use in EPA zones as they are optimally adapted to the demands in electronics manufacturing. They are comfortable to wear, lightweight and easy to care. Shoes with antistatic properties ensure also a reliable ESD protection. Additionally many J alas® models have a shock-absorbing and breathable insole.

In compliance with the ESD standard DIN EN 61340-5-1 ⚡



**ESD approved shoes**  
in accordance with EN 61340

**Work shoes OB**  
in accordance with EN ISO 20347

**Work shoes O1**  
in accordance with EN ISO 20347

**Work shoes O2**  
in accordance with EN ISO 20347

**Safety shoes S1**  
in accordance with EN ISO 20345

**Safety shoes S1P**  
in accordance with EN ISO 20345

**Safety shoes S2**  
in accordance with EN ISO 20345

**Safety shoes S3**  
in accordance with EN ISO 20345

**Steel toe cap**

**Aluminum toe cap**

**Metal-free toe cap**

**Slip resistance SRA**  
in accordance with EN 13287

**Slip resistance SRB**  
in accordance with EN 13287

**Slip resistance SRC**  
in accordance with EN 13287

**Penetration protection metal-free**

**Overcap**  
Toe wear protection

**Exchangeable insole**

**DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191

**BOA® closure system**  
for an easy fitting of the shoe

**Ergothan**  
(prevents back and foot pain)

**Stabilizer**  
(Protection against twisting one's ankle)

**Water-repellent**

Clogs

Clog with heel strap SARITA



Clog made of comfortable microfiber; fixed, adjustable heel strap; shock-absorbing zone made of Poron® XRD®; oil-resistant EVA/rubber outsole, antistatic. EN ISO 20347 OB SRC



dpvlink 15527

Article	Color	Size	Category
<b>Clog with heel strap SARITA</b>			
JA-2942	black / silver	34-42	OB



Professional and safety footwear

Sandal CARE



Sandale CARE with velcro fastener; adjustable heel and instep straps; shock-absorbing zone made of Poron® XRD®; oil-resistant PU outsole, antistatic. EN ISO 20347 O1 SRC



dpvlink 13497

Article	Color	Size	Category
<b>Sandal CARE</b>			
JA-5042	black	36-47	O1



Low shoe SPOC



Sporty low shoe; upper leather; polyester lining; shock-absorbing zone made of Poron® XRD®; oil-resistant EVA/rubber outsole, antistatic. EN ISO 20347 O2 SRC



dpvlink 21361

Article	Color	Size	Category
<b>Low shoe SPOC</b>			
JA-5342	black	35-48	O2
JA-5352	black	35-48	O2



### Low shoe SPOC

Light low shoe with lace fastener and quick closure BOA®; upper textile; polyester lining; shock-absorbing zone made of Poron® XRD®; EVA/rubber outsole, slip-resistant. EN ISO 20347 01 SRC



dpvlink 26097

Article	Color	Size	Category
<b>Low shoe SPOC</b>			
JA-5392	black	35-48	01
JA-5492	white	35-48	01

### Low shoe SPOC Boa®

Light low shoe with quick closure BOA®; upper textile; polyester lining; shock-absorbing zone made of Poron® XRD®; EVA/rubber outsole, slip-resistant. EN ISO 20347 01 SRC



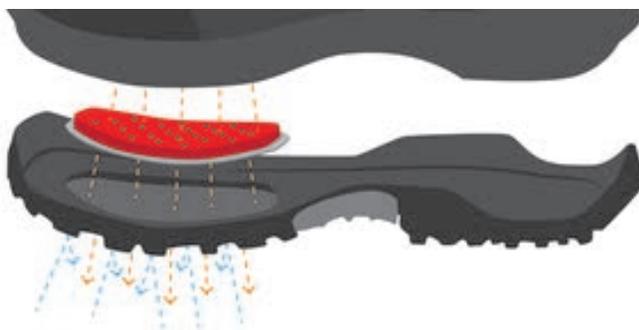
dpvlink 23435

Article	Color	Size	Category
<b>Low shoe SPOC Boa®</b>			
JA-5362	black / orange	35-48	01
JA-5462	white	35-48	01
JA-5382	black	35-48	01

**RESPIRO**

**jalas**

The safety shoes of the J alas **Respiro**® series are equipped with a unique, three-layered IQ TEX® laminate. The especially **breathable upper surface** and **ventilated shock absorption material** in the insole keep your feet dry. The temperature in the shoe is regulated. So there will be no sweat or unpleasant odors.



### Safety sandal 3800R / 3820R RESPIRO

Breathable safety sandal with velcro fastener; ultra-high air permeability, ventilation holes, padded shaft edges; shock-absorbing zone made of Poron® XRD®; oil-resistant TPU outsole, antistatic.

3800R RESPIRO JA-3800R: upper microfiber; EN ISO 20345 S1 SRB  
3820R RESPIRO JA-3820R: upper nubuck/textile; EN ISO 20345 S1 SRB



dpvlink 20142

Article	Color	Size	Category	Closure	Upper
<b>Safety sandal 3800R / 3820R RESPIRO</b>					
JA-3800R	black / blue	36-47	S1	velcro fastener	microfiber
JA-3820R	black / blue	36-47	S1	velcro fastener	nubuck / textile

### Safety sandal 3510R RESPIRO

Sporty safety shoe; upper PU-coated leather/textile; ultra-high air permeability; aluminum toe cap; shock-absorbing zone made of Poron® XRD®; oil-resistant TPU outsole, antistatic. EN ISO 20345 S1 SRB



dpvlink 20148

Article	Color	Size	Category
<b>Safety sandal 3510R RESPIRO</b>			
JA-3510R	white	36-47	S1

### Safety shoe 3700R RESPIRO

Sporty safety shoe; upper PU-coated leather/textile; ultra-high air permeability; aluminum toe cap; shock-absorbing zone made of Poron® XRD®; oil-resistant TPU outsole, antistatic. EN ISO 20345 S2 SRB



dpvlink 20144

Article	Color	Size	Category
<b>Safety shoe 3700R RESPIRO</b>			
JA-3700R	black / blue	36-47	S2



**POWER TO MOVE** ZENIT EVO

**Zenit EVO insole**

Multiple layers for ultimate ergonomics and comfort



1. Textile layer
2. **Neo Foam layer** - protects the entire foot area from impacts
3. **Soft EVA basic layer** - provides structures, stability and comfort
4. **Hard EVA layer** - maintains the shape and functionality of the insole, provides support and stability
5. **PORON® XRD™** - offers unique shock-absorbing properties
6. **Stabilizing element** - improves the stability of the shoe

**Safety shoe ZENIT EVO Boa®**

Safety shoe, textile upper; with Boa® quick-release fastener; seamlessly finished; polyester/polyamide lining; aluminium toe cap; flexible, ultra-thin penetration protection; double shock-absorbing zones made of Poron XRD. EN ISO 20345 S1P SRC



dpvlink 21358

Article	Color	Size	Category	Closure
<b>Safety shoe ZENIT EVO Boa®</b>				
JA-7158	blue / black	35-48	S1P	Boa® / quick-release fastener
JA-7118	grey / black	35-48	S1P	Boa® / quick-release fastener
JA-7108	black / red	35-48	S1P	Boa® / quick-release fastener

**Safety shoe ZENIT EVO**

Safety shoe, textile upper; seamlessly finished; polyester/polyamide lining; aluminium toe cap; double shock-absorbing zones made of Poron XRD. EN ISO 20345 S1 / S1P SRC



dpvlink 21354

Article	Color	Size	Category	Closure
<b>Safety shoe ZENIT EVO</b>				
JA-7128	grey / black	35-48	S1P	lace fastening
JA-7100	black / red	35-48	S1	lace fastening

**Safety shoe 1635 / 1645 / 1655 E-Sport**

Comfortable safety shoe; upper leather/textile; aluminum toe cap; shock absorption zone of Ergothan, oil-resistant PU outsole, antistatic. EN ISO 20345 S1 / S1P SRC



dpvlink 25263

Article	Color	Size	Category	Form
<b>Safety shoe 1635 / 1645 / 1655 E-Sport</b>				
JA-1635	black / blue	36-47	S1	low shoe
JA-1645	black / blue	36-47	S1P	low shoe
JA-1655	black / blue	36-47	S1P	boot

**Safety sandal 1605 E-Sport**

Safety sandal, upper PU-coated leather with velcro fastener; aluminium toe cap; metal-free penetration protection; shock-absorbing, oil-resistant PU outsole; antistatic. EN ISO 20345 S1P SRC



dpvlink 18481

Article	Color	Size	Category
<b>Safety sandal 1605 E-Sport</b>			
JA-1605	black / grey	36-47	S1P

### Safety shoe 1615 E-Sport

ESD safety shoe; upper PU-coated leather; aluminium toe cap; metal-free penetration protection; shock-absorbing, oil-resistant PU outsole; antistatic. EN ISO 20345 S3 SRC



[dpvlink 18482](#)

Article	Color	Size	Category
JA-1615	black / red	36-47	S3

### Safety boot E-Sport

Safety boot, upper PU-coated leather; aluminium toe cap; metal-free penetration protection; shock-absorbing, oil-resistant PU outsole; antistatic. EN ISO 20345 S3 HI CI SRC



[dpvlink 26618](#)

Article	Color	Size	Category
JA-1625	black / red	36-47	S3

### Safety shoe BLACK

Classic safety shoe; upper leather; aluminum toe cap; metal-free penetration protection; shock-absorbing zone made of Poron® XRD®; oil-resistant rubber outsole, antistatic. EN ISO 20345 S3 SRB



[dpvlink 20150](#)

Article	Color	Size	Category
JA-1335	black	36-47	S3

### Safety shoe EXALTER

Sporty safety shoe; aluminum toe cap; double shock absorption zone of Poron XRD. EN ISO 20345 S1P / S3 SRC



[dpvlink 25204](#)

Article	Color	Size	Category	Form
<b>Safety shoe EXALTER</b>				
JA-9915	black / green	34-47	S1P	low shoe
JA-9955	black / red	34-47	S3	low shoe
JA-9975	black / red	34-47	S3	boot

### Safety shoe EXALTER Boa®

Comfortable safety shoe with quick-release fastener BOA®; upper microfiber/textile; polyester lining; aluminum toe cap; metal-free penetration protection; double shock-absorbing zones made of Poron® XRD®; EVA/rubber outsole, slip-resistant. JA-9925 and JA-9945 EN ISO 20345 S1P SRC  
JA-9965 and JA-9985 additionally water-repellent EN ISO 20345 S3 SRC



[dpvlink 23448](#)

Article	Color	Size	Category	Form
<b>Safety shoe EXALTER Boa®</b>				
JA-9965	black / red	34-47	S3	low shoe
JA-9925	black / green	34-47	S1P	low shoe
JA-9985	black / red	34-47	S3	boot
JA-9945	black / green	34-47	S1P	boot

**Safety shoe ZENIT - EASYROLL**



Safety shoe with innovative shock absorption system; BOA closure system; aluminum toe cap; ProNose overcap; shock absorption zones made of Poron XRD and merino wool interlayer; shock-absorbent RPU outsole with stabilizer waist; slip resistant. EN ISO 20345 S1P S3 SRC



**dpvlink 18071**

Article	Color	Size	Category	Form
<b>Safety shoe ZENIT - EASYROLL</b>				
JA-1708	black / red	36-47	S1P	sandal
JA-1738	black / red	36-47	S3	low shoe

**Safety shoe FORTY-FIVE**



Comfortable safety shoe; upper leather; aluminum toe cap; metal-free penetration protection; shock-absorbing zone made of Poron® XRD®; oil-resistant RPU outsole, antistatic. EN ISO 20345 S3 SRC



**dpvlink 17479**

Article	Color	Size	Category	Form
<b>Safety shoe FORTY-FIVE</b>				
JA-3045	black / yellow	36-47	S3	low shoe
JA-3055	black / yellow	36-47	S3	boot

**Safety sandal BIO**



Safety sandal with with velcro fastener; upper microfiber/textile; composite toe cap; metal-free penetration protection; ProNose toe cap wear protection; shock-absorbing zone made of Poron® XRD®; oil-resistant PU outsole, antistatic. EN ISO 20345 S1P SRC



**dpvlink 16087**

Article	Color	Size	Category
<b>Safety sandal BIO</b>			
JA-6418	black	36-47	S1P

**Safety shoe EKO**



Comfortable safety shoe; upper microfiber/textile; composite toe cap; metal-free penetration protection; ProNose toe cap wear protection; shock-absorbing zone made of Poron® XRD®; oil-resistant PU outsole, antistatic. EN ISO 20345 S3 SRC



**dpvlink 13494**

Article	Color	Size	Category
<b>Safety shoe EKO</b>			
JA-6468	black	36-47	S3

**Safety sandal Pro 3100**



Light safety sandal with velcro fastener; upper PU-coated leather; aluminum toe cap; shock-absorbing zone made of Poron® XRD®; oil-resistant TPU outsole, antistatic. EN ISO 20345 S1 SRB



**dpvlink 16283**

Article	Color	Size	Category
<b>Safety sandal Pro 3100</b>			
JA-3100	black / yellow	36-47	S1

**Safety shoe Pro 3110**



Light safety shoe; upper leather/textile; aluminum toe cap; shock-absorbing zone made of Poron® XRD®; oil-resistant rubber outsole, antistatic. EN ISO 20345 S2 SRB



**dpvlink 16278**

Article	Color	Size	Category
<b>Safety shoe Pro 3110</b>			
JA-3110	black / yellow	36-47	S2

### Safety sandal ZENIT 3020

Safety sandal with velcro fastener; padded leg edge of Memory Foam; aluminum toe cap; shock-absorbing zone made of Poron® XRD®; oil-resistant RPU outsole, antistatic. EN ISO 20345 S1 SRC



**dpvlink 14515** 

Article	Color	Size	Category
JA-3020	Safety sandal ZENIT 3020 black / red	36-47	S1

### Safety shoe ZENIT 3030

Safety shoe; upper nubuck/textile; padded leg edge of Memory Foam; aluminum toe cap; shock-absorbing zone made of Poron® XRD®; oil-resistant RPU outsole, antistatic. EN ISO 20345 S2 SRC



**dpvlink 14516** 

Article	Color	Size	Category
JA-3030	Safety shoe ZENIT 3030 black / red	36-47	S2

### Men's shoes VIP

Elegant men's shoe made of leather; shock-absorbing zone made of Poron® XRD®; oil-resistant PU outsole, antistatic. EN ISO 20347 O2 SRA



**dpvlink 10110** 

Article	Color	Size	Category	Form
<b>Men's shoes VIP</b>				
JA-2112	black	39-47	O2	low shoe
JA-2102	black	39-47	O2	loafer
JA-2142	brown	39-47	O2	low shoe

### Insoles

#### FX2 Pro insole ESD

suitable for all J alas shoes and safety shoes



- breathable
- double shock-absorption due to Poron XRD under forefoot and heel
- textile with soft EVA material
- ESD compliant 

**dpvlink 15575** 

Article	Type	Size
JA-8102	FX2 Pro	35-48

#### FX3 Supreme insole ESD

suitable for all J alas low and safety shoes



- very comfortable
- optimized shock absorption
- breathable
- ESD compliant 

**dpvlink 24966** 

Article	Type	Size
JA-8303	FX 3 Supreme	34-47

#### FX2 Supreme ESD

suitable for all J alas low and safety shoes



- breathable
- very comfortable
- double shock-absorption due to Poron XRD under forefoot and heel
- merino midsole
- ESD compliant 

**dpvlink 25715** 

Article	Type	Size
JA-8202	FX 2 Supreme	35-50

#### Anatomic insole ESD

suitable for all J alas low and safety shoes



- double shock absorption zone of Poron® XRD™
- distinct heel cup
- perforated forefoot
- ESD-compliant 

**dpvlink 16947** 

Article	Type	Size	Color
<b>Anatomic insole ESD</b>			
JA-8709H	for high arch	34-50	blue
JA-8710M	for normal arch	34-50	green
JA-8711L	for low arch	34-50	orange



Having an experience of more than 70 years, Sievi is a specialist for safety shoes, also in the ESD sector, and the largest shoe manufacturer in North Europe. Sievi's requirements for its professional and safety footwear are characterized by a very high level of occupational safety, fitting and wearing comfort. A continuous development of high-quality work shoes, the application of the latest technology and the use of the best materials and properties are also part of Sievi's philosophy.

In compliance with the ESD standard DIN EN 61340-5-1



**ESD approved shoes**  
in accordance with EN 61340

**Work shoes OB**  
in accordance with EN ISO 20347

**Work shoes O1**  
in accordance with EN ISO 20347

**Work shoes O2**  
in accordance with EN ISO 20347

**Safety shoes SB**  
in accordance with EN ISO 20345

**Safety shoes S1**  
in accordance with EN ISO 20345

**Safety shoes S1P**  
in accordance with EN ISO 20345

**Safety shoes S2**  
in accordance with EN ISO 20345

**Safety shoes S3**  
in accordance with EN ISO 20345

**Steel toe cap**

**Aluminum toe cap**

**Metal-free toe cap**

**Slip resistance SRC**  
in accordance with EN 13287

**Penetration protection steel**

**Penetration protection metal-free**

**100% metal-free shoe**

**Exchangeable insole**

**DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191

**BOA® closure system**  
for an easy fitting of the shoe

**Water-repellent**

**XL last**

**DUAL insole**

**Adapts to the foot, cushions and protects the joint**

**DryStep insoles**  
(allow moisture to escape)

**3D-dry lining**  
(wicks moisture away from the foot)

**Microfiber sole material**  
(excellent shock absorption and elasticity event at freeze)

**SieviBalance**  
(safer step and more impact resistance)

**Flexible heel element**  
in the sole for maximal shock absorption and excellent comfort with every step, made of TPU Infinergy®

Slippers, sandals, clogs

Sandal Ion Black 2



Comfortable sandal with velcro fastener; upper nubuck; 3D-dry® lining; machine washable (at 40°C) insole; shock-absorbing FlexStep® PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20347 OB A E FO



dpvlink 21148

Article	Color	Size	Category
<b>Sandal Ion Black 2</b>			
SI-12156	black	36-42	OB



Slipper Art 2 / Rom 2



Comfortable slipper with velcro fastener, partly with adjustable heel strap, upper nubuck; 3D-dry® lining; machine washable (at 40°C) insole; shock-absorbing FlexStep® PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20347 OB A E FO



dpvlink 21150

Article	Color	Size	Category	Form	Closure
<b>Slipper Art 2 / Rom 2</b>					
SI-12146	black	39-47	OB	slipper	velcro fastener
SI-12157	black	39-47	OB	sandal	velcro fastener



Sandal Active



Comfortable sandal with heel and instep straps adjustable by velcro fastener; upper microfiber (washable); 3D-dry® lining; shock-absorbing FlexStep®-PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20347 OB SRC A E FO



dpvlink 21156

Article	Color	Size	Category
<b>Sandal Active</b>			
SI-12225	black	35-47	OB



### Clog File



Clog File black of resistant PU leather; Clog File White upper of microfiber withstanding frequent washing; adjustable heel strap with elastic, higher heel; exchangeable Sievi comfort insole; shock-absorbing FlexStep® PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20347:OB SRC A E FO



dpvlink 17183

Article	Color	Size	Category
<b>Clog File</b>			
SI-12327M	black	35-47	OB
SI-12327W	white	35-47	OB



### Clog Monica 2



Clog with adjustable heel strap; upper PU-coated, breathable leather; 3D-dry® lining; PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20347 OB SRC A E FO



dpvlink 25970

Article	Color	Size	Category	Form
<b>Clog Monica 2</b>				
SI-12203	black	35-43	OB	clog



## Professional and safety footwear

### Safety clog Riff



Stylish safety clog with heel strap, upper PU-coated leather or microfiber; steel toe cap; shock-absorbing FlexStep® PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20345 SB SRC A E FO



dpvlink 15470

Article	Color	Size	Upper	Category
<b>Safety clog Riff</b>				
SI-52933M	black	35-48	leather	SB
SI-52933W	white	35-47	microfiber	SB



### Low shoe Ballerina 2



Low show with velcro fastener; upper grain leather; 3D-dry® lining; PU outsole; counter of leather fiber; oil- and chemical-resistant, antistatic. EN ISO 20347 01 SRC FO



dpvlink 25974

Article	Color	Size	Category	Form
<b>Low shoe Ballerina 2</b>				
SI-12202	black	35-43	01	sandal



### Men's loafer Key



Men's loafer, upper grain leather; shock-absorbing FlexStep® PU outsole, oil- and chemical-resistant, antistatic; EN ISO 20347 02 SRC FO



dpvlink 17208

Article	Color	Size	Category
<b>Men's loafer Key</b>			
SI-12109	black	39-48	02



### Men's lace-up shoe Street



Stylish men's lace-up shoe with colorful applications, upper grained leather; shock-absorbing FlexStep outsole; very comfortable to wear due Comfort insole oil- and chemical-resistant, antistatic; EN ISO 20347 02 SRC FO



dpvlink 19492

Article	Color	Size	Category
<b>Men's lace-up shoe Street</b>			
SI-12194	black / brown	39-48	02



Men's shoe Mark



Men's shoe, upper grained leather; shock-absorbing FlexStep® PU outsole; oil- and chemical-resistant, antistatic.



dpvlink 15460

Article	Color	Size	Category
<b>Men's shoe Mark</b>			
SI-12010	black	40-48	OB

Low shoe Fly



Sporty low shoe with breathable textile upper; 3D-dry lining; elastic FlexEnergy element; shock-absorbing FlexStep®-PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20347 O2 SRC FO



dpvlink 22442

Article	Color	Size	Category	Closure
<b>Low shoe Fly</b>				
SI-12192	black / white	35-47	O2	lace fastening
SI-12190	blue	35-47	O2	Boa® / quick-release fastener
SI-12196	black	35-47	O2	lace fastening

Safety shoe Planar Red / 1 / 3



Safety shoes of the new generation, steel toe cap and penetration protection; very robust outsole for a good grip even on slippery surfaces, 3D-dry lining; oil- and chemical-resistant, water-repellent. EN ISO 20345 S3 SRC



dpvlink 19430

Article	Color	Size	Category	Form
<b>Safety shoe Planar Red / 1 / 3</b>				
SI-52175R	red	35-42	S3	low shoe
SI-52173	black / white	35-48	S3	low shoe
SI-52135	black / white	35-48	S3	boot

Safety shoe Terrain



Modern safety shoe; upper nubuck; aluminium toe cap; steel penetration protection; 3D-dry® lining; elastic Sievi FlexEnergy element for maximal shock absorption; one-layer PU outsole with shock-absorbing FlexStep® interlayer, oil- and chemical-resistant, antistatic. EN ISO 20345 S3 SRC



dpvlink 22436

Article	Color	Size	Category	Form
<b>Safety shoe Terrain</b>				
SI-52357	brown	39-47	S3	low shoe

Safety shoe Rival



Sporty safety shoe; upper PU-coated split leather; aluminum toe cap; 3D-dry lining; suitable for orthopedic insoles; shock-absorbing FlexStep® PU outsole, oil- and chemical-resistant, antistatic; EN ISO 20345 S2 SRC



dpvlink 17222

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe Rival</b>				
SI-52190	black / grey	36-47	S2	aluminum

Safety shoe Racer Free Roller



Safety shoe; upper PU-coated leather/textile; breathable network structure; BOA® quick closure; aluminum toe cap; steel penetration protection; 3D-dry lining; elastic FlexEnergy element for maximal shock absorption; double-layer ActionPro outsole with shock-absorbing FlexStep® interlayer, oil- and chemical-resistant, antistatic. EN ISO 20345 S1P SRC



dpvlink 22434

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe Racer Free Roller</b>				
SI-52363	black / orange	34-47	S1P	aluminum

### Safety shoe TR Racer



Sporty safety shoe; upper PU-coated leather/textile; aluminum toe cap; 3D-dry lining; elastic FlexEnergy element for maximal shock absorption; double-layer ActionPro outsole with shock-absorbing FlexStep® interlayer, oil- and chemical-resistant, antistatic. EN ISO 20345 S3 SRC



dpvlink 21043

Article	Color	Size	Category	Closure	Protective toe cap
<b>Safety shoe TR Racer</b>					
SI-52343	black / orange	34-48	S3	Boa®	aluminum
SI-52342	black / orange	35-48	S2	lace fastening	aluminum

### Safety sandal SieviAir Galaxy



Safety sandal with composite toe cap, upper microfiber; shoe tips with brushed PU coated leather; 3D-dry lining; shock-absorbing FlexStep® outsole, oil- and chemical-resistant, antistatic; EN ISO 20345 S1 SRC



dpvlink 19488

Article	Color	Size	Category	Form	Standard width
<b>Safety sandal SieviAir Galaxy</b>					
SI-52520	black / orange	36-38	S1	sandal	11
SI-52520-XL	black / orange	39-47	S1	sandal	12
SI-52704	black / orange	36-38	S1	low shoe	11
SI-52704-XL	black / orange	39-47	S1	low shoe	12

### Safety sandal SieviAir Roller



Safety sandal with BOA® quick-release fastener, plastic toe cap, sole with penetration protection, upper polished split leather; 3D-dry lining; shock-absorbing FlexStep outsole, oil- and chemical-resistant, antistatic; EN ISO 20345: S1 / S1P SRC



dpvlink 20063

Article	Color	Size	Category	Standard width
<b>Safety sandal SieviAir Roller</b>				
SI-52524	black / turquoise	36-38	S1	11
SI-52524-XL	black / turquoise	39-47	S1	12
SI-52523	black / orange	36-38	S1P	11
SI-52523-XL	black / orange	39-47	S1P	12

### Safety shoe SieviAir R1 / R2



Safety shoe, upper microfiber; aluminum toe cap; 3D-dry lining; elastic FlexEnergy element; breathable SieviAir® PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20345:S1 SRC



dpvlink 23310

Article	Color	Size	Category	Form
<b>Safety shoe SieviAir R1 / R2</b>				
SI-52374	black / green	34-48	S1	sandal
SI-52378	black / green	35-48	S1	low shoe

### Safety shoe SieviAir R3 / R5H / R4



Safety shoes, upper microfiber; aluminum toe cap, steel penetration protection; 3D-dry lining; elastic FlexEnergy element; breathable SieviAir® PU outsole, oil- and chemical-resistant, antistatic; EN ISO 20345:S1P S3 SRC



dpvlink 23313

Article	Color	Size	Category	Form
<b>Safety shoe SieviAir R3 / R5H / R4</b>				
SI-52375	black / green	35-48	S3	low shoe
SI-52385	black / green	35-48	S1P	sandal
SI-52371	black / green	35-48	S1P	boot

Safety shoe Viper 1+



Safety shoe, upper split leather; composite toe cap; 3D-dry lining; two-layered PU/TPU outsole with shock-absorbing FlexStep® mid-layer, oil- and chemical-resistant, anti-static; EN ISO 20345:S1 SRC



dpvlink 18497

Article	Color	Size	Category
SI-52124	Safety shoe Viper 1+ black / green	35-47	S1

Safety shoe Viper 2+ / Viper Roller+



Safety shoe, upper split leather; composite toe cap; puncture-resistant sole; 3D-dry lining; two-layered PU/TPU outsole with shock-absorbing FlexStep® mid-layer, oil- and chemical-resistant, antistatic; EN ISO 20345:S3 SRC



dpvlink 18499

Article	Color	Size	Category	Closure
SI-52125	Safety shoe Viper 2+ / Viper Roller+ black / green	35-47	S3	Boa®
SI-52137	black / green	35-47	S3	lace fastening

Safety shoe Cobra 1 Roller+



Safety shoe; upper microfiber; plastic toe cap; steel penetration protection, 3D-dry lining; two-layer PU/RU outsole with FlexEnergy element of TPU Infinergy®, developed by BASF; oil- and chemical-resistant, antistatic. EN ISO 20345 S1P SRC



dpvlink 25968

Article	Color	Size	Category
SI-52305	Safety shoe Cobra 1 Roller+ black / grey	35-48	S1P

Safety shoe Zone 2+



Safety shoe; upper PU-coated leather and microfiber; metal-free; plastic toe cap; composite/textile penetration protection; 3D-dry lining; two-layered PU/TPU outsole with shock-absorbing FlexStep® interlayer, oil- and chemical-resistant, antistatic. EN ISO 20345 S3 SRC



dpvlink 25888

Article	Color	Size	Category
SI-52102	Safety shoe Zone 2+ black	36-47	S3

Safety shoe Roller+



Safety shoe with BOA® quick-release closure system; plastic toe cap, upper PU-coated leather, partly microfiber, 3D-dry lining; steel penetration protection; PU/TPU outsole, Roller XL+ S3 with PU outsole, with shock-absorbing FlexStep® mid-layer, oil- and chemical-resistant, antistatic; EN ISO 20345 S3 SRC



dpvlink 17197

Article	Color	Size	Category	Form	Standard width
<b>Safety shoe Roller+</b>					
SI-52156-113	black / yellow	39-47	S3	low shoe	11
SI-52156-153	black / orange	39-47	S3	low shoe	12
SI-52184	black / pink	35-42	S3	low shoe	11
SI-52157	black / orange	39-47	S3	boot	12
SI-52185	black / yellow	36-42	S3	boot	11

### Safety sandal Relax S1



Classic safety sandal with velcro fastener, closed heel cap; 3D-dry lining; shock-absorbing FlexStep® PU outsole, oil- and chemical-resistant, antistatic. EN ISO 20345: S1 SRC



**dpvlink 14311** 

Article	Color	Size	Category	Standard width
<b>Safety sandal Relax S1</b>				
SI-52236	black	35-39	S1	10.5
SI-52236-XL	black	40-47	S1	12

### Safety shoe Elixir XL / Elixir High XL+



Safety shoe; upper PU-coated leather/split leather; metal-free; closed heel; plastic toe cap; 3D-dry lining; PU outsole with shock-absorbing FlexStep® mid-layer, oil- and chemical-resistant, antistatic; EN ISO 20345:S3 SRC



**dpvlink 20066** 

Article	Color	Size	Category	Form	Standard width
<b>Safety shoe Elixir XL / Elixir High XL+</b>					
SI-52772-XL	anthracite / turquoise	39-47	S3	low shoe	12
SI-52774-XL	anthracite / turquoise	39-47	S3	boot	12

### Insoles

#### DryStep insole



suitable for Sievi sandals Ion Black 2, Art 2, Rom 2

- transfers moisture from the foot down to the lower layer of the insole and keeps your feet dry
- machine washable at 40°C

**dpvlink 15569** 

Article	Type	Size
<b>DryStep insole</b>		
SI-99610	suitable for Sievi sandals Ion Black 2, Art 2, Rom 2	36-47

#### Comfort insoles



suitable for all Sievi shoes with exchangeable insole

- breathable
- machine washable at 40°C

**dpvlink 15566** 

Article	Type	Size
<b>Comfort insoles</b>		
SI-99520	Comfort standard	35-48
SI-99522-XL	Comfort XL	39-50

#### Dual Comfort insole



suitable for all Sievi shoes with exchangeable insole

- shock-absorbing PORON® cushioning in the heel
- soft upper material
- breathable and moisture-absorbing mid-layer
- light, shock-absorbing EVA bottom layer

**dpvlink 15567** 

Article	Type	Size
<b>Dual Comfort insole</b>		
SI-99525	Dual Comfort standard	34-48
SI-99527-XL	Dual Comfort XL	39-50

#### Dual Comfort Plus insole



suitable for all Sievi shoes with exchangeable insole

- Sievi Balance arch support
- shock-absorbing PORON® cushioning in the heel
- soft upper material
- breathable and moisture-absorbing mid-layer
- light and shock-absorbing EVA bottom layer

**dpvlink 15568** 

Article	Type	Size
<b>Dual Comfort Plus insole</b>		
SI-99530	Dual Comfort Plus +Neutral Arch+	35-48
SI-99532-XL	Dual Comfort Plus XL +Neutral Arch+	39-48
SI-99534	Dual Comfort Plus +High Arch+	35-48
SI-99536-XL	Dual Comfort Plus XL +High Arch+	39-48

# LUPOS

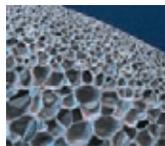
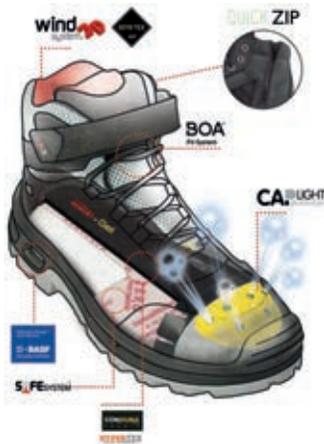
The king is back

## PRODUCTS FOR EVERY NEED

LUPOS® offers a collection of safety shoes classified by the requirements. The characteristics that come together in the shoes are the robustness and the technology of the materials.

Besides the models of pull-up leather and suede, Lupos uses PUTEK PLUS offering lots of advantages. PUTEK PLUS is a highly durable and abrasion-resistant yarn with is directly integrated in the fabric. This yarn ensures the manufacture of ultra-lightweight and very breathable products.

Anti-slip and anti-perforation system; innovative and extremely comfortable sole guarantees a well-being throughout the whole day.



### Lightness and flexibility in a single product.

Infinergy® developed by BASF is the first expanded thermoplastic polyurethane. It returns you positive energy. A concentration of technology that turns the traditional cushioning into a dynamic cushioning.

The resulting energy when the foot hits the ground is stored and is directly returned during the walking process, thus supporting you when walking. Even when exposed to permanent stress it provides excellent long-term strength. In contrast to other conventional foams, Infinergy® remains highly elastic, even at temperature ranges from +40°C to -20°C.

### CA LIGHT aluminium The CapLight technology is used with the production of all LUPOS® work shoes

The perforated safety cap 200J with breathable membrane that is half the weight of a traditional model. Athermic, antimagnetic and corrosion-resistant!

- ESD approved shoes**  
in accordance with EN 61340
- Work shoes 02**  
in accordance with EN ISO 20347
- Safety shoes S1P**  
in accordance with EN ISO 20345
- Safety shoes S3**  
in accordance with EN ISO 20345
- Aluminum toe cap**
- Slip resistance SRC**  
in accordance with EN 13287
- Penetration protection metal-free**
- Vegan shoe**
- Exchangeable insole**
- DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191
- Cushioning system Infinergy®**  
by BASF. Excellent cushioning properties. Permanently gently on the joints

## Safety shoes

### Safety shoe Warner / Nichols / Quimby



Lightweight safety shoe; upper of breathable nylon and abrasion-resistant overcap protection; thin, perforated aluminum toe cap; metal-free penetration protection; Wingtex lining with ventilation channels; PU outsole; oil-, acid and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 26497

Article	Color	Size	Category	Form
<b>Safety shoe Warner / Nichols / Quimby</b>				
LU-20026LV	black / grey	35-48	S3	low shoe
LU-20056LV	black / rose	35-42	S1P	low shoe
LU-20036LV	black / orange	35-48	S1P	low shoe



### Safety shoe Marra / Fibra



Safety shoe; upper soft pull-up leather; with integrated band; thin, perforated aluminum toe cap; metal-free penetration protection; very breathable, absorbent lining; Infinergy® midsole; PU outsole; oil-, acid and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



dpvlink 23342

Article	Color	Size	Category	Form
<b>Safety shoe Marra / Fibra</b>				
LU-20044	black	35-48	S3	low shoe
LU-10044	black	38-48	S3	boot



### Safety sandal Jake



Safety shoe; upper soft pull-up leather or suede; with integrated band; thin, perforated aluminum toe cap; metal-free penetration protection; very breathable, absorbent lining; Infinergy® midsole; PU outsole with a slightly increased heel; oil-, acid and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 23345

Article	Color	Size	Category	Upper
<b>Safety sandal Jake</b>				
LU-30076	black	38-48	S1P	leather



### Safety shoe Park / Bank



Safety shoe; upper suede; with integrated band; thin, perforated aluminum toe cap; metal-free penetration protection; very breathable, absorbent lining; Infinergy® midsole; PU outsole with a slightly increased heel; oil-, acid and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpwlink 23488

Article	Color	Size	Category	Form
<b>Safety shoe Park / Bank</b>				
LU-20056	grey	35-48	S1P	low shoe
LU-10056	grey	35-48	S1P	boot



### Shoe Entics / Entics Pro / Nach



Safety shoe; upper Putek® PLUS; with integrated band; very breathable, absorbent lining; Infinergy® midsole; PU outsole; oil-, acid and fuel-resistant; slip-resistant (SRC).

Variant safety shoe S3 additionally with aluminum toe cap and metal-free penetration protection



dpwlink 23489

Article	Color	Size	Category	Protective toe cap	Form
<b>Shoe Entics / Entics Pro / Nach</b>					
LU-20477	black	38-48	O2	none	low shoe
LU-20174	black	35-48	S3	aluminum	low shoe
LU-10174	black	35-48	S3	aluminum	boot



### Shoe Dex / Dex Pro



Safety shoe; upper very breathable nylon with suede; with integrated band; very breathable, absorbent lining; Infinergy® midsole; PU outsole with a slightly increased heel; oil-, acid and fuel-resistant; slip-resistant (SRC).



dpwlink 23513

Article	Color	Size	Category	Form
<b>Shoe Dex / Dex Pro</b>				
LU-20366	black	38-47	S1P	low shoe



### Safety shoe Emis / Lil



Safety shoe; upper microfiber; with integrated band; thin, perforated aluminum toe cap; metal-free penetration protection; very breathable, absorbent lining; Infinergy® midsole; PU outsole with a slightly increased heel; oil-, acid and fuel-resistant; slip-resistant; antistatic. 100% vegan

Emis LU-20166 EN ISO 20345:2011 S1P SRC  
Lil LU-20374 EN ISO 20345:2011 S3 CI SRC



dpwlink 23516

Article	Color	Size	Category	Form
<b>Safety shoe Emis / Lil</b>				
LU-20166	white / grey	35-47	S1P	low shoe
LU-20374	white / blue	35-47	S3	low shoe



### Shoe Sylvia



Safety shoe; upper Putek® PLUS; with integrated band; very breathable, absorbent lining; Infinergy® midsole; PU outsole with a slightly increased heel; oil-, acid and fuel-resistant; 100% vegan; slip-resistant (SRC).



dpwlink 23519

Article	Color	Size	Category	Protective toe cap
<b>Shoe Sylvia</b>				
LU-20384	black / rose	35-42	S3	aluminum

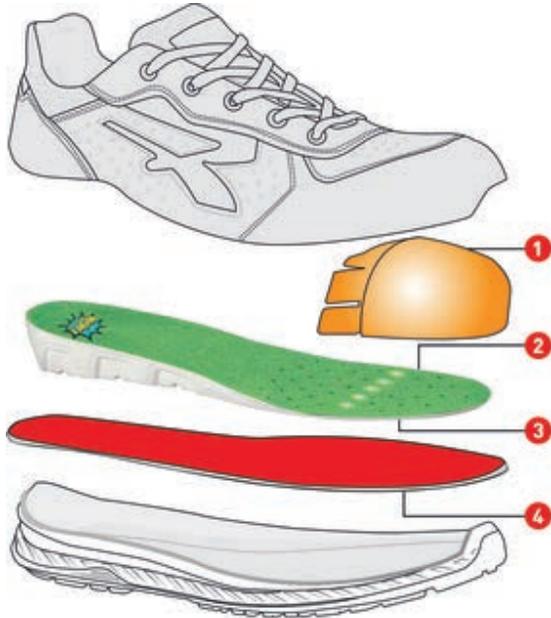


# U-POWER

Don't worry... be happy!

The continuous research and development of U-POWER surprises with an innovative insole. The best technologies are combined providing an experience of absolute comfort for each and every one!

This results in an immediate well-being when wearing the shoe for the very first time which reflects a reduced fatigue during every workday.



1. **AirToe**  
protective toe cap 200J
2. **WOW & BASF**  
Anatomic, soft insole for optimal support and perfect shock absorption combined with an anti-fatigue element and ventilation channels
3. **Seamless**  
New seamless antistatic technology for an increased comfort. No pressure spots and no rubbing on the sole of the foot
4. **Save & FLEX plus**  
"No metal" insole with penetration protection. 100% protection of the foot surface

- ESD approved shoes**  
in accordance with EN 61340
- 100% metal-free shoe**
- Work shoes 01**  
in accordance with EN ISO 20347
- Exchangeable insole**
- Safety shoes S1P**  
in accordance with EN ISO 20345
- DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191
- Safety shoes S3**  
in accordance with EN ISO 20345
- Cushioning system Infinergy®**  
by BASF. Excellent cushioning properties. Permanently gently on the joints
- Aluminum toe cap**
- Toe cap Airtoe Composite**  
200 Joule composite safety toe cap
- Metal-free toe cap**
- Puncture-resistant insole Save&Flex plus**  
Metal-free. 100% protection of foot surface
- Slip resistance SRC**  
in accordance with EN 13287
- Anatomic, soft insole**  
for optimal grip and perfect shock absorption
- Penetration protection metal-free**

## Safety shoes

### Occupational shoe Caeli RED PRO

Occupational shoe; upper of breathable nylon and soft suede; WingTex lining; WOW Gel insole; PU midsole; PU/PU und Infinergy® outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 01 FO SRC



dpvlink 26469

Article	Color	Size	Category	Form
<b>Occupational shoe Caeli RED PRO</b>				
UP-20059	black / pink	35-42	01	low shoe women



### Safety shoe Scott / Adam / Mike / Bradley / Robin / Frank RED LEVE

Ultralight safety shoes; upper of breathable nylon; abrasion-resistant overcap protection; WingTex® lining; perforated aluminum toe cap; outsole made of PU and Infinergy®; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 26489

Article	Color	Size	Category	Form
<b>Safety shoe Scott / Adam / Mike / Bradley / Robin / Frank RED LEVE</b>				
UP-20116RL	black	35-48	S1P	low shoe
UP-20076RL	black / grey	35-48	S1P	low shoe
UP-20066RL	black / green	35-48	S1P	low shoe
UP-20144RL	black / orange	35-48	S1P	low shoe
UP-20096RL	black / green	35-48	S1P	low shoe
UP-20036RL	black	35-48	S1P	low shoe



### Safety shoes Michelle RED LEVE



Light safety shoe; upper of breathable nylon and abrasion-resistant overcap protection; WingTex® lining; outsole made of PU und Infinergy®; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 26487



Article	Color	Size	Category	Form
<b>Safety shoes Michelle RED LEVE</b>				
UP-20086RL	black / rose	35-42	S1P	low shoe women

### Safety shoe Negan / Sniper / Ryder / Gang / Saber 360



Safety shoe; upper suede, breathable nylon elements; perforated aluminum toe cap; metal-free penetration protection; breathable lining; insole with Infinergy® sole core by BASF; PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 25770



Article	Color	Size	Category	Form
<b>Safety shoe Negan / Sniper / Ryder / Gang / Saber 360</b>				
UP-20026	grey / green	35-48	S1P	low shoe
UP-20056	grey / yellow	35-48	S1P	low shoe
UP-20016	grey / orange	35-48	S1P	low shoe
UP-20076	blue / orange	35-48	S1P	low shoe
UP-20046	grey	35-48	S1P	low shoe

### Safety shoes Blaster / Mason 360



Safety shoe; upper suede, perforated aluminum toe cap; metal-free penetration protection; breathable lining; insole with Infinergy® sole core by BASF; PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 25784



Article	Color	Size	Category	Form
<b>Safety shoes Blaster / Mason 360</b>				
UP-20106	blue / black	35-48	S1P	low shoe
UP-10106	blue / black	35-48	S1P	boot

### Safety shoe Kate 360



Safety shoe; upper suede, breathable nylon elements; perforated aluminum toe cap; metal-free penetration protection; breathable lining; insole with Infinergy® sole core by BASF; PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 25778



Article	Color	Size	Category	Form
<b>Safety shoe Kate 360</b>				
UP-20176	grey / rose	35-42	S1P	low shoe

### Safety shoe Aron 360



Safety shoe; upper suede, ultra breathable nylon elements; perforated aluminum toe cap; metal-free penetration protection; breathable lining; insole with Infinergy® sole core by BASF; PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 25782



Article	Color	Size	Category	Form
<b>Safety shoe Aron 360</b>				
UP-20096	grey	35-48	S1P	low shoe

### Safety shoe Specter 360



Safety shoe; upper suede, ultra breathable nylon elements; perforated aluminum toe cap; metal-free penetration protection; breathable lining; insole with Infinergy® sole core by BASF; PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 25780



Article	Color	Size	Category	Form
<b>Safety shoe Specter 360</b>				
UP-20036	grey / green	35-48	S1P	low shoe

**Safety shoes Strong / Kindle / Raptor / Hard / Monster LION**



Safety shoes; upper Putek®, perforated aluminum toe cap; metal-free penetration protection; breathable lining; insole with Infinergy® sole core by BASF; PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 CI SRC



dpvlink 25787

Article	Color	Size	Category	Closure	Form
<b>Safety shoes Strong / Kindle / Raptor / Hard / Monster LION</b>					
UP-20366	black / green	38-48	S3	Boa®	low shoe
UP-20404	black / orange	35-48	S3	lace fastening	low shoe
UP-20376	black / grey	35-48	S3	lace fastening	low shoe
UP-20356	black / green	38-48	S3	lace fastening	low shoe
UP-10356	black / green	38-48	S3	lace fastening	boot

**Safety shoe Cody LION**



Safety shoe; upper of soft, perforated suede; WingTex® lining; WOW insole; PU midsole; outsole made of PU und Infinergy®; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 26503

Article	Color	Size	Category	Form
<b>Safety shoe Cody LION</b>				
UP-30316	black / red	35-48	S1P	low shoe unisex

**Safety shoe Shanghai INDUSTRY**



Safety shoe; upper abrasion-resistant microfiber, breathable nylon elements; perforated composite toe cap; metal-free penetration protection; breathable microfiber lining; insole with anti-fatigue insert; PU midsole; abrasion-resistant PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 24829

Article	Color	Size	Category	Form
<b>Safety shoe Shanghai INDUSTRY</b>				
UP-21226	black / grey	35-48	S1P	low shoe

**Safety shoe Denver / Vortex / Tokyo INDUSTRY**



Safety shoe; upper perforated suede, breathable mesh elements; perforated composite toe cap; metal-free penetration protection; breathable microfiber lining; insole with anti-fatigue insert; PU midsole; abrasion-resistant PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 24821

Article	Color	Size	Category	Form
<b>Safety shoe Denver / Vortex / Tokyo INDUSTRY</b>				
UP-21086	grey / green	35-48	S1P	low shoe unisex
UP-20666	black / yellow	35-47	S1P	low shoe unisex
UP-21076	grey / pink	35-42	S1P	low shoe women

**Safety shoe Marsiglia / Nairobi / Demon INDUSTRY**



Safety shoe; upper perforated suede, breathable nylon elements; perforated composite toe cap; metal-free penetration protection; breathable microfiber lining; insole with anti-fatigue insert; PU midsole; abrasion-resistant PU/PU outsole; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 24825

Article	Color	Size	Category	Form
<b>Safety shoe Marsiglia / Nairobi / Demon INDUSTRY</b>				
UP-21106	black / yellow	35-48	S1P	low shoe
UP-21096	black / orange	35-48	S1P	low shoe
UP-20066	grey / red	38-47	S1P	low shoe

**Maximal protection and comfort combined with environmental awareness**

All models of the series INDUSTRY Green are produced by using renewable raw materials and recycled materials.



Using materials with a low environmental impact and the balance of residual emissions, zero CO2 emissions are achieved.

**SOLE and FOOTBED:**

- PU by BASF 100% made of renewable resources

**LEG AND PENETRATION PROTECTION:**

- large proportion made of recycled material



**Safety shoe Canyon INDUSTRY Green**



Sustainable safety shoe from CO<sub>2</sub> emission-neutral production; upper soft microfiber, breathable elements; perforated aluminum toe cap; completely metal-free; breathable microfiber lining with high recycling proportion; insole and PU/PU outsole made of completely renewable raw materials; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



**dpwlink 25790**

Article	Color	Size	Category	Form
<b>Safety shoe Canyon INDUSTRY Green</b>				
UP-20346	black / green	35-48	S1P	low shoe

**Safety shoe Island INDUSTRY Green**



Sustainable safety shoe from CO<sub>2</sub> emission-neutral production; upper Putek®, light-weight composite toe cap; completely metal-free; breathable microfiber lining with high recycling proportion; insole and PU/PU outsole made of completely renewable raw materials; oil-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



**dpwlink 25792**

Article	Color	Size	Category	Form
<b>Safety shoe Island INDUSTRY Green</b>				
UP-20334	black / green	35-48	S3	low shoe

**Insoles**

**Insole WOW**



suitable for all U-Power and Lupos shoes with exchangeable insole.



- breathable
- anatomic Elastopan structure by BASF distributes the body weight evenly

**dpwlink 25832**

Article	Type	Size
<b>Insole WOW</b>		
UP-00604	Insole WOW	35-48

**Insole WOW2**



suitable for INDUSTRY shoes and all Lupos shoes with exchangeable insole.



- breathable
- anatomic Elastopan structure by BASF distributes the body weight evenly
- anti-fatigue insert

**dpwlink 25841**

Article	Type	Size
<b>Insole WOW2</b>		
UP-00605	Insole WOW2	35-48

# ELTEN

## Take a walk on the safe side

Elten is nowadays one of the leading safety shoe manufacturers. For Elten the well-being and safety of the wearer is of top priority when producing its safety shoes. The shoes are characterized by a high quality and have a good fitting. To ensure also a high level of wearing comfort and safety, Elten uses innovative technologies with the manufacturing of its safety shoes.

In compliance with the ESD standard DIN EN 61340-5-1



**ESD approved shoes**  
in accordance with EN 61340

**Work shoes OB**  
in accordance with EN ISO 20347

**Work shoes O1**  
in accordance with EN ISO 20347

**Work shoes O2**  
in accordance with EN ISO 20347

**Safety shoes S1**  
in accordance with EN ISO 20345

**Safety shoes S1P**  
in accordance with EN ISO 20345

**Safety shoes S2**  
in accordance with EN ISO 20345

**Safety shoes S3**  
in accordance with EN ISO 20345

**Steel toe cap**

**Aluminum toe cap**

**Metal-free toe cap**

**Slip resistance SRA**  
in accordance with EN 13287

**Slip resistance SRB**  
in accordance with EN 13287

**Slip resistance SRC**  
in accordance with EN 13287

**Penetration protection metal-free**

**100% metal-free shoe**

**Vegan shoe**

**Exchangeable insole**

**DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191

**Cushioning system Infinergy®**  
by BASF. Excellent cushioning properties. Permanently gently on the joints

**BOA® closure system**  
for an easy fitting of the shoe

**GORE-TEX® Membrane**  
Waterproof and breathable lining material

**Reflective materials**  
increase safety in the twilight and the dark

### Clogs

#### Occupational clog MICHEL / MIA



Clog; upper microfiber; heel strap for an individual adaption to the foot; instep area adjustable with velcro fastener; breathable textile lining; metal- and leather-free equipment; MONO-PU outsole C-FIT, oil- and chemical-resistant; slip-resistant. EN ISO 20347 O2 SRC



dpvlink 22543



Article	Color	Size	
<b>Occupational clog MICHEL / MIA</b>			
EL-972430	black	40-48	men
EL-972440	white	40-48	men
EL-974430	black	35-42	women
EL-974440	white	35-42	women

### Professional and safety footwear

#### Sneaker MAROON



Sporty sneaker; upper cowhide; leather lining; padded flap; steel toe cap; TPU/PU outsole L10, oil- and chemical-resistant; slip-resistant SRC



dpvlink 22564



Article	Color	Size	Category	Protective toe cap
<b>Sneaker MAROON</b>				
EL-72110	brown	37-47	S2	steel

#### Safety shoe BREEZER



Safety shoe: nubuck; neon-yellow reflective material, padded flap; steel toe cap; breathable textile lining; TPU/PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S1P SRC



dpvlink 19066



Article	Color	Size	Category	Form
<b>Safety shoe BREEZER</b>				
EL-72109	grey / yellow	37-47	S1	sneaker

**Safety shoe SENSATION**



Safety shoe; hydrophobized textile in jeans optics and hydrophobized nubuck, padded flap; steel toe cap; textile lining Bioactive; TPU/PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S2 SRC



dpvlink 19058

Article	Color	Size	Category	Form
<b>Safety shoe SENSATION</b>				
EL-72106	black	37-47	S2	sneaker
EL-74106	black	35-42	S2	sneaker women
EL-76106	black	37-47	S2	boot



**Safety shoe VINTAGE**



Safety shoe: cowhide waxy in vintage design, padded flap; steel toe cap; textile lining Bioactive; non-metallic penetration protection; TPU/PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S3 SRC



dpvlink 19064

Article	Color	Size	Category	Form
<b>Safety shoe VINTAGE</b>				
EL-74101	grey	35-42	S3	sneaker
EL-721071	grey	37-48	S3	sneaker
EL-74201	grey	35-42	S3	boot



**Safety shoe JOURNEY**



Safety shoe, padded flap; steel toe cap; partially metal-free penetration protection; breathable textile lining; TPU/PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 SRC



dpvlink 21132

Article	Color	Size	Category
<b>Safety shoe JOURNEY</b>			
EL-729621	black / blue	40-48	S1P
EL-729630	grey	40-48	S1



**Low shoe MARAIS**



Sporty professional shoe; upper mesh; padded flap; breathable textile lining; full-length ESD insole; rubber/TPU/EVA outsole TRANSFOAMERS, oil- and chemical resistant, antistatic; slip-resistant.



dpvlink 25985

Article	Color	Size	Category	Upper
<b>Low shoe MARAIS</b>				
EL-972020	black / blue	36-48	O1	mesh
EL-972010	black / red	36-48	O1	mesh
EL-972070	blue	36-48	O1	mesh
EL-972060	red	36-48	O1	mesh
EL-972080	black	36-48	O1	mesh



**Safety shoe LIVAS**



Sporty safety shoe; upper mesh; padded flap; plastic toe cap; breathable textile lining; full-length ESD insole; rubber/TPU/EVA outsole TRANSFOAMERS, oil- and chemical resistant, antistatic; slip-resistant.



dpvlink 25991

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe LIVAS</b>				
EL-720831	black / red	36-48	S1P	plastic
EL-720821	black / blue	36-48	S1P	plastic



**Safety shoe MAVERICK / LAKERS**



Safety shoe; upper microfiber with mesh element; padded flap; leather-free equipment; plastic toe cap; metal-free penetration protection; breathable textile lining; PU/PU outsole FUN; outsole: oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1P SRC



dpvlink 21447

Article	Color	Size	Category	Protective toe cap
<b>Safety shoe MAVERICK / LAKERS</b>				
EL-723351	blue	38-48	S1P	steel
EL-724451	black	35-49	S1P	plastic



## WELLMAXX ELTEN Wellmaxx - ergonomic outsole

The outsole of the Wellmaxx line is equipped with an Infinergy® sole core of BASF. This core has been used only for sport shoes so far. It is the world's first expanded thermoplastic polyurethane. It is suitable especially for areas with hard floors. By the so-called Rebound effect Infinergy® relieves the wearer who has to expend less strength for walking regaining even energy. The shoe is lighter, but stays permanently durable and keeps its high elasticity even at temperatures of minus 20°C.

### MAXXIMAL EFFECTIVITY

With every step Infinergy® absorbs enormous amounts of energy and keeps your feet healthy.

### MAXXIMAL WELLNESS

Your feet remain fitter with Infinergy® and tire less quickly.

### MAXXIMAL DURABILITY

Infinergy® stays durably elastic and always bounces back into its original shape.

### MAXXIMAL BOUNCE

Infinergy® returns a lot more energy and drive to you than conventional materials.

### MAXXIMAL PROTECTION OF THE JOINTS

The outstanding cushioning characteristics of Infinergy® steadily prevent the joints from damage.

### MAXXIMAL TEMPERATURE RESISTANCE

Infinergy® keeps it full functionality in a wide range from -20 to +40 degrees Celsius.

## Safety shoe MARTEN / MARTY ELTEN

Safety shoe; upper seamless mesh; padded flap; steel toe cap; breathable textile lining; leather-free; TPU/PU outsole WELLMAXX SPORTS with sole core of Infinergy® by BASF for optimal cushioning; slip-resistant, EN ISO 20345 S1P/S3 Model MARTEN Low (EL-728121 and EL-768121) with upper microfiber/mesh Model Marty Low (EL-728181) with upper water-repellent textile Cordura®



	S1P	S3	STEEL	SBA	METAL FREE	DDUV 110-111	Infinergy
<b>dpvlink 24975</b>							
Article	Color	Size	Category	Form	Upper		

Safety shoe MARTEN / MARTY							
EL-728121	blue	35-48	S1P	low shoe	microfiber / mesh	unisex	
EL-728181	black / blue	40-48	S3	low shoe	textile / Cordura®	men	
EL-768121	blue	35-48	S1P	boot	microfiber / textile	unisex	

## Safety shoe LARKIN ELTEN

Sporty safety shoe; upper seamless mesh; padded flap; steel toe cap; breathable textile lining; leather-free; TPU/PU outsole WELLMAXX SPORTS with sole core of Infinergy® by BASF for optimal cushioning; slip-resistant, EN ISO 20345 S1 / S1P



	S1	S1P	STEEL	SBA	SBB	SBC	METAL FREE	DDUV 110-111	Infinergy
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<b>dpvlink 24971</b>							
Article	Color	Size	Category	Upper			
Safety shoe LARKIN							
EL-728111	black / grey	35-48	S1P	mesh			
EL-728101	blue	35-48	S1P	mesh			
EL-728110	black / blue	35-48	S1	mesh			

## Safety shoe LAKERS XXT ELTEN

Sporty and lightweight safety shoe; upper mesh/microfiber; metal- and leather-free; padded flap; breathable textile lining; plastic toe cap; metal-free penetration protection; PU/PU outsole WELLMAXX TRAINERS with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1P SRC



	S1P	METAL FREE	SRC	METAL FREE	100% METAL FREE	DDUV 110-111	Infinergy
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<b>dpvlink 22497</b>							
Article	Color	Size	Category	Form			
Safety shoe LAKERS XXT							
EL-729711	black / red	36-48	S1P	low shoe			
EL-769711	black / red	36-48	S1P	boot			

**Safety shoe IMPULSE XXT**



Comfortable and airy safety shoe; upper microfiber; breathable textile lining; plastic toe cap; PU/PU outsole WELLMAXX TRAINERS with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1 SRC



WELLMAXX



dpvlink 23181

Article	Color	Size	Category	Form
<b>Safety shoe IMPULSE XXT</b>				
EL-719755	black / blue	36-48	S1	sandal
EL-729755	black / blue	36-48	S1	low shoe



**Safety shoe IMPULSE Lady XXTL**



Comfortable and airy safety shoe; upper microfiber; breathable textile lining; steel toe cap; metal-free penetration protection; PU/PU outsole WELLMAXX TRAINERS LADY with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1P SRC



WELLMAXX



dpvlink 25224

Article	Color	Size	Category	Form
<b>Safety shoe IMPULSE Lady XXTL</b>				
EL-742301	black / blue	35-42	S1P	low shoe
EL-741301	black / blue	35-42	S1P	sandal



**Safety shoe SENSATION XXT**



Modern safety shoe; upper hydrophobized textile with jeans look/hydrophobized nubuck; padded flap; breathable textile lining Bioactive; plastic toe cap; PU/PU outsole WELLMAXX TRAINERS with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S2 SRC



WELLMAXX



dpvlink 22500

Article	Color	Size	Category	Form
<b>Safety shoe SENSATION XXT</b>				
EL-729720	jeans	36-48	S2	low shoe
EL-769720	jeans	36-48	S2	boot



**Safety sandal SCOTT XXT**



Comfortable safety sandal; upper mesh/microfiber; padded flap; breathable textile lining; plastic toe cap; metal-free penetration protection; PU/PU outsole WELLMAXX TRAINERS with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1P SRC



WELLMAXX



dpvlink 22503

Article	Color	Size	Category
<b>Safety sandal SCOTT XXT</b>			
EL-719731	black	36-48	S1P



**Safety shoe SENEX XXT**



Comfortable safety shoe; upper: water-repellent microfiber/water-repellent textile CORDURA®; closed and padded flap; breathable textile lining; plastic toe cap; metal-free penetration protection; PU/PU outsole WELLMAXX TRAINERS with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S3 SRC



WELLMAXX



dpvlink 23151

Article	Color	Size	Category	Closure
<b>Safety shoe SENEX XXT</b>				
EL-729731	black / red	36-48	S3	lace fastening
EL-729831	black / red	36-48	S3	Boa®



**Safety shoe BREEZER XX10**



Sporty safety shoe; upper nubuck; padded flap; breathable textile lining; steel toe cap; PU/PU outsole WELLMAXX L10 with sole core of Infinergy® by BASF; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1 SRC



WELLMAXX



dpvlink 23173

Article	Color	Size	Category
<b>Safety shoe BREEZER XX10</b>			
EL-729925	black / red	36-48	S1



**Safety shoe NEWTON black**



Modern safety shoe; upper water-repellent textile/water-repellent nubuck; breathable textile lining; steel toe cap; PU/PU outsole WELLMAXX L10 with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S2 SRC



WELLMAXX



dpvlink 23178

Article	Color	Size	Category	Form
<b>Safety shoe NEWTON black</b>				
EL-729910	black / grey	36-48	S2	low shoe
EL-769910	black / grey	36-48	S2	boot



**Safety shoe NEWTON**



Modern safety shoe; upper water-repellent textile/water-repellent nubuck; breathable textile lining; steel toe cap; PU/PU outsole WELLMAXX L10 with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S2 SRC



WELLMAXX



dpvlink 23175

Article	Color	Size	Category	Form
<b>Safety shoe NEWTON</b>				
EL-729905	blue	36-48	S2	low shoe
EL-769905	blue	36-48	S2	boot



**Safety shoe NED / NOEL**



Sporty safety shoe; padded flap; breathable textile lining; steel toe cap; PU/PU outsole WELLMAXX L10 with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S2 SRC



WELLMAXX



dpvlink 23189

Article	Color	Size	Category	Upper
<b>Safety shoe NED / NOEL</b>				
EL-729915	black	36-48	S2	leather
EL-729920	black / white	36-48	S2	microfiber



**Safety shoe LONNY**



Sporty safety shoe; upper mesh/microfiber; leather-free equipment; padded flap; breathable textile lining; steel toe cap; metal-free penetration protection; TPU/PU outsole MAXXIMO with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 SRC



WELLMAXX



dpvlink 22509

Article	Color	Size	Category	Form
<b>Safety shoe LONNY</b>				
EL-719521	black / red	35-48	S1P	sandal
EL-729521	black / red	35-48	S1P	low shoe
EL-729525	black / blue	35-48	S1	low shoe



**Safety shoe LELAND GTX**



Modern safety shoe; upper water-repellent textile/water-repellent microfiber; padded flap; GORE-TEX® Special Comfort Footwear lining; steel toe cap; metal-free penetration protection; TPU/PU outsole MAXXIMO with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S3 SRC



WELLMAXX



dpvlink 23196

Article	Color	Size	Category	Form
<b>Safety shoe LELAND GTX</b>				
EL-729581	black / grey	40-48	S3	low shoe



**Safety shoe LANCE**



Modern safety shoe; upper textile/microfiber; padded flap; breathable textile lining; steel toe cap; metal-free penetration protection; TPU/PU outsole MAXXIMO with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1P SRC



WELLMAXX



dpvlink 24271

Article	Color	Size	Category	Form
<b>Safety shoe LANCE</b>				
EL-729695	grey	40-48	S1	low shoe
EL-729691	black	40-48	S1P	low shoe



**Safety shoe LANDON**



Stylish safety shoe; upper microfiber/textile; padded flap; breathable textile lining; steel toe cap; metal-free penetration protection; TPU/PU outsole MAXXIMO with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1 SRC



dpvlink 23192

Article	Color	Size	Category
<b>Safety shoe LANDON</b>			
EL-729505	grey	40-48	S1



**Low shoe MADDOX**



Sporty safety shoe; upper water-repellent textile/water-repellent microfiber/water-repellent nubuck; padded flap; breathable lining; leather-free; TPU/PU outsole MAXXIMO with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant.

Model MADDOX Black Leather (EL-929563) with upper water-repellent nubuck

Variant safety shoe S3 additionally with steel toe cap and metal-free penetration protection



dpvlink 23199

Article	Color	Size	Category	Protective toe cap
<b>Low shoe MADDOX</b>				
EL-929652	black / red	36-49	O2	none
EL-929563	black	36-49	O2	none
EL-729561	black / red	40-48	S3	steel
EL-729461	black / light grey	35-48	S3	steel



**Low shoe MADDOX / MADDIE**



Sporty professional shoe; padded flap; breathable textile lining; TPU/PU outsole with sole core of Infinergy® by BASF for optimal cushioning; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistant.

Variant safety shoe S1P additionally with steel toe cap and metal-free penetration protection



dpvlink 21128

Article	Color	Size	Category	Protective toe cap	Form
<b>Low shoe MADDOX / MADDIE</b>					
EL-949502	grey / blue	36-42	O1	none	low shoe
EL-749501	grey / blue	35-42	S1P	steel	low shoe
EL-729551	grey / blue	40-48	S1P	steel	low shoe
EL-729571	blue	35-48	S1P	steel	low shoe
EL-749531	grey / blue	35-42	S1P	steel	sandal



**Low shoe LANA**



Modern occupational shoe; upper textile/microfiber; padded flap; breathable lining; TPU/PU outsole MAXXIMO with sole core of Infinergy® by BASF for optimal cushioning; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 O1 SRC



dpvlink 25227

Article	Color	Size	Category	Form
<b>Low shoe LANA</b>				
EL-974610	black / red	36-42	O1	low shoe



Safety sandal ETHAN Easy



Safety sandal; microfiber, padded flap; plastic toe cap; non-metallic penetration protection; breathable textile lining; TPU/PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistant, EN ISO 20345 S1 SRC



dpvlink 21126

Article	Color	Size	Category	Form
<b>Safety sandal ETHAN Easy</b>				
EL-719460	black	40-48	S1	sandal



Safety shoe IMPULSE Aqua



Modern safety shoe: microfiber; padded flap; steel toe cap; breathable textile lining; leather-free equipment; metal-free penetration protection; PU/PU outsole NOVA; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S1P SRC



dpvlink 20188

Article	Color	Size	Category	Form	Closure
<b>Safety shoe IMPULSE Aqua</b>					
EL-74801	black / turquoise	35-42	S1P	sandal	velcro fastener
EL-74811	black / turquoise	35-42	S1P	low shoe	quick-release fastener
EL-74831	black / turquoise	35-42	S1P	low shoe	Boa®



Safety shoe IMPULSE Grey



Lightweight safety shoe; upper microfiber; padded flap; metal- and leather-free; plastic toe cap; breathable textile lining; TPU/PU outsole BIOMEX DYNAMICS; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1 SRC



dpvlink 22515

Article	Color	Size	Category	Form
<b>Safety shoe IMPULSE Grey</b>				
EL-72245	black / grey	36-47	S1	low shoe
EL-71245	black / grey	36-47	S1	sandal



Safety shoe IMPULSE Green



Lightweight safety shoe; upper microfiber; padded flap; metal-free penetration protection; plastic toe cap; breathable textile lining; TPU/PU outsole BIOMEX DYNAMICS; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1P SRC



dpvlink 22519

Article	Color	Size	Category	Form
<b>Safety shoe IMPULSE Green</b>				
EL-712551	black / green	36-47	S1P	sandal
EL-722551	black / green	36-47	S1P	low shoe
EL-762551	black / green	36-47	S1P	boot



Safety shoe SENEX / SCOTT



Safety shoe: microfiber/textile; metal-free; padded flap; plastic toe cap; breathable textile lining; TPU/PU outsole; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S1 SRC



dpvlink 20179

Article	Color	Size	Category	Closure
<b>Safety shoe SENEX / SCOTT</b>				
EL-72872	black / red	35-48	S2	lace fastening
EL-71872	black / red	35-48	S1	velcro fastener



Safety shoe MOTION AIR



Safety shoe: mesh material/microfiber, padded flap; plastic toe cap; textile lining Bioactive; TPU/PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S1 SRC



dpvlink 19076

Article	Color	Size	Category
<b>Safety shoe MOTION AIR</b>			
EL-72170	black / red	38-47	S1



**Safety shoe MOTION**



Safety shoe: hydrophobized microfiber/CORDURA®; metal-free; closed padded flap; plastic toe cap; breathable textile lining; TPU/PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S2 SRC



dpvlink 19078

Article	Color	Size	Category
<b>Safety shoe MOTION</b>			
EL-72182	black / grey	38-47	S2



**Safety shoe AMBITION BOA**



Safety shoe with BOA® closure system: hydrophobized nubuck/textile; closed, padded flap; steel toe cap; breathable textile lining; metal-free penetration protection; TPU/PU outsole DIMENSION PRO; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S2 SRC



dpvlink 19068

Article	Color	Size	Category
<b>Safety shoe AMBITION BOA</b>			
EL-72752	black / yellow	36-48	S2



**Safety shoe MILA**



Sporty safety shoe: padded flap; steel toe cap; partially metal-free penetration protection; breathable textile lining; PU/PU outsole NOVA; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistant, EN ISO 20345 SRC



dpvlink 22535

Article	Color	Size	Category	Form
<b>Safety shoe MILA</b>				
EL-74710	grey / turquoise	35-42	S1	sandal
EL-74720	grey / turquoise	35-42	S1	low shoe



**Safety shoe DIRECTOR XXB**



Safety shoe with business look; upper microfiber; padded flap; breathable textile lining; steel toe cap; PU/PU outsole WELLMAXX BUSINESS with sole core of Infinergy® by BASF; oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1 SRC



dpvlink 23185

Article	Color	Size	Category
<b>Safety shoe DIRECTOR XXB</b>			
EL-729592	grey	40-48	S1
EL-729594	blue	40-48	S1



**Safety shoe OFFICER / ADVISER / OFFICER LADY**



Elegant safety shoe; cowhide; padded flap; steel toe cap; leather lining; PU outsole; optimal cushioning; outsole: oil- and chemical-resistant, antistatic; slip-resistance, EN ISO 20345 S2 SRC



dpvlink 19088

Article	Color	Size	Category	Upper
<b>Safety shoe OFFICER / ADVISER / OFFICER LADY</b>				
EL-71307	black	40-48	S2	leather / perforated men
EL-71306	black	40-48	S2	leather men
EL-74304	black	36-42	S2	leather / perforated women



**Insoles**

**ESD PRO - insole**



- ESD compliant
- anatomically shaped footbed
- dimensionally stable and permanently flexible
- odor-absorbing due to active carbon absorber
- high moisture absorption and release
- unisex and women's model

dpvlink 19195

Article	Type	Size
<b>ESD PRO - insole</b>		
EL-204054	ESD PRO	35-52 unisex
EL-204056	ESD PRO LADY insole	35-42 women





As one of the leading manufacturers of safety shoes in Europe Atlas sets a high value on high quality and innovative technologies. Its safety shoes are characterized by high-quality materials such as leather, Sportline textile or mesh as well as a breathable functional lining. Further features are the alu-tec® aluminum toe cap and the innovative Innoflex® sole concept. The safety shoes are also suitable for orthopedic insoles and offer an excellent ESD protection.

In compliance with the ESD standard DIN EN 61340-5-1 ⚠️



**ESD approved shoes**  
in accordance with EN 61340

**S8 Safety shoes SB**  
in accordance with EN ISO 20345

**S1 Safety shoes S1**  
in accordance with EN ISO 20345

**S1P Safety shoes S1P**  
in accordance with EN ISO 20345

**S2 Safety shoes S2**  
in accordance with EN ISO 20345

**S3 Safety shoes S3**  
in accordance with EN ISO 20345

**Steel toe cap**

**Aluminum toe cap**

**Slip resistance SRC**  
in accordance with EN 13287

**STEEL Penetration protection steel**

**METAL FREE Penetration protection metal-free**

**Exchangeable insole**

**DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191

**BOA® closure system**  
for an easy fitting of the shoe

**3D Cushioning MPU® comfort midsole**  
for economical and fatigue-free walking

**AKTIV X+ Humidity regulation**  
for a dry foot

**CLIMA-STREAM® clima-stream®:**  
Breathable shoe, acclimatizes to the ambient temperature

Safety shoes

Safety shoes Runner



Safety shoe; upper 100% woven and seamless textile, very comfortable and elastic Light Knit; steel toe cap; steel penetration protection; aktiv-X functional lining; 3D shock-absorption system; suitable for orthopedic insoles; ESD equipment, outsole oil-, acid- and benzene-resistant, antistatic; EN ISO 20345 S2 / S3



dpvlink 25874

Article	Color	Size	Category	Form	Closure
<b>Safety shoes Runner</b>					
AT-83700ESD	black / white	36-48	S1P	low shoe	lace fastening
AT-85000ESD	blue / rose	36-48	S1P	low shoe	lace fastening
AT-49700ESD	grey / black	36-48	S1P	low shoe	lace fastening

Safety shoe Flash 1000 / 1005 / 1300 / 1305 / 1600 / 1605



Safety shoe; upper mesh material, tip protection; alu-tec® aluminium toe cap; integrated climate zone; aktiv-X functional lining; MPU® INNOFLEX SYSTEM® sole; 3D shock-absorption for insoles, ESD equipment; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant.



dpvlink 21071

Article	Color	Size	Category	Form	Closure
<b>Safety shoe Flash 1000 / 1005 / 1300 / 1305 / 1600 / 1605</b>					
AT-1000ESD	blue	36-48	S1	low shoe	lace fastening
AT-1000-1ESD	blue	49	S1	low shoe	lace fastening
AT-1005ESD	blue	36-48	S1P	low shoe	lace fastening
AT-1005-1ESD	blue	49	S1P	low shoe	lace fastening
AT-1300ESD	black	36-48	S1	low shoe	lace fastening
AT-1300-1ESD	black	49	S1	low shoe	lace fastening
AT-1305ESD	black	36-48	S1P	low shoe	lace fastening
AT-1305-1ESD	black	49	S1P	low shoe	lace fastening
AT-1600ESD	black	36-48	S1	sandal	velcro fastener
AT-1600-1ESD	black	49	S1	sandal	velcro fastener
AT-1605ESD	black	36-48	S1P	sandal	velcro fastener
AT-1605-1ESD	black	49	S1P	sandal	velcro fastener

**Safety shoes Flash 2000 / 2005 / 3200 / 3205** 

Safety shoe; upper mesh material, neon reflective stripes, carbon-fiber reinforced tip protection; alu-tec® aluminium toe cap; integrated climate zone; aktiv-X functional lining; MPU® INNOFLEX SYSTEM® sole; 3D shock-absorption for insoles, ESD equipment; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant.



dpvlink 21067

Article	Color	Size	Category	Closure
<b>Safety shoes Flash 2000 / 2005 / 3200 / 3205</b>				
AT-2000ESD	black	36-48	S1	lace fastening
AT-2000-1ESD	black	49	S1	lace fastening
AT-2005ESD	black	36-48	S1P	lace fastening
AT-2005-1ESD	black	49	S1P	lace fastening
AT-3200ESD	black	36-48	S1	Boa®
AT-3200-1ESD	black	49	S1	Boa®
AT-3205ESD	black	36-48	S1P	Boa®
AT-3205-1ESD	black	49	S1P	Boa®

**Safety shoes Flash 2600 / 2605 XP®** 

Safety shoe; upper mesh material, neon reflective stripes, carbon-fiber reinforced tip protection; alu-tec® aluminium toe cap; integrated climate zone; aktiv-X functional lining; MPU® INNOFLEX SYSTEM® sole; 3D shock-absorption for insoles, ESD equipment; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant.



dpvlink 21069

Article	Color	Size	Category
<b>Safety shoes Flash 2600 / 2605 XP®</b>			
AT-2600ESD	black / green	36-48	S1
AT-2600-1ESD.49	black / green	49	S1
AT-2605ESD	black / green	36-48	S1P
AT-2605-1ESD.49	black / green	49	S1P

**Safety shoe Flash 4000 / 4005 / 4600 / 4605** 

Safety shoe; SPORTLINE upper material, carbon-fiber reinforced tip protection; alu-tec® aluminium toe cap; integrated climate zone; aktiv-X functional lining; MPU® INNOFLEX SYSTEM® sole; 3D cushioning system for insoles, ESD features; reflective neon stripes; outsole: oil- acid and benzene-resistant, antistatic; slip-resistant.



dpvlink 21018

Article	Color	Size	Category	Form	Closure
<b>Safety shoe Flash 4000 / 4005 / 4600 / 4605</b>					
AT-4000ESD	blue / green	36-48	S1	low shoe	lace fastening
AT-4000-1ESD	blue / green	49	S1	low shoe	lace fastening
AT-4005ESD	blue / green	36-48	S1P	low shoe	lace fastening
AT-4005-1ESD	blue / green	49	S1P	low shoe	lace fastening
AT-4600ESD	blue / green	36-48	S1	sandal	velcro fastener
AT-4600-1ESD	blue / green	49	S1	sandal	velcro fastener
AT-4605ESD	blue / green	36-48	S1P	sandal	velcro fastener
AT-4605-1ESD	blue / green	49	S1P	sandal	velcro fastener

**Safety sandal SL26 2.0 / SL46 2.0** 

Safety sandal; carbon fiber reinforced tip protection; alu-tec® aluminium toe cap; clima-stream® functional lining; velcro fastener; MPU® INNOFLEX SYSTEM® sole; optimal damping behavior; suitable for orthopedic insoles; outsole: oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1 SRC



dpvlink 17905

Article	Color	Size	Category
<b>Safety sandal SL26 2.0 / SL46 2.0</b>			
AT-SL26ESD	black / green	36-48	S1
AT-SL26-1ESD	black / green	49	S1
AT-SL46ESD	black / blue	36-48	S1
AT-SL46-1ESD	black / blue	49	S1

**Safety shoe SL20 / SL920 2.0 GREEN**



Safety shoe; perforated SPORTLINE upper; carbon fiber reinforced tip protection; alu-tec® aluminum toe cap; clima-stream® functional lining; 3D cushioning system; suitable for orthopedic insoles; MPU® INNOFLEX SYSTEM® sole; outsole: oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1 SRC



dpvlink 17903



Article	Color	Size	Category	Closure
<b>Safety shoe SL20 / SL920 2.0 GREEN</b>				
AT-SL920ESD	black / green	36-48	S1	Boa® / quick-release fastener
AT-SL920-1ESD	black / green	49	S1	Boa® / quick-release fastener
AT-SL20ESD	black / green	36-48	S1	lace fastening
AT-SL20-1ESD	black / green	49	S1	lace fastening

**Safety shoe SL9405 2.0 XP® BOA®**



Safety shoe with Boa® closure system; perforated SPORTLINE upper; aktiv-X functional lining; XP® metal-free penetration protection; carbon-fiber reinforced tip protection; alu-tec® aluminum toe cap; MPU® INNOFLEX SYSTEM® sole; 3D cushioning system; suitable for orthopedic insoles; outsole: oil- and chemical-resistant, antistatic; slip-resistant. EN ISO 20345 S1P SRC



dpvlink 21609



Article	Color	Size	Category
<b>Safety shoe SL9405 2.0 XP® BOA®</b>			
AT-SL9405ESD	black / blue	36-48	S1P
AT-SL9405-1ESD.49	black / blue	49	S1P

**Safety shoes SL40 / SL82 2.0 BLUE**



Safety shoe; perforated SPORTLINE upper material; carbon fiber reinforced tip protection; alu-tec® aluminum toe cap; clima-stream® functional lining; MPU® INNOFLEX SYSTEM® sole; 3D cushioning system; suitable for orthopedic insoles, ESD equipment; outsole: oil- and chemical-resistant, antistatic; slip-resistance according to EN ISO 20345 S1 SRC



dpvlink 17907



Article	Color	Size	Category	Form
<b>Safety shoes SL40 / SL82 2.0 BLUE</b>				
AT-SL40ESD	black / blue	36-48	S1	low shoe
AT-SL40-1ESD	black / blue	49	S1	low shoe
AT-SL82ESD	black / blue	36-48	S1	boot

**Safety shoe SL60 / SL80 2.0 BLUE**



Safety shoe; SOFT nubuck; carbon fiber reinforced MPU tip protection; alu-tec® aluminum toe cap; aktiv-X functional lining; MPU® INNOFLEX SYSTEM® sole; 3D cushioning system; suitable for orthopedic insoles, ESD equipment; outsole: oil- and chemical-resistant, antistatic; slip-resistance according to EN ISO 20345 S2 SRC



dpvlink 19044



Article	Color	Size	Category	Form
<b>Safety shoe SL60 / SL80 2.0 BLUE</b>				
AT-SL60ESD	black / blue	36-48	S2	low shoe
AT-SL60-1ESD	black / blue	49	S2	low shoe
AT-SL80ESD	black / blue	36-48	S2	boot

**Safety sandal SL36 2.0 RED**



Safety sandal; SPORTLINE upper; carbon fiber reinforced tip protection; alu-tec® aluminum toe cap; clima-stream® functional lining; aktiv-X functional lining; velcro fastener; MPU® INNOFLEX SYSTEM® sole; 3D absorption system; suitable for orthopedic insoles; outsole: oil- and chemical-resistant, antistatic; slip-resistance according to EN ISO 20345 : S1 SRC



dpvlink 19199



Article	Color	Size	Category
<b>Safety sandal SL36 2.0 RED</b>			
AT-SL36ESD	black / red	36-48	S1
AT-SL36-1ESD	black / red	49	S1

**Safety shoes SL30 2.0/SL32 2.0 RED**



Safety shoe; perforated SPORTLINE upper; carbon fiber reinforced tip protection; alu-tec® aluminum toe cap; clima-stream® functional lining; aktiv-X functional lining; MPU® INNOFLEX SYSTEMsole; 3D absorption system; suitable for orthopedic insoles; outsole: oil- and chemical-resistant, antistatic; slip-resistance according to EN ISO 20345 S1 SRC



dpvlink 19201

Article	Color	Size	Category	Form
<b>Safety shoes SL30 2.0/SL32 2.0 RED</b>				
AT-SL30ESD	black / red	36-48	S1	low shoe
AT-SL30-1ESD	black / red	49	S1	low shoe
AT-SL32ESD	black / red	36-48	S1	boot



**Safety sandal GX350 Black**



Safety shoe; SPORTLINE upper material; clima-stream® concept; aktiv-X functional lining; Velcro fastener; MPU® Light sole technology; 3D damping system for insoles; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant according to EN ISO 20345 S1 SRC



dpvlink 20118

Article	Color	Size	Category
<b>Safety sandal GX350 Black</b>			
AT-GX350ESD	black / blue	35-43	S1



**Safety clog GX 390 black**



Safety clog; upper SPORTLINE; steel toe cap; clima-stream® functional lining; comfort insole; MPU®Light sole technology; antistatic; outsole: oil- and chemical-resistant, antistatic; slip-resistant according, EN ISO 20345 SB SRC



dpvlink 19598

Article	Color	Size	Category
<b>Safety clog GX 390 black</b>			
AT-GX390ESD	black / blue	35-43	SB



**Safety sneaker GX100/GX160/GX240/GX260**



Safety shoe; upper mesh material with integrated climate zone; steel toe cap; aktiv-X functional lining; lacing; MPU® Light sole technology; 3D damping system for insoles; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant according to EN ISO 20345 S1 SRC



dpvlink 22605

Article	Color	Size	Category	Closure
<b>Safety sneaker GX100/GX160/GX240/GX260</b>				
AT-GX100ESD	blue / rose	35-43	S1	lace fastening
AT-GX160ESD	blue / rose	35-43	S1	velcro fastener
AT-GX240ESD	black / grey	35-43	S1	lace fastening
AT-GX260ESD	black / grey	35-43	S1	velcro fastener



**Safety shoes GX130/GX133**



Safety shoe; SPORTLINE upper material; steel toe cap, clima-stream® concept; aktiv-X functional lining; lacing; MPU® Light sole technology; 3D damping system for insoles; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant according to EN ISO 20345 S1 SRC



dpvlink 20102

Article	Color	Size	Category
<b>Safety shoes GX130/GX133</b>			
AT-GX130ESD	black / blue	35-43	S1
AT-GX133ESD	black / red	35-43	S1



### Safety sandal TX360 S1 ESD



Safety sandal; SPORTLINE upper material; carbon-fiber reinforced MPU toe protection; clima-stream® concept; aktiv-X functional lining; Velcro fastener; MPU® Innoflex System sole technology; 3D damping system for insoles, ESD equipment; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant according to EN ISO 20345 S1 SRC



dpvlink 20109

Article	Color	Size	Category
<b>Safety sandal TX360 S1 ESD</b>			
AT-TX360ESD	black / blue	36-48	S1
AT-TX360-1ESD	black / blue	49-50	S1



### Safety shoe CF2



Safety shoe; upper microfiber; safety reflective stripes; carbon-fiber reinforced MPU toe protection; steel toe cap, clima-stream® concept; aktiv-X functional lining; 3D shock absorption; suitable for insoles, ESD equipment; MPU® Innoflex System sole technology; outsole: oil-, acid- and fuel-resistant, antistatic; EN ISO 20345 S1 SRC



dpvlink 21073

Article	Color	Size	Category
<b>Safety shoe CF2</b>			
AT-CF2ESD	black / blue	36-48	S1
AT-CF2-1ESD	black / blue	49	S1



### Safety sneaker A240/A420



Safety sneaker; upper material: SPROTLINE microfiber, partially perforated; steel toe cap; aktiv-X functional lining; 3D cushioning system, suitable for the insole equipment, ESD equipment, Sneaker sole technology; outsole oil- and chemical-resistant, antistatic; EN ISO 20345 S1



dpvlink 16922

Article	Color	Size	Category
<b>Safety sneaker A240/A420</b>			
AT-A240ESD	black / green	36-48	S1
AT-A240-1ESD	black / green	49	S1
AT-A420ESD	black / blue	36-48	S1
AT-A420-1ESD	black / blue	49	S1



### Safety sneaker A100/A515



Safety sneaker; upper material: soft full-grain leather; steel toe cap; metal-free penetration protection; aktiv-X functional lining; 3D cushioning system, suitable for the insole equipment, ESD equipment, Sneaker sole technology; outsole oil- and chemical-resistant, antistatic; EN ISO 20345



dpvlink 20114

Article	Color	Size	Category	Form
<b>Safety sneaker A100/A515</b>				
AT-A100ESD	brown	36-48	S2	sneaker
AT-A515ESD	brown	36-48	S3	boot



### Safety sneaker A280/A585



Safety sneaker; upper material: soft full-grain leather; steel toe cap; metal-free penetration protection; aktiv-X functional lining; 3D cushioning system, suitable for orthopedic insoles, ESD equipment, Sneaker sole technology; outsole oil- and chemical-resistant, antistatic; AT-585ESD in addition with XP® metal-free penetration protection. EN ISO 20345 S2 / S3



dpvlink 20112

Article	Color	Size	Category	Form
<b>Safety sneaker A280/A585</b>				
AT-A280ESD	black	36-48	S2	sneaker
AT-A280-1ESD	black	49	S2	sneaker
AT-A585ESD	black	36-48	S3	boot



### Safety shoe CX 200 Office women



Women's safety shoe; upper leather, comfortable women's last, comfort heel: steel toe cap; aktiv-X functional lining; MPU® Office sole technology; 3D shock absorption for orthopedic insoles; oil- and chemical-resistant, antistatic; EN ISO 20345:S2



dpvlink 16921

Article	Color	Size	Category
<b>Safety shoe CX 200 Office women</b>			
AT-CX200ESD	black	35-43	S2



### Safety shoe Office



Safety shoe; upper material: soft full-grain calf leather, steel toe cap, aktiv-X functional lining; lacing; MPU® Light sole technology; 3D damping system for insoles, ESD equipment; outsole: oil-, acid- and fuel-resistant, antistatic; slip-resistant according to EN ISO 20345 S2 SRC



dpwlink 20122



Article	Color	Size	Category	Form
<b>Safety shoe Office</b>				
AT-CX340ESD	black	39-48	S2	low shoe
AT-CX540ESD	black	39-47	S2	boot
AT-CX320ESD	black	39-47	S2	low shoe

### Safety shoe CX



Safety shoe; upper breathable microfiber, steel toe cap, aktive-X functional lining, 3D shock absorption for orthopedic insoles, ESD equipment, MPU® sole technology; oil-, acid- and fuel-resistant, antistatic; EN ISO 20345 S1 SRC



dpwlink 21076



Article	Color	Size	Category
<b>Safety shoe CX</b>			
AT-CX50ESD	black	39-48	S1 men
AT-CX56ESD	grey	39-48	S1 men
AT-CX40ESD	black	35-43	S1 women
AT-CX46ESD	grey	35-43	S1 women

### Insoles

#### ESD Clima Comfort insole



- suitable for all Atlas shoes
- ESD-compliant

dpwlink 21672



Article	Color	Size
<b>ESD Clima Comfort insole</b>		
AT-92000	green	36-48



#### EPApro® ESD Personnel grounding control system:

The innovative EPApro® end-to-end solution for your ESD protected working areas combines a user-friendly precision hardware with a forward-looking software solution designed for the measurement of your ESD safety equipment as well as the comfortable and standard-compliant documentation and central management of the collected data. Multifunctional EPApro® interfaces and switch outputs allow for a simple integration in the existing infrastructure of your company.

#### EPApro® ESD-Personnel-Tester 1000



dpwlink 21010

The EPApro® 1000 is a compact measuring device to verify the personnel grounding and fulfills the requirements of DIN EN ISO 613405-1, ANSI ESD S20.20 and GDPR (general data protection regulation). Programmable switch outputs allow using it as access control. A privacy mode offers the possibility to log and display the measurement without names. The measurements are logged and stored in the EPApro® 1000 device conforming to standards and the GDPR. It is possible to retrieve measured data via network or maintain them locally on the device by means of the stand-alone function.

#### EPApro® Control Server



dpwlink 21904

The EPApro® Control Server software allows for a central management across locations of the measurement, device and employee data collected by the ESD personnel testers and transmitted to the EPApro® Control Server by means of the company network. All data is stored in a central database directly on your company server in compliance with the GDPR. It is possible to configure the EPApro® 1000 devices centrally via the EPApro® Control Server. Modifications of the device parameters are automatically synchronized with the server.

#### Find out more

You will find all interesting facts about the EPApro® program in the catalog in the chapter "Measurements and tests" or online on our website.

# uvex

Nothing is more important than the safety of people in their day-to-day work! This is why uvex is constantly developing their products based on pioneering technologies. The objective: combining protection, wearing comfort and relief in every product in the best possible way.

In compliance with the ESD standard DIN EN 61340-5-1



## clima zone

uvex climazone is an innovative head-to-toe climate control system. uvex has combined its expertise in research and product development

using intelligent materials and processing technologies to develop a unique range of climate-optimizing safety products, such as climate-optimizing safety footwear.

Hot or cold feet, discomfort caused by heavy perspiration - a perfect climate regulation is demanded especially in safety footwear:

- perceived comfort with uvex climazone
- regulation of the individual body climate
- working with a remaining well-being
- longer lasting performance
- optimal wearing comfort in every situation

The uvex comfortable climate insole provides all-over cushioning of the foot and ensures comfort in high-strain zones. It is breathable and is made of moisture-absorbing materials. The cushioning zones support the natural walking movement. The upper is skin-friendly and pleasant.



The uvex xenova® system is a performant, completely metal-free safety system to protect the foot inside a safety shoe.

The uvex xenova® toe cap fits perfectly without any pressure points. The cap ensures increased wearer comfort when kneeling and during impacts.



**ESD approved shoes**  
in accordance with EN 61340



**Work shoes 01**  
in accordance with EN ISO 20347



**Safety shoes S1**  
in accordance with EN ISO 20345



**Safety shoes S1P**  
in accordance with EN ISO 20345



**Safety shoes S2**  
in accordance with EN ISO 20345



**Safety shoes S3**  
in accordance with EN ISO 20345



**Steel toe cap**



**Metal-free toe cap**



**Slip resistance SRC**  
in accordance with EN 13287



**Penetration protection steel**



**Penetration protection metal-free**



**Very lightweight shoe**



**Overcap**

Toe wear protection



**Exchangeable insole**



**DGUV standard 112-191**

Suitable for orthopedic insoles in accordance with DGUV standard 112-191



**BOA® closure system**

for an easy fitting of the shoe



**Completely metal-free toe cap xenova®**

## Occupational and safety footwear

### Safety shoe ESD uvex 1 G2 Planet

**NEU uvex**

Lightweight safety shoe made from 25% recycled material; suitable for persons suffering from chrome allergy; silicon-free sole material; elastic laces; metal-free penetration protection and toe cap; overcap; suitable for orthopedic insoles (DGUV), TPU outsole; oil- and benzene-resistant; very slip-resistant. EN ISO 20345:2011 S1P SRC



dpvlink 25845

Article	Color	Size	Category	Upper
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#### Safety shoe ESD uvex 1 G2 Planet

UX-68232	white / green	35-52	S1P	textile
UX-68242	black / green	35-52	S1P	textile



### Safety shoe ESD uvex 1 G2

**NEU uvex**

Lightweight safety shoe; suitable for persons suffering from chrome allergy; silicon-free sole material; elastic laces; metal-free toe cap; suitable for orthopedic insoles (DGUV), PU outsole; oil- and benzene-resistant; very slip-resistant. EN ISO 20345:2011 S1 SRC



dpvlink 25848

Article	Color	Size	Category	Form
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#### Safety shoe ESD uvex 1 G2

UX-68298	black / blue	35-52	S1	low shoe
UX-68318	black / blue	35-52	S1	boot



**Safety shoe uvex 1 G2**



Lightweight safety shoe; suitable for persons suffering from chrome allergy; silicon-free sole material; elastic laces; metal-free penetration protection and toe cap; TPU overcap; women's last from sizes 35-40; oil- and benzene-resistant; slip-resistant. EN ISO 20345:2011 S1P SRC



dpvlink 26115

Article	Color	Size	Category	Upper
<b>Safety shoe uvex 1 G2</b>				
UX-68342	black / grey	35-52	S1P	textile



**Safety sandal uvex 1 G2**



Safety sandal; upper micro suede; perforated; with velcro fastener; large xenova® plastic toe cap; suitable for orthopedic insoles; PU/PU outsole; very slip-resistant. UX-68428 and UX-68488: EN ISO 20345:2011 S1 SRC  
UX-68362: EN ISO 20345:2011 S1P SRC



dpvlink 24241

Article	Color	Size	Category	Form
<b>Safety sandal uvex 1 G2</b>				
UX-68428	black / yellow	35-52	S1	sandal
UX-68488	black / orange	35-52	S1	sandal
UX-68362	black / red	35-52	S1P	sandal



**Safety shoe ESD uvex 1 G2**



Safety shoe with quick-release fastener; upper micro suede (perforated); Distance mesh lining; large xenova® plastic toe cap; suitable for orthopedic insoles; TPU outsole; very slip-resistant. UX-68467 and UX-68438: EN ISO 20345:2011 S1 SRC  
UX-68372: EN ISO 20345:2011 S1P SRC



dpvlink 24866

Article	Color	Size	Category
<b>Safety shoe ESD uvex 1 G2</b>			
UX-68372	black / red	35-52	S1P
UX-68438	black / yellow	35-52	S1
UX-68468	black / orange	35-52	S1



**Safety shoe ESD uvex 1**



Safety shoe; upper micro suede; perforated; xenova® plastic toe cap; suitable for orthopedic insoles; PU/PU outsole; slip-resistant. EN ISO 20345:2011 S1 SRC



dpvlink 24233

Article	Color	Size	Category	Closure	Form
<b>Safety shoe ESD uvex 1</b>					
UX-85428	black / lime	35-52	S1	velcro fastener	sandal
UX-85438	black / lime	35-52	S1	quick-release fastener	low shoe
UX-65658	black / lime	35-52	S1	Boa®	low shoe



**Safety shoe ESD uvex 1 ladies**



Safety shoe; upper micro suede; perforated; large xenova® plastic toe cap; suitable for orthopedic insoles; PU/PU outsole; slip-resistant. EN ISO 20345:2011 S1 SRC



dpvlink 24290



Article	Color	Size	Category	Closure	Form
<b>Safety shoe ESD uvex 1 ladies</b>					
UX-85618	grey / pink	35-43	S1	quick-release fastener	low shoe
UX-85608	grey / pink	35-43	S1	velcro fastener	sandal

**Professional shoe ESD uvex 1 Sport nc**



Professional shoe; upper textile; suitable for orthopedic insoles; PU/PU outsole; slip-resistant. EN ISO 20347:2012 O1 SRC FO



dpvlink 24238



Article	Color	Size	Category	Upper	Form
<b>Professional shoe ESD uvex 1 Sport nc</b>					
UX-65938	black / grey	35-52	O1	textile	low shoe
UX-65958	black / white	35-52	O1	textile	low shoe

**Safety shoe ESD uvex 1 Sport**



Safety shoe; upper textile; xenova® plastic toe cap; metal-free penetration protection; suitable for orthopedic insoles; PU/PU outsole; slip-resistant. EN ISO 20345:2011 S1P SRC



dpvlink 24227



Article	Color	Size	Category	Upper	Form
<b>Safety shoe ESD uvex 1 Sport</b>					
UX-65902	black	35-52	S1P	textile	low shoe

**Safety shoe ESD uvex 1 Sport**



Safety shoe; upper textile; xenova® plastic toe cap; suitable for orthopedic insoles; PU/PU outsole; slip-resistant. EN ISO 20345:2011 S1 SRC  
UX-65988: EN ISO 20345:2011 S1 SRC  
UX-65972 and UX-65992: EN ISO 20345:2011 S1P SRC



dpvlink 24229



Article	Color	Size	Category	Upper	Form
<b>Safety shoe ESD uvex 1 Sport</b>					
UX-65972	pink	35-43	S1P	textile	low shoe
UX-65992	blue	35-52	S1P	textile	low shoe
UX-65988	black	35-52	S1	textile	low shoe

**Safety shoe uvex 2 xenova**



Safety shoe; upper micro suede; perforated; reflective appliqué; xenova® plastic toe cap; suitable for orthopedic insoles; PU/PU outsole; slip-resistant. EN ISO 20345:2011 S1 SRC



dpvlink 24264



Article	Color	Size	Category	Closure	Form
<b>Safety shoe uvex 2 xenova</b>					
UX-95548	black / blue	38-52	S1	lace fastening	low shoe
UX-95538	black / blue	38-52	S1	velcro fastener	sandal

**Safety shoe uvex 2 xenova, green**



Safety shoe; upper micro suede; perforated; reflective appliqué; xenova® plastic toe cap; suitable for orthopedic insoles; PU/PU outsole; slip-resistant. EN ISO 20345:2011 S1 SRC



dpvlink 24267

Article	Color	Size	Category	Closure	Form
<b>Safety shoe uvex 2 xenova, green</b>					
UX-95598	black / green	38-52	S1	velcro fastener	sandal
UX-95608	black / green	38-52	S1	lace fastening	low shoe



**Safety shoe uvex 2 trend black/grey**



Safety shoe; upper micro suede; steel toe cap; suitable for orthopedic insoles; PU/PU outsole; very slip-resistant. EN ISO 20345:2011 S1/S1P SRC  
UX-69478: EN ISO 20345:2011 S1 SRC  
UX-69462: EN ISO 20345:2011 S1P SRC



dpvlink 24282

Article	Color	Size	Category	Closure	Form
<b>Safety shoe uvex 2 trend black/grey</b>					
UX-69462	black / grey	38-52	S1P	velcro fastener	sandal
UX-69478	black / grey	38-52	S1	lace fastening	low shoe



**Safety shoe uvex 2 trend black/blue**



Safety shoe; upper micro suede; steel toe cap; suitable for orthopedic insoles; PU/PU outsole; very slip-resistant. EN ISO 20345:2011 S1/S1P SRC  
UX-69378: EN ISO 20345:2011 S1 SRC  
UX-69362: EN ISO 20345:2011 S1P SRC



dpvlink 24280

Article	Color	Size	Category	Closure	Form
<b>Safety shoe uvex 2 trend black/blue</b>					
UX-69362	black / blue	38-52	S1P	velcro fastener	sandal
UX-69378	black / blue	38-52	S1	lace fastening	low shoe



**Safety shoe uvex 1 Business**



Safety shoe; upper micro suede; wide steel toe cap; suitable for orthopedic insoles; PU outsole; oil- and benzene-resistant; very slip-resistant. EN ISO 20345:2011 S2 SRC



dpvlink 24244

Article	Color	Size	Category	Upper	Form
<b>Safety shoe uvex 1 Business</b>					
UX-84698	grey	39-52	S2	micro suede	low shoe



**Safety shoe uvex 2 trend black/red**



Safety shoe; upper micro suede; steel toe cap; suitable for orthopedic insoles; PU/PU outsole; very slip-resistant. EN ISO 20345:2011 S1/S1P SRC  
UX-69078: EN ISO 20345:2011 S1 SRC  
UX-69062: EN ISO 20345:2011 S1P SRC



dpvlink 24281

Article	Color	Size	Category	Closure	Form
<b>Safety shoe uvex 2 trend black/red</b>					
UX-69078	black / red	38-52	S1	lace fastening	low shoe
UX-69062	black / red	38-52	S1P	velcro fastener	sandal



**Safety shoe / safety boot uvex 1 Business blue**



Safety shoe; upper micro suede; steel toe cap; metal-free penetration protection; suitable for orthopedic insoles; PU outsole; oil- and benzene-resistant; very slip-resistant. EN ISO 20345:2011 S3 SRC



dpvlink 24246

Article	Color	Size	Category	Closure	Form
<b>Safety shoe / safety boot uvex 1 Business blue</b>					
UX-84282	blue	39-52	S3	lace fastening	low shoe
UX-84272	blue	39-52	S3	lace fastening	boot



Insoles

Insole ESD 1 Sport



For uvex 1 Sport models

- all-over cushioning of the foot
- highly breathable
- moisture-absorbing
- quick-drying
- antistatic

dpvlink 24254

Article	Type	Size
UX-95798	Insole ESD 1 Sport	35-52



Insole ESD 1 G2



For uvex 1 G2 models

- all-over cushioning of the foot
- highly breathable
- moisture-absorbing
- quick-drying
- antistatic
- hand washing up to 30°C

dpvlink 24250

Article	Type	Size
UX-94908	Insole ESD 1 G2	35-52



Insole ESD 1



For uvex 1 and uvex 2 xenova models

- all-over cushioning of the foot
- highly breathable
- moisture-absorbing
- quick-drying
- perforation for more breathability
- antistatic

dpvlink 24253

Article	Type	Size
UX-95348	Insole ESD 1	35-52



Insole ESD 2 trend



For uvex 2 models

- all-over cushioning of the foot
- highly breathable
- moisture-absorbing
- quick-drying
- antistatic

dpvlink 24335

Article	Type	Size
UX-95188	Insole ESD 2 trend	38-52



Insole ESD 1 Business



For uvex 1 Business models

- all-over cushioning of the foot
- highly breathable
- moisture-absorbing
- antistatic

dpvlink 24252

Article	Type	Size
UX-95158	Insole ESD 1 Business	39-52



PUMA SAFETY products are developed, manufactured and distributed by ISM, a family-run company based in Lippstadt since 1930. As one of the leading sports brand in the world PUMA is endorsed by the fastest athletes in the world. For this reason, the PUMA brand is based on values propelling high-performing athletes to the next level. ISM shares these values and has been cooperating with PUMA since 2002 to develop PUMA SAFETY, a stunning range of high-performance safety shoes with a sporty flair.

In compliance with the ESD standard DIN EN 61340-5-1



**ESD approved shoes**  
in accordance with EN 61340



**Vegan shoe**



**Safety shoes S1P**  
in accordance with EN ISO 20345



**DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191



**Penetration protection metal-free**



**FAP®**  
Flexible anti-penetration: penetration-resistant, non-metallic midsole



**100% metal-free shoe**



**SAFETY KNIT®**  
Highly flexible textile fabric, fits like a sock



**Very lightweight shoe**



**FUSE.TEC®**  
Shoes with seamlessly welded reinforcement elements

Safety shoes

Safety shoe Xcity Grey Low



Safety shoe; SAFETY KNIT upper; composite toe cap; flexible FAP® penetration protection; microfiber functional lining; metal-free; rubber sole; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 HRO S1P



S1P



100% METAL FREE



DGUV 112-191



SAFETY KNIT

dpvlink 26530

Article	Color	Size	Category
PU-643860	grey / blue	39-48	S1P



### Safety shoe Pace 2.0 Yellow Low



Safety shoe; leather upper with breathable textile inserts; reflecting elements; composite toe cap; flexible FAP® penetration protection; breathable functional lining; rubber sole; metal-free; outsole oil-, acid and fuel-resistant; antistatic.  
EN ISO 20345 HRO S1P



dpvlink 26523

Article	Color	Size	Category	
<b>Safety shoe Pace 2.0 Yellow Low</b>				
PU-643800	grey / yellow	39-48	S1P	

### Safety shoes Elevate Knit Green / Black Low



Safety shoe; SAFETY KNIT® upper; composite toe cap; flexible FAP® penetration protection; microfiber functional lining; metal-free; rubber sole; TPU protection in the toe and heel area; outsole oil-, acid and fuel-resistant; antistatic.  
EN ISO 20345 HRO S1P



dpvlink 26520

Article	Color	Size	Category	
<b>Safety shoes Elevate Knit Green / Black Low</b>				
PU-643160	black / grey	39-47	S1P	
PU-643170	blue / green	39-47	S1P	

### Safety shoes Fuse Motion 2.0 Red / Green Low



Safety shoe; mesh upper; FUSE.TEC elements (seamless applied reinforcing elements); composite toe cap; flexible FAP® penetration protection; microfiber functional lining; metal-free; rubber sole; outsole oil-, acid and fuel-resistant; antistatic;  
EN ISO 20345 HRO S1P



dpvlink 26525

Article	Color	Size	Category	
<b>Safety shoes Fuse Motion 2.0 Red / Green Low</b>				
PU-643890	black / red	39-48	S1P	
PU-643880	black / green	39-48	S1P	

### Safety shoe Velocity 2.0 Blue Low



Safety shoe; upper made of durable microfiber with TPU reinforcement; composite toe cap; flexible FAP® penetration protection; microfiber functional lining; metal-free; rubber sole; outsole oil-, acid and fuel-resistant; antistatic.  
EN ISO 20345 HRO S1P



dpvlink 26528

Article	Color	Size	Category	
<b>Safety shoe Velocity 2.0 Blue Low</b>				
PU-643850	blue	36-48	S1P	

### Safety shoe Fuse TC Green Low



Safety shoe; microfiber upper with breathable mesh; FUSE.TEC elements (seamless applied reinforcing elements); composite toe cap; flexible FAP® penetration protection; microfiber functional lining; metal-free; PU/PU sole; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 HRO S1P



dpvlink 26532

Article	Color	Size	Category	
<b>Safety shoe Fuse TC Green Low</b>				
PU-644210	black / green	40-49	S1P	

## Insoles

### Insole EVERCUSHION®



- extremely breathable
- adapts perfectly to the foot
- very good shock absorption
- antibacterial textile surface

dpvlink 26594

Article	Type	Size	
<b>Insole EVERCUSHION®</b>			
PU-204500	Insole EVERCUSHION®	36-47	



**ALBATROS®** is one of the leading German brands for performance safety shoes. All ALBATROS® products are designed and developed by an international team of PPE experts in German. For more than 40 years ALBATROS® has been constantly improving the quality, comfort, functionality and design of its products - to support professionals during their work.

In compliance with the ESD standard DIN EN 61340-5-1 ⚠️



**ESD approved shoes**  
in accordance with EN 61340

**01 Work shoes 01**  
in accordance with EN ISO 20347

**S1P Safety shoes S1P**  
in accordance with EN ISO 20345

**METAL FREE Penetration protection metal-free**

**100% METAL FREE 100% metal-free shoe**

**Very lightweight shoe**

**Vegan shoe**

**DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191

**FAP® FAP®**  
Flexible anti-penetration: penetration-resistant, non-metallic midsole

**SAFETY KNIT®**  
Highly flexible textile fabric, fits like a sock

**IMPULSE.FOAM®**  
Anti-fatigue sole technology for maximal shock absorption, excellent stability and long-lasting comfort

Safety shoes

**Safety shoe AER55 Impulse Black Blue Low** **NEU** **albatros** ⚠️

Very light safety shoe; SAFETY KNIT® upper with FITFRAME® elements (seamless applied reinforcing elements); composite toe cap; TPU protection in the toe and heel area; flexible FAP® penetration protection; breathable functional lining; DUAL.FOAM® midsole; metal-free; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 S1P



**dpvlink 26537**

Article	Color	Size	Category
AL-647500	black / blue	36-47	S1P

**Professional shoes AER55 ST Blue / Black Low** **NEU** **albatros** ⚠️

Professional shoe; SAFETY KNIT® upper with FITFRAME® elements (seamless applied reinforcing elements); padded leg and tongue; TPU protection in the toe and heel area; breathable functional lining; rubber sole; metal-free; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 01 HRO SRA



**dpvlink 26546**

Article	Color	Size	Category	Form	Closure
AL-654950	blue	36-47	01	low shoe	lace fastening
AL-654900	black	36-47	01	low shoe	lace fastening

**Safety shoe AER58 Blue Low** **NEU** **albatros** ⚠️

Safety shoe; textile upper with microfiber and TPU reinforcement; composite toe cap; flexible FAP® penetration protection; breathable functional lining; rubber sole; metal-free; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 HRO S1P



**dpvlink 26544**

Article	Color	Size	Category	Form	Closure
AL-647660	blue / grey	39-48	S1P	low shoe	lace fastening

**Safety shoe BREEZE Impulse Low** **NEU** **albatros** ⚠️

Very light safety shoe; mesh upper; composite toe cap; TPU protection in the toe and heel area; flexible FAP® penetration protection; breathable functional lining; DUAL.FOAM® midsole; metal-free; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 S1P



**dpvlink 26539**

Article	Color	Size	Category	Form	Closure
AL-647520	black / blue	36-47	S1P	low shoe	quick-release fastener

**Safety shoes Lift Grey / Blue Impulse Low** NEU  

Very light safety shoe; SAFETY KNIT® upper with FITFRAME® elements (seamless applied reinforcing elements); composite toe cap; TPU protection in the toe and heel area; flexible FAP® penetration protection; breathable functional lining; DUAL.FOAM midsole; metal-free; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 S1P



**dpvlink 26541** 

Article	Color	Size	Category	Form	Closure
AL-646610	blue / black	39-47	S1P	low shoe	lace fastening
AL-646700	grey / blue	38-47	S1P	low shoe	lace fastening

**Safety shoe Splendid Green GH Low** NEU  

Very light safety shoe; SAFETY KNIT®; fiber glass toe cap; flexible FAP® penetration protection; breathable functional lining; metal-free; outsole oil-, acid and fuel-resistant; antistatic; EN ISO 20345 S1P HRO



**dpvlink 26608** 

Article	Color	Size	Category	Form	Closure
AL-646300	black / green	36-47	S1P	low shoe	lace fastening

**Insoles**

**Insole COMFIT®AIR** NEU  



- shock-absorbing elevations in the heel and the ball area
- longitudinal arch support
- slip-resistant textile surface
- antibacterial textile surface

**dpvlink 26596** 

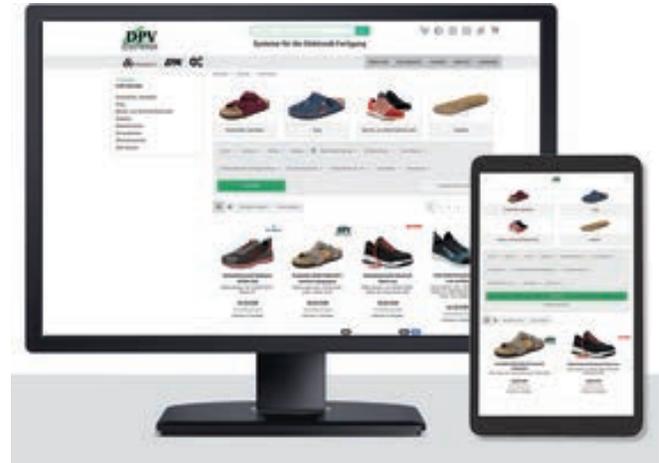
Article	Type	Size
AL-204750	Insole COMFIT®AIR	36-47

**Find your shoe quickly and easily!**

- Find the appropriate shoe quickly with our **shoe filter** in our **online shop**
- **simple search** in the complete product range of professional and safety shoes
- **many filter criteria** for optimal selection



Use our shoe filter online - with a few clicks to the appropriate shoe!



Filter according to the requirements for your shoe:



- Manufacturer
- Size
- Color
- Shoe shape
- Professional and safety class
- Slip resistance
- Penetration protection
- Suitability for orthopedic insoles

You will find more information about the requirements directly in the filter.

**Filter now and find the appropriate shoe...**

**Reliably tested!**

The EPApro® ESD Personnel Tester 1000 allows testing your safety shoe reliably, simply and in less than 2 seconds before entering in the ESD-protected zone.

Further information about the EPApro® 1000 are available in the **catalog** under **"Measurements and tests** or **online with thedpvlink 21010**





# LEMAITRE

meisterhafte Sicherheitsschuhe

Lemaitre creates extraordinary sole structures, designs and fits and more than 30 years of experience are put in every shoe.

Diversity, individuality and uncompromising technology are a must. LEMAITRE patents contribute to most different solutions and keep product innovations at hand that are considered to be spectacular and trendsetting. Competence and experience provide a complete product range of safety shoes for qualitative "foot work" valid according to EN standards.

Wearing LEMAITRE safety shoes the boundaries between work and leisure become blurred.



You want to emphasize the company affiliation of your employees? Have the models RILEY LOW S3 ESD and Bolt S3 ESD additionally equipped with your company logo, and that from 1 pair! Just contact us!

### BOLT S3 ESD logo

Due to its black microfiber and the attractive lacing this shoe Bolt S3 ESD can be identified as a safety equipment only at second glance.

### RILEY LOW S3 ESD logo

The safety shoe Riley low S3 ESD made of black microfiber is a pure lace-up shoe with an additional elastic band. When leaving out the upper loop, it can be used as a comfortable loafer.

 **ESD approved shoes**  
in accordance with EN 61340

 **Safety shoes S1P**  
in accordance with EN ISO 20345

 **Safety shoes S3**  
in accordance with EN ISO 20345

 **Steel toe cap**

 **Aluminum toe cap**

 **Slip resistance SRC**  
in accordance with EN 13287

 **Penetration protection metal-free**

 **Exchangeable insole**

 **DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191

## Safety shoes

### Safety shoe Riley Light

LEMAITRE 

Safety shoe; upper microfiber, lace fastening; aluminum toe cap; metal-free penetration protection; mesh lining; PU outsole; suitable for orthopedic insoles DGUV 112-191; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 25081

Article	Color	Size	Category	Closure
<b>Safety shoe Riley Light</b>				
LE-8058	black / red	35-49	S1P	lace fastening



### Safety shoe Riley Low / Riley Fresh / Riley High

LEMAITRE 

Safety shoe; upper microfiber seamless, reflecting appliqués, aluminum toe cap; metal-free penetration protection; mesh lining; PU outsole; suitable for orthopedic insoles (DGUV 112-191); oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011



dpvlink 23536

Article	Color	Size	Category	Form	Closure
<b>Safety shoe Riley Low / Riley Fresh / Riley High</b>					
LE-8061	black / red	36-49	S3	low shoe	lace fastening
LE-8060	black / red	36-49	S1P	sandal	velcro fastener
LE-8062	black / red	36-49	S3	boot	lace fastening



### Safety shoe Lennon

LEMAITRE 

Safety shoe; upper breathable textile; aluminum toe cap; metal-free penetration protection; textile 3D mesh lining; PU outsole; suitable for orthopedic insoles DGUV 112-191; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpvlink 25083

Article	Color	Size	Category	Closure
<b>Safety shoe Lennon</b>				
LE-8082	black	35-49	S1P	lace fastening



**Safety shoe Paul / Harrison / Ringo** LEMAITRE 

Safety shoe; upper microfiber/PUtek®; aluminum toe cap; metal-free penetration protection; breathable 3D mesh lining; shock protection on the foot tip; PU outsole; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



dpvlink 24800

Article	Color	Size	Category	Closure	Upper
<b>Safety shoe Paul / Harrison / Ringo</b>					
LE-8075	black / blue	35-49	S3	lace fastening	microfiber
LE-8078	black / yellow	35-49	S3	UTURN®	microfiber
LE-8076	black / green	35-49	S3	lace fastening	Putek®



**Safety shoe Ohmex / Faye** LEMAITRE 

Safety shoe; upper microfiber with perforations; aluminum toe cap; abrasion-resistant textile lining; PU outsole; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1 SRC

Model **Ohmex** (LE-8080) additionally with sporty, flexible TPU tip protection extending the shelf life with kneeling work and external impacts.



dpvlink 24801

Article	Color	Size	Category
<b>Safety shoe Ohmex / Faye</b>			
LE-8080	black	36-48	S1P men
LE-8081	grey	36-43	S1P women



**Safety shoe Bolt** LEMAITRE 

Safety shoe; upper microfiber; steel toe cap; metal-free penetration protection; abrasion-resistant lining; PU outsole; suitable for orthopedic insoles (DGVU 112-191); antistatic; oil-, acid- and fuel-resistant; slip-resistant. EN ISO 20345:2011 S3 SRC



dpvlink 23543

Article	Color	Size	Category	Closure
<b>Safety shoe Bolt</b>				
LE-8095	black	36-48	S3	lace fastening



**Safety shoe Space Blue** LEMAITRE 

Safety shoe; upper textile with suede; aluminum toe cap; metal-free penetration protection; abrasion-resistant textile lining; PU outsole; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



dpvlink 23540

Article	Color	Size	Category	Form
<b>Safety shoe Space Blue</b>				
LE-1985	black / blue	38-48	S3	low shoe



**Safety shoes Super X Fresh / Super X Low / Super X High** LEMAITRE 

Safety shoe; upper buffalo nubuck, reflecting appliques, steel toe cap; metal-free penetration protection; mesh lining; PU outsole; suitable for orthopedic insoles (DGVU 112-191); oil-, acid- and fuel-resistant; slip-resistant; antistatic. Super X Fresh LE-1260 EN ISO 20345:2011 S1P SRC Super X Low LE-1261 and Super X High LE-1262 EN ISO 20345:2011 S3 SRC



dpvlink 23340

Article	Color	Size	Category	Form	Closure
<b>Safety shoes Super X Fresh / Super X Low / Super X High</b>					
LE-1260	black / red	35-48	S1P	sandal	velcro fastener
LE-1261	black / red	35-48	S3	low shoe	lace fastening
LE-1262	black / red	35-48	S3	boot	lace fastening



**Insoles**

**Insole Titan** **NEU** LEMAITRE 



- antistatic insole suitable for all Lemaître shoes
- extremely high breathability
- adapts perfectly to the foot
- shock-absorbing with additional heel cushioning
- quick drying

dpvlink 25750

Article	Type	Size
<b>Insole Titan</b>		
LE-9907	Insole Titan with memory foam	35-50





**STEITZ SECURA**  
SICHERHEITSSCHUHE

**HIGH-TECH FOR YOUR FEET**

Our shoes have reduced leverage as well as multi-zone and heel absorption. That is the foundation. Added to this are special features for various occupations. Because every job presents different requirements for safety shoes. That is why we have such a great variety of models: safety shoes for all-round use, heavy-duty models with optional mid-foot protection and protection against electrostatic discharge, special shoes for foundrymen and welders, our firefighter collection, the women's line specially designed for women's feet and much more.



**SECURA VARIO® SYSTEM**

BACK PROTECTION THANKS TO INDIVIDUAL HEEL SHOCK ABSORPTION

Customized shock absorption: the replaceable, weight- and pressure-dependent heel shock absorption system ensures cushioning adapted to the individual needs of the wearer. The pressure load in the shoe is reduced to a natural extent and provides targeted relief to the back. At the same time, it helps to relieve the back in a targeted way and to significantly reduce fatigue. Models for women have the heel cushioning yellow (up to 57 kg) and green (up to 79 kg). Unisex models sizes 35-44 have the heel cushioning green (up to 79 kg) and red (up to 91 kg) or for the sizes 45-50 in red (up to 91 kg) and black (up to 105 kg).



**CLIMATE COMFORT**

NOT TOO COLD, NOT TOO WARM, JUST RIGHT

A perfect climate for your feet: With the climate comfort concept, we make sure that you will feel comfortable in your shoes for many hours. We only use climate- and skin-friendly materials to provide a pleasant-to-wear sensation. We use Gore-Tex as an effective climate-membrane. Inside the shoe you will find the heart of the STEITZ climate comfort concept, the leather insole. The sole made of genuine, vegetable-tanned leather with skin-friendly pH-value adapts individually to the foot. It also stores humidity that is carried away from the foot through our insoles. This prevents heat build-up and unpleasant sweating inside the shoe.



**VARIO MULTIFLEX®**

GET THE FEEL OF BAREFOOT WALKING

Many safety shoes influence the natural movement of the foot and limit its flexibility. The resulting leverage forces cause knee pain and back problems and can result in twisted ankles. That won't happen with us! Through intelligent adjustments to the shoe, we reduce undesired leverage forces: for example, by modifying the geometry of the outsole or reducing the sole thickness. One result of the VARIO Multiflex® technology is the multi-flexible sole.

 **ESD approved shoes**  
in accordance with EN 61340

 **Safety shoes S1**  
in accordance with EN ISO 20345

 **Safety shoes S2**  
in accordance with EN ISO 20345

 **Aluminum toe cap**

 **Metal-free toe cap**

 **Slip resistance SRC**  
in accordance with EN 13287

 **100% metal-free shoe**

 **Very lightweight shoe**

 **Exchangeable insole**

 **DGV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGV standard 112-191

 **BOA® closure system**  
for an easy fitting of the shoe

 **SECURA VARIO® system**  
weight-adapted heel shock absorption

 **VARIO MULTIFLEX®**  
Shoe construction with reduced lever arm forces supporting the natural movement of the feet

 **Genuine leather insole**  
Unique shoe climate

Safety shoes

Safety sneaker CP 43



Safety shoe; textile with high-frequency impression; composite toe cap; reinforced TPU tip protection; breathable functional lining; seamless; comfort insole with shock-absorption and excellent moisture absorption; outsole TPU Competition ESD; TPU heel edging; metal-free; EN ISO 20345:2011 S2 SRC



dpvlink 23741 

Article	Color	Size	Category
<b>Safety sneaker CP 43</b>			
SZ-CP4360	red / black	36-47	S2
SZ-CP4300	black / white	36-47	S2

Safety sneaker CP 41



Safety shoe; ultra-light microfiber; mesh element; composite toe cap; TPU tip protection; breathable functional lining; comfort insole with shock-absorption and excellent moisture absorption; suitable for orthopedic insoles; outsole TPU Competition ESD; TPU heel edging; EN ISO 20345:2011 S1 SRC



dpvlink 23746 

Article	Color	Size	Category
<b>Safety sneaker CP 41</b>			
SZ-CP4100	black / red	36-47	S1
SZ-CP4100B	black / red	36-47	S1

Safety shoe VD Pro 1000



Safety shoe; ultra-light microfiber combined with perforated design for optimal ventilation; velcro fastener; shaft appliqué; aluminum toe cap; breathable functional lining; leather insole; comfort insole with shock-absorption and excellent moisture absorption; outsole: TPU Athletic ESD; EN ISO 20345:2011 S1 SRC



dpvlink 22646 

Article	Color	Size	Category	Closure
<b>Safety shoe VD Pro 1000</b>				
SZ-VD1060	black / red	36-47	S1	velcro fastener
SZ-VD1000	black / blue	36-47	S1	velcro fastener
SZ-VD1010	black / grey	36-47	S1	velcro fastener

Safety shoe VD Pro 1100



Safety shoe; ultra-light microfiber, with large perforations; dust flap; tip protection; shaft appliqué; aluminum toe cap; breathable functional lining; leather insole; comfort insole with shock-absorption and excellent moisture absorption; outsole: TPU Athletic ESD; EN ISO 20345:2011 S1 SRC



dpvlink 22656 

Article	Color	Size	Category
<b>Safety shoe VD Pro 1100</b>			
SZ-VD1100	black / blue	36-47	S1

Safety shoe VD Pro 1200



Safety shoe; ultra-light microfiber, large perforations; dust flap; tip protection; shaft appliqué; aluminum toe cap; breathable functional lining; leather insole; comfort insole with shock-absorption and excellent moisture absorption; outsole: TPU Athletic ESD; EN ISO 20345:2011 S1 SRC



dpvlink 22662 

Article	Color	Size	Category
<b>Safety shoe VD Pro 1200</b>			
SZ-VD1200	black / blue	36-47	S1

Safety shoe VD Pro 1400



Safety shoe; ultra-light microfiber combined with perforations; aluminum toe cap; breathable functional lining; leather insole; comfort insole with shock-absorption and excellent moisture absorption; outsole: TPU Athletic ESD; EN ISO 20345:2011 S1 SRC



dpvlink 22645 

Article	Color	Size	Category
<b>Safety shoe VD Pro 1400</b>			
SZ-VD1410	black / grey	36-47	S1
SZ-VD1400	black / blue	36-47	S1
SZ-VD1460	black / red	36-47	S1

Safety shoe Ginger



Women's safety shoe; breathable functional textile with and hexagon-optics; leg appliqué, aluminum toe cap; breathable functional lining; leather insole; comfort insole with shock-absorption and excellent moisture absorption; outsole: TPU Women Sport ESD; EN ISO 20345:2011 S2 SRC



dpvlink 22673

Article	Color	Size	Category
<b>Safety shoe Ginger</b>			
SZ-WG80	black	35-42	S2



Safety shoe Frieda/Carla/Ella



Safety shoe; ultra-light microfiber combined with large ventilation structure; aluminum toe cap; breathable functional lining; genuine leather insole, comfort insole with shock-absorption and excellent moisture absorption; outsole: TPU Woman Sport ESD; EN ISO 20345:2011 S1 SRC



dpvlink 23756

Article	Color	Size	Category	Closure
<b>Safety shoe Frieda/Carla/Ella</b>				
SZ-W125	blue / white	35-42	S1	elastic
SZ-W105	blue / white	35-42	S1	velcro fastener
SZ-W135	blue / white	35-42	S1	lace fastening



Insoles

Insole Ergo-Soft ESD



- comfortable insole made of soft foam
- support of the cushioning over the entire running surface
- provides pleasant wearing comfort

dpvlink 25752

Article	Type	Size
<b>Insole Ergo-Soft ESD</b>		
SZ-Z25400	Insole Ergo-Soft ESD	35-52



The long experience gained in more than 60 years of production, combined with a constant research in innovative technologies and materials, allows FTG an unparalleled development and production.

FTG is able to satisfy highest requirements, covering the most varied environments of use.

A modern production site equipped with a system of the latest generation turns FTG into a reliable business partner capable of producing a wide range of safety shoes to satisfy all needs.

Our values guarantee safety.



In compliance with the ESD standard DIN EN 61340-5-1

We have designed our models in such way that they are very lightweight. Experiments and innovations in manufacturing allow us to produce the most lightweight footwear in the safety sector.

- ESD approved shoes**  
in accordance with EN 61340
- Safety shoes S1P**  
in accordance with EN ISO 20345
- Safety shoes S3**  
in accordance with EN ISO 20345
- Metal-free toe cap**
- Slip resistance SRC**  
in accordance with EN 13287
- Penetration protection steel**
- Penetration protection metal-free**
- 100% metal-free shoe**
- Very lightweight shoe**
- Seamless finishing**  
Footwear without any seams
- Overcap**  
Toe wear protection
- Washable shoe**
- Exchangeable insole**
- DGUV standard 112-191**  
Suitable for orthopedic insoles in accordance with DGUV standard 112-191
- BOA® closure system**  
for an easy fitting of the shoe
- Do not tumble dry**
- Tear-resistant leg**
- ThinCap - toe cap**  
light, thinner, athermic, non-metallic and non-magnetic

**Safety shoes**

**Safety sandal Charon Gemini Line** NEU  

Safety sandal; upper safety nubuck with padded leg edge; metal-free penetration protection and toe cap; PU/TPU outsole; suitable for orthopedic insoles; oil-, acid- and benzene-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



**dpvlink 25915** 

Article	Color	Size	Category	Form
<b>Safety sandal Charon Gemini Line</b>				
FT-1072	black / orange	34-48	S1P	sandal

**Safety shoes Saturn / Moon Gemini Line** NEU  

Safety shoes; upper microfiber with padded leg edge; metal-free penetration protection and toe cap; antistatic Relax insole; PU/TPU outsole; suitable for orthopedic insoles (DGVV); oil-, acid- and benzene-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



**dpvlink 25912** 

Article	Color	Size	Category	Form
<b>Safety shoes Saturn / Moon Gemini Line</b>				
FT-1071	black / orange	38-48	S1P	low shoe
FT-1076	black / orange	38-48	S1P	boot

**Safety shoes Mercury / Uranus Gemini Line** NEU  

Safety shoes; upper safety nubuck with padded leg edge; metal-free penetration protection and toe cap; PU/TPU outsole; suitable for orthopedic insoles; oil-, acid- and benzene-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



**dpvlink 25909** 

Article	Color	Size	Category	Form
<b>Safety shoes Mercury / Uranus Gemini Line</b>				
FT-1070	black / orange	34-50	S3	low shoe
FT-1075	black / orange	34-50	S3	boot

**Safety shoe Black Sport Line**  

Light safety shoe, to put on like a sock, only one seam on the heel; upper SAFETY-KNIT (special, very tear-resistant fabric); plastic toe cap; metal-free penetration protection; anatomic, antibacterial insole; PU outsole; suitable for orthopedic insoles; oil-, acid- and benzene-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC

**Fitting: due to the special design the shoes cut larger - in case of intermediate sizes always take the smaller size**



**dpvlink 23992** 

Article	Color	Size	Category	Upper	Form
<b>Safety shoe Black Sport Line</b>					
FT-1062	black	35-47	S3	polyester / nylon	low shoe
FT-1063	black	35-47	S3	polyester / nylon	boot

**Safety shoe Judo / Rugby / Kayak Sport Line**  

Safety shoe; upper microfiber or microfiber with mesh; very thin plastic toe cap; metal-free penetration protection; anatomic, antibacterial insole; PU outsole; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. Judo FT-1010 and Rugby FT-1015 EN ISO 20345:2011 S1P Kayak FT-1018 EN ISO 20345:2011 S3



**dpvlink 23424** 

Article	Color	Size	Category	Upper	Form
<b>Safety shoe Judo / Rugby / Kayak Sport Line</b>					
FT-1010	anthracite / black	35-47	S1P	microfiber / mesh	low shoe
FT-1015	anthracite / green	35-47	S1P	microfiber	low shoe
FT-1018	anthracite / light grey	35-47	S3	microfiber	low shoe

**Safety shoe Cycling Sport Line**



Safety shoe; upper stretch tex with padded leg edge; metal-free penetration protection and toe cap; anatomic, antibacterial insole; 2-density PU outsole; suitable for orthopedic insoles (DGUV); oil-, acid- and benzene-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



dpwlink 25838

Article	Color	Size	Category	Form
<b>Safety shoe Cycling Sport Line</b>				
FT-1040	black / red	38-47	S3	low shoe

**Safety shoe Frisbee / Surf Sport Line**



Safety shoe; upper mesh with padded leg edge; very thin plastic toe cap; metal-free penetration protection; anatomic, antibacterial insole; PU outsole; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P SRC



dpwlink 23350

Article	Color	Size	Category	Upper	Closure
<b>Safety shoe Frisbee / Surf Sport Line</b>					
FT-1024	black	35-47	S1P	mesh	lace fastening
FT-1025	black	35-47	S1P	mesh	velcro fastener

**Safety shoe Sixty Sport Line**



Safety shoe; upper extremely durable 3D polyester/nylon mixture; very thin plastic toe cap; metal-free penetration protection; anatomic, antibacterial insole; PU outsole; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



dpwlink 23422

Article	Color	Size	Category	Upper	Form
<b>Safety shoe Sixty Sport Line</b>					
FT-1060	black / azure	35-47	S3	polyester / nylon	low shoe
FT-1061	black / azure	35-47	S3	polyester / nylon	boot

**Safety shoe Basket Sport Line**



Safety shoe; upper microfiber with padded leg edge; very thin plastic toe cap; metal-free penetration protection; anatomic, antibacterial insole; PU/PU outsole; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3



dpwlink 23419

Article	Color	Size	Category	Closure	Form
<b>Safety shoe Basket Sport Line</b>					
FT-1050	grey	35-48	S3	lace fastening	low shoe
FT-1051	grey	38-48	S3	lace fastening / zipper	boot

**Safety shoe Squash Sport Line**



Safety shoe; upper textile with padded leg edge; very thin plastic toe cap; metal-free penetration protection; anatomic, antibacterial insole; PU/PU outsole; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P



dpwlink 23423

Article	Color	Size	Category	Upper	Form
<b>Safety shoe Squash Sport Line</b>					
FT-1041	grey	35-48	S1P	textile	low shoe

**Safety shoe Estoril / Mugello Ducati Racing**



Safety shoe; upper microfiber with padded leg edge; composite toe cap; metal-free penetration protection; anatomic, antibacterial insole; PU/PU outsole; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S1P



dpwlink 23421

Article	Color	Size	Category	Upper	Form
<b>Safety shoe Estoril / Mugello Ducati Racing</b>					
FT-6061	black / red	38-47	S1P	microfiber / mesh	low shoe
FT-6060	black / grey	38-47	S1P	microfiber / textile	low shoe

### Safety shoe Douglas / Gladiator Professional Line



Safety shoe; upper nubuck with padded leg edge; composite toe cap; metal-free penetration protection; antibacterial insole; PU/PU outsole with overcap; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3 SRC



dpvlink 23420

Article	Color	Size	Category	Upper	Form
<b>Safety shoe Douglas / Gladiator Professional Line</b>					
FT-8220	black / red	36-48	S3	nubuck	low shoe
FT-8221	black / red	36-48	S3	nubuck	boot



### Safety shoe Junkers / Firebrand Professional Line



Safety shoe; upper microfiber with padded leg edge, composite toe cap; metal-free penetration protection; antibacterial insole; microfiber /PU outsole with overcap; suitable for orthopedic insoles; oil-, acid- and fuel-resistant; slip-resistant; antistatic. EN ISO 20345:2011 S3



dpvlink 23425

Article	Color	Size	Category	Upper	Form
<b>Safety shoe Junkers / Firebrand Professional Line</b>					
FT-8210	black / blue	38-48	S3	microfiber	low shoe
FT-8211	black / blue	38-48	S3	microfiber	boot



## Insoles

### Insoles FTG



- removable, preformed ESD insoles
- washable up to 30°C
- antibacterial
- high comfort and energy consumption

dpvlink 23347

Article	Type	Size
<b>Insoles FTG</b>		
FT-0976	ESD insole Soletta Sport for Sport Lite and Ducati Racing Line	36-48
FT-0975	ESD insole Relax for models Moon and Saturn	35-48
FT-0977	ESD insole Atomic for Professional Line	36-48



## BATA INDUSTRIALS THE SAFETY SHOE

The safety shoes of Bata Industrials are characterized by excellent fitting, innovative design and best safety properties. Developing innovative solutions with new features and materials plays an important role for Bata Industrials.

With its different collections Bata also shows that safety shoes do not have to be boring. With its Radiance series Bata combines a sportive look, many functional properties and maximal protection. An example for this is the 3B Motion technology that gives the wearer an enormous increase in performance and ensure excellent wearing comfort.

In compliance with the ESD standard DIN EN 61340-5-1 



**ESD approved shoes**  
in accordance with EN 61340



**Safety shoes S1**  
in accordance with EN ISO 20345



**Safety shoes S1P**  
in accordance with EN ISO 20345



**Safety shoes S3**  
in accordance with EN ISO 20345



**Steel toe cap**



**Aluminum toe cap**



**Metal-free toe cap**



**Slip resistance SRC**  
in accordance with EN 13287



**Penetration protection metal-free**



**100% metal-free shoe**



**Very lightweight shoe**



**Overcap**  
Toe wear protection



**Vegan shoe**



**Exchangeable insole**



**DGVU standard 112-191**  
Suitable for orthopedic insoles in accordance with DGVU standard 112-191



**BOA® closure system**  
for an easy fitting of the shoe



**Shoe with Cool Comfort® textile lining**



**Shoe with a modular, ergonomic concept -**  
Walkline® EVO technology inside



**Odor-inhibiting**  
(Odor Control)



# BATA INDUSTRIALS

## THE SAFETY SHOE

### Safety shoes

#### Safety sandal Falcon ESD



Modern safety sandal with velcro fastener; upper suede; steel toe cap; lining mesh fabric; antistatic; PU/PU outsole; EN ISO 20345 S1 SRC



dpvlink 24116

Article	Color	Size	Category
<b>Safety sandal Falcon ESD</b>			
BT-60449	black / blue	35-49	S1

#### Safety shoe FIT / VIM / SPARK ESD Radiance



Safety shoe; upper textile with TPU overcap; **Radiance series**; plastic toe cap and penetration protection; metal-free; breathable lining; Premium Fit insole; Vibram® outsole of EVA and rubber; antistatic, slip-resistant



dpvlink 23812

Article	Color	Size	Category
<b>Safety shoe FIT / VIM / SPARK ESD Radiance</b>			
BT-66419	grey / black	35-47	S1P
BT-66420	black / blue	35-47	S1P
BT-66426	black / red	35-47	S1P

#### Safety shoe VIGOR / VIBE ESD Radiance



Safety shoe; upper nylon; aluminum toe cap; FlexGuard® plastic penetration protection; mesh lining with Odor Control; antistatic; PU/TPU outsole



dpvlink 24949

Article	Color	Size	Category	Closure
<b>Safety shoe VIGOR / VIBE ESD Radiance</b>				
BT-66633	black / yellow	35-47	S1P	Boa® / quick-release fastener
BT-36634	black / red	35-47	S3	Boa® / quick-release fastener

#### Safety shoe SUMM TWO / ONE ESD



Safety shoe; upper nylon; aluminum toe cap; FlexGuard® plastic penetration protection; mesh lining with Odor Control; antistatic; PU/TPU outsole; EN ISO 20345 S3 SRC



dpvlink 24781

Article	Color	Size	Category	Form
<b>Safety shoe SUMM TWO / ONE ESD</b>				
BT-63592	black / blue	38-48	S3	low shoe
BT-63591	black / blue	38-48	S3	boot

#### Safety shoe SUMM THREE / FOUR ESD



Safety shoe; upper mesh (breathable); aluminum toe cap; FlexGuard® plastic penetration protection; mesh lining with Odor Control; antistatic; PU/TPU outsole; EN ISO 20345 S1P SRC



dpvlink 25246

Article	Color	Size	Category	Closure
<b>Safety shoe SUMM THREE / FOUR ESD</b>				
BT-63594	black / lime	38-48	S1P	Boa®
BT-63593	black / blue	38-48	S1P	lace fastening

**Safety shoe LEGEND / TURN ESD FWD**



Safety shoe; upper mesh/TPU overcap; thermoplastic toe cap; FlexGuard® plastic penetration protection; Bata Cool Comfort® lining; antistatic; PU/PU outsole; EN ISO 20345 S1P SRC



**dpvlink 21325**

Article	Color	Size	Category	Closure
<b>Safety shoe LEGEND / TURN ESD FWD</b>				
BT-LEGEND-ESD	grey	38-48	S1P	Boa®

**Safety shoe GOAL / SCORE ESD FWD**



Safety shoe; upper microfiber/TPU overcap; thermoplastic toe cap; FlexGuard® plastic penetration protection; Bata Cool Comfort® lining; antistatic; PU/PU outsole; EN ISO 20345 S3 SRC



**dpvlink 21319**

Article	Color	Size	Category	Form
<b>Safety shoe GOAL / SCORE ESD FWD</b>				
BT-GOAL-ESD	black	38-48	S3	low shoe
BT-SCORE-ESD	black	38-48	S3	boot

**Safety shoes Anna Lee / Bibian**



Safety shoe; upper knitted fabric, microfiber and TPU film; aluminium toe cap; breathable lining; insoles of recycled PU foam; EVA outsole; antistatic; slip-resistant, EN ISO 20345 A E P HRO



**dpvlink 26083**

Article	Color	Size	Category
<b>Safety shoes Anna Lee / Bibian</b>			
BT-75072	green / grey	36-42	S1 women
BT-76075	green / grey	36-42	S1P women

**Safety shoe Marie**



Safety shoe; abrasion-resistant, woven textile upper; aluminium toe cap; EVA midsole; mesh lining; FlexGuard® plastic penetration protection; antistatic, EN ISO 20345 A E P HRO S3 SRC



**dpvlink 26086**

Article	Color	Size	Category
<b>Safety shoe Marie</b>			
BT-76074	green	36-42	S3 women

**Safety shoe Florence**



Safety shoe; upper full-grain leather; aluminium toe cap; EVA midsole; mesh lining; FlexGuard® plastic penetration protection; antistatic, EN ISO 20345 A E P HRO S1P SRC



**dpvlink 26088**

Article	Color	Size	Category
<b>Safety shoe Florence</b>			
BT-16071	green / grey	36-42	S1P

**Insoles**

**Insole Premium Fit**



- POLIYOU® insole with mesh top layer: breathable and antibacterial
- good shock absorption due to cushioning of heel and ball
- light foot arch support offering stability
- ESD-compliant 

**dpvlink 26061**

Article	Type	Size
<b>Insole Premium Fit</b>		
BT-90003	Insole Premium Fit	35-49



## Fußgerechte Sicherheit

**BAAK** - ESD safety shoes with sporty and modern design and high-quality processing. Newest sole technology with excellent and all-over shock absorption. Comfortable to wear due to shock-absorbing and antibacterial insoles with particularly good moisture absorption and release. Comfort due to easy-care materials and non-marking outsoles.

In compliance with the ESD standard DIN EN 61340-5-1



## Das BAAK® go&relax System

### The revolution of the safety shoe

Our innovative system has especially been developed for people wearing safety shoes for many hours a day. For this customer group a natural and functional foot load distribution is particularly important - low-fatigue walking over the whole working day.



Einfach besser laufen.

- ESD approved shoes**  
in accordance with EN 61340
- Safety shoes S1**  
in accordance with EN ISO 20345
- Safety shoes S1P**  
in accordance with EN ISO 20345
- Safety shoes S3**  
in accordance with EN ISO 20345
- Steel toe cap**
- Aluminum toe cap**
- Metal-free toe cap**
- Slip resistance SRC**  
in accordance with EN 13287
- Penetration protection metal-free**
- 100% metal-free shoe**
- Very lightweight shoe**
- Vegan shoe**
- Exchangeable insole**
- DGVU standard 112-191**  
Suitable for orthopedic insoles in accordance with DGVU standard 112-191
- BOA® closure system**  
for an easy fitting of the shoe
- Baak® go & relax system**  
Flex cap and flex zone for a healthy bending of the foot
- Knee- and back-friendly:**  
Scientifically tested

## Safety shoes

### Safety shoe Captain John / Captain Jens

Safety shoe with BOA® quick fastener; made of microfiber and nylon; nano fiberlass flexible cap; textile penetration protection; suitable for orthopedic insoles; LIEVA (liquid injected EVA) / nitrile outsole; ultra-light; all-over cushioning; very breathable; slip-resistant. EN ISO 20345:2011 S1P SRC



dpvlink 21002

Article	Color	Size	Category
<b>Safety shoe Captain John / Captain Jens</b>			
BA-5082	black / anthracite	39-48	S1P
BA-5081	black	39-48	S1P



### Safety shoe Conner

Safety shoe made of breathable textile material; nano fiberglass flexible cap; suitable for orthopedic insoles; LIEVA (liquid injected EVA) / nitrile outsole; ultra-light; all-over cushioning; very breathable; metal- and leather-free, slip-resistant. EN ISO 20345:2011 S1 SRC



dpvlink 20996

Article	Color	Size	Category
<b>Safety shoe Conner</b>			
BA-5001	grey / black	39-48	S1



### Safety shoe Herby / Harry



Safety shoe of microfiber with mesh textile insert; aluminum toe cap; suitable for orthopedic insoles; PU/PU outsole; very breathable: non-marking, slip-resistant. EN ISO 20345:2011 S1 SRC



dpvlink 21005

Article	Color	Size	Category	Closure
<b>Safety shoe Herby / Harry</b>				
BA-7008	black / blue	36-47	S1	quick-release fastener
BA-7228	black / blue	36-47	S1	velcro fastener



### Safety sandal Henry



Safety sandal with two velcro fasteners; upper cowhide suede with reflective appliqué; steel toe cap; metal-free penetration protection; suitable for the supply with insoles; PU/PU outsole, slip-resistant (non-marking). EN ISO 20345:2011 S1P SRC



dpvlink 21170

Article	Color	Size	Category
<b>Safety sandal Henry</b>			
BA-8424	black / grey	37-48	S1P



### Safety shoe Hardy/Henk



Safety shoe made of abrasion-resistant microfiber with textile elements; perforated; soft padded shaft edge; aluminium toe cap; flexible insole with penetration protection; suitable for orthopedic insoles; PU outsole with PU midsole; antibacterial, fungicidal, robust; slip-resistant. EN ISO 20345 S1P SRC  
 Sizes 36-47 in width 11; size 48 in width 13



dpvlink 19547

Article	Color	Size	Category	Closure
<b>Safety shoe Hardy/Henk</b>				
BA-7227	black / grey	36-48	S1P	velcro fastener
BA-7007	black / grey	36-48	S1P	quick-release fastener



- Special sizes 49 + 50 and other width on request -

### Safety shoe Hugo



Safety shoe; upper suede with reflective appliqué; steel toe cap; metal-free penetration protection; suitable for the supply with insoles; PU/PU outsole, slip-resistant (non-marking). EN ISO 20345:2011 S1P SRC



dpvlink 21172

Article	Color	Size	Category
<b>Safety shoe Hugo</b>			
BA-8724	black / grey	35-48	S1P



### Safety shoe Svea



Sporty safety shoe; upper nylon material with decorative TPU appliqué (abrasion-resistant and water-repellent); steel toe cap; metal-free penetration protection; suitable for orthopedic insoles, EVA/nitrile outsole, slip-resistant (non-marking). EN ISO 20345:2011 S3 SRC



dpvlink 23548

Article	Color	Size	Category
<b>Safety shoe Svea</b>			
BA-3218	black / turquoise	34-42	S3



### Safety shoe Sonja / Steve



Modern safety shoe; with nylon inserts; steel toe cap; textile penetration protection; suitable for orthopedic insoles; EVA/nitrile outsole, slip-resistant. EN ISO 20345:2011 S1P SRC

Model Sonja (BA-3219) with upper microfiber with leather optics  
 Model Steve (BA-5519) with upper cowhide suede



dpvlink 24219

Article	Color	Size	Category	Standard width
<b>Safety shoe Sonja / Steve</b>				
BA-3219	grey	35-42	S1P	10 women
BA-5519	dark grey	38-48	S1P	11 men



**Women's safety sandal Sue 2**



Safety sandal of wear-resistant microfiber, with quick fastener; padded collar; steel toe cap; PU midsole; PU/PU outsole; breathable, fungicide; slip-resistant. EN ISO 20345 S1 SRC



dpvlink 21707

Article	Color	Size	Category
<b>Women's safety sandal Sue 2</b>			
BA-32112	black / red	35-42	S1



**Safety shoe Stan / boot Stanley**



Safety shoe of breathable, water-resistant nylon with TPI appliques; composite toe cap; suitable for orthopedic insoles; EVA/nitrile outsole; full-surface shock absorption; very breathable; metal-free, slip-resistant. EN ISO 20345:2011 S3 SRC



dpvlink 24216

Article	Color	Size	Category	Form
<b>Safety shoe Stan / boot Stanley</b>				
BA-5518	black	35-48	S3	low shoe
BA-5618	black	35-48	S3	boot



**Safety shoe Sam**



Modern safety shoe; upper water-resistant nylon; composite toe cap; metal-free penetration protection; suitable for orthopedic insoles; EVA/nitrile outsole, slip-resistant (non-marking). EN ISO 20345:2011 S3 SRC



dpvlink 24770

Article	Color	Size	Category
<b>Safety shoe Sam</b>			
BA-5520	black	35-48	S3



**Safety shoe Red / Reeny**



Safety shoe made of abrasion-resistant microfiber with textile elements; perforated; soft padded shaft edge; metal- and leather-free; composite toe cap; flexible insole with penetration protection; suitable for orthopedic insoles; all-over cushioning due to EVA midsole; nitrile outsole; antibacterial; fungicidal; robust; slip-resistant; non-marking. EN ISO 20345 S1P SRC



dpvlink 19541

Article	Color	Size	Category
<b>Safety shoe Red / Reeny</b>			
BA-71502	black / red	36-48	S1P
BA-71522	black / green	36-48	S1P



**Safety shoe Rob2 / Robert2**



Safety shoe, upper robust nubuck; water-repellent; climate-regulating lining; metal- and leather-free; composite toe cap; flexible insole; suitable for orthopedic insoles; all-over cushioning due to EVA midsole; nitrile outsole; robust; slip-resistant; non-marking. EN ISO 20345 S3 SRC



dpvlink 19537

Article	Color	Size	Category	Form
<b>Safety shoe Rob2 / Robert2</b>				
BA-73442	black / grey	36-48	S3	low shoe
BA-73742	black / grey	36-48	S3	boot



- Special sizes 49 + 50 for Rob2 on request -

### Safety shoe Rick2 / Ron2



Safety shoe; upper abrasion-resistant microfiber with textile elements; metal- and leather-free; composite toe cap; suitable for orthopedic insoles; all-over cushioning due to EVA midsole; nitrile outsole; robust; slip-resistant. EN ISO 20345 S1P SRC



**dpvlink 19532**

Article	Color	Size	Category
<b>Safety shoe Rick2 / Ron2</b>			
BA-71462	blue / yellow	36-48	S1P
BA-71472	black / grey	36-48	S1P

### Safety sandal Rene2 / Rico2



Safety sandal made of microfiber with textile elements; padded shaft edge; velcro fastener; metal- and leather-free; composite toe cap; flexible insole; suitable for orthopedic insoles; antibacterial; fungicide; EVA midsole; nitrile outsole; robust; slip-resistant. EN ISO 20345 S1P SRC



**dpvlink 19531**

Article	Color	Size	Category
<b>Safety sandal Rene2 / Rico2</b>			
BA-72112	blue / yellow	36-48	S1P
BA-74112	black / grey	36-48	S1P

### Safety shoe Rui



Modern safety shoe; upper water-resistant microfiber with TPU appliqué; wide composite toe cap; resized width; textile penetration protection; suitable for orthopedic insoles; EVA/nitrile outsole, slip-resistant (non-marking). EN ISO 20345:2011 S3 SRC



**dpvlink 24224**

Article	Color	Size	Category
<b>Safety shoe Rui</b>			
BA-73181	black	36-48	S3

### Safety shoe Paul



Safety shoe made of calf suede with reflective applications; steel toe cap; textile penetration protection; suitable for orthopedic insoles; PU midsole; PU outsole with flexline for easy rolling movement; abrasion-resistant, robust, slip-resistant (non-marking). EN ISO 20345:2011 S1P SRC



**dpvlink 18286**

Article	Color	Size	Category
<b>Safety shoe Paul</b>			
BA-7003	blue / grey	38-48	S1P

**- Special sizes 49 + 50 on request -**

### Safety sandal Pit



Safety sandal made of calf suede; quick fastener; separate laces; reflective applications; steel toe cap; textile penetration protection; suitable for orthopedic insoles; PU midsole; PU outsole with flexline: abrasion-resistant, robust, slip-resistant. EN ISO 20345:2011 S1P SRC



**dpvlink 18489**

Article	Color	Size	Category
<b>Safety sandal Pit</b>			
BA-7013	blue / grey	38-48	S1P

Safety shoe Peter / boot Philipp



Safety shoe made of hydrophobic calf nubuck with reflecting appliqué; steel toe cap; textile penetration protection; exchangeable insole; suitable for orthopedic insoles; PU midsole; PU outsole with flexline for an easy roll; abrasion-resistant, robust, slip-resistant (non-marking). EN ISO 20345:2011 S3 SRC



dpvlink 18288

Article	Color	Size	Category	Form
<b>Safety shoe Peter / boot Philipp</b>				
BA-7204	black / grey	38-48	S3	low shoe
BA-7304	black / grey	38-48	S3	boot



Safety shoe Homer / Hudson



Safety shoe; made of elastic and breathable flex mesh material with closed sock construction; Baak® go&relax system; flex zone in the ball area and H-coupling element for foot-friendly bending; lightweight aluminum flex cap; suitable for orthopedic insoles; slip-resistant.



dpvlink 26259

Article	Color	Size	Category
<b>Safety shoe Homer / Hudson</b>			
BA-5203	black / blue	38-48	S1P
BA-5204	black / blue	38-48	S1P



Insoles

ESD Softstep+ insole



suitable for BAAK ESD shoes

- softly shock-absorbing insole
- correct fitting with heel cup and soft support in the metatarsus region
- breathable, conductive, antibacterial

dpvlink 25697

Article	Type	Size
<b>ESD Softstep+ insole</b>		
BA-4664	ESD Softstep+ insole women 4664	34-42
BA-4665	ESD Softstep+ insole N 4665	35-50
BA-4666	ESD Softstep+ insole XW 4666	39-50



Orthopedic insoles



Since 2007 the **DGUV standard 112-191 (formerly BGR 191)** has clearly regulated the use of orthopedic insoles in safety shoe and the individual finishing of safety shoes. According to the standard, only modifications of the safety shoe approved by a certified testing authority and attested by an EC type examination certificate are permitted.

Especially in case of shoes having to fulfill the ESD standard EN 61340-5-1, the use of certified orthopedic insoles is essential as those ensure the necessary contact and assure all in all the required ESD protection.

- Safety shoes serve the safety at work
- In these shoes only orthopedic insoles certified for the respective shoe may be used
- The certified insoles in ESD shoes ensure at the same time that the ESD function is maintained

Orthopedic insoles - it's as easy as that:



1. Check if the shoe you use is certified.
2. Request the molded foam for your footprint.
3. After receiving the molded foam create the imprint of your foot by setting your foot carefully in the molded foam.

4. Do you have a private prescription? Put it in a closed envelop and add it to the molded foam with your footprint. So, the insole can be adapted more individually and more precisely to your foot.

5. Return the molded foam with your footprint to us or give it to an orthopedic shoe technician.

When returning the molded foam, the following informations are necessary for fabricating the insoles:  
shoe model with size and name of the insole wearer

6. After shoe finishing you will receive your insole either from Orthopädie-Schuhtechnik Granget or us. So, you still wear a certified work shoe.



All shoes with this icon have been certified by the respective manufacturer according to the DGUV standard 121-191.

dpvlink 26072

Article	Type
DPV-3550.Schaum	Foam for footprint



ESD socks

ESD socks Basic



86% cotton, 12% polyester,  
1% elastane, 1% Bekinox®

- anatomically shaped footbed
- skin-friendly materials
- highly elastic, non-constricting cuffs
- washable up to 30°C
- available sizes  
36-38, 39-41, 42-43, 44-45, 46-47

dpvlink 22632



Article	Color	Size
<b>ESD socks Basic</b>		
EL-900019	black	35-50

ESD socks Perfect Fit



44% cotton, 37% Coolmax®, 15% polyamide,  
3% elastane, 1% Bekinox®

- anatomically shaped footbed
- skin-friendly materials
- climate-regulating COOLMAX® yarn
- highly elastic, non-constricting cuffs
- reinforced heel, toe and sole
- washable up to 30°C
- available sizes  
36-38, 39-42, 43-46, 47-50

dpvlink 22635



Article	Color	Size
<b>ESD socks Perfect Fit</b>		
EL-900020	black / grey	35-50

ESD socks 8201 LIGHT



50% modal, 36% nylon, 12% polyester, 1% el-  
asthan, 1% carbon fiber

- very good fit, fine
- breathable and odor-inhibiting
- protection against wet feet and abrasions
- washable up to 40°C
- available sizes  
36-38, 39-41, 42-43, 44-45, 46-47

dpvlink 19672



Article	Color	Size
<b>ESD socks 8201 LIGHT</b>		
JA-8201	black	36-47

ESD Line socks



90% polyester, 7% elastane, 3% silver treads

- Perfectly fitting and flexible socks
- conductive fibers in the heel and toe
- washable up to 40°C
- with ESD logo

dpvlink 14258



Article	Color	Size
<b>ESD Line socks</b>		
2720.4260.S	white / grey	36-38
2720.4260.M	white / grey	39-40
2720.4260.L	white / grey	41-42
2720.4260.XL	white / grey	43-45
2720.4260.XXL	white / grey	46-48

All Season COTTON ESD socks



49% cotton, 22% polyamide, 17% polyester, 9%  
acryl, 2% elastane, 1% Bekinox® (metal fibers)

- adapts to the temperature of the foot
- absorbs up to 80% moisture
- strong
- washable up to 40°C
- available sizes  
35-38, 39-42, 43-46, 47-50

dpvlink 19623



Article	Color	Size
<b>All Season COTTON ESD socks</b>		
BT-11300	grey	35-50

ESD socks COOL



All models of this collection contain Pro-Cool® oder Polyfresh®. The fiber transports the sweat from the foot to the shoe lining through the sock. This keeps the feet dry and cool preventing blister.

Sizes 35-38, 39-42, 43-46, 47-50



dpvlink 17395



Article	Color	Size
<b>ESD socks COOL</b>		
BT-10102	black / blue	35-50
BT-10101	black	35-50
BT-10100	black / grey	35-50

ESD socks



66% cotton, 31% polyamide, 2% elasthan, 1% carbon fiber

- comfortable ESD socks
- nearly seamless, no rubbing against the skin
- durable, dimensionally stable
- toe and heel area slightly padded
- color: graphite/grey
- washable up to 40°C
- available in the sizes  
36-39, 40-42, 43-46

dpvlink 24787



Article	Color	Size
<b>ESD socks</b>		
SI-99360	graphite / grey	36-46

ESD sneaker socks



40% polyamide, 42% Microlon polyamide, 14% poly-  
propylen, 2% elasthan, 2% carbon fiber

- comfortable ESD sneaker socks
- angle-high, soft socks
- toe and heel area slightly padded
- durable
- color: graphite/grey
- washable up to 40°C

available in the sizes 36-39, 40-42, 43-46

dpvlink 24789



Article	Color	Size
<b>ESD sneaker socks</b>		
SI-99372	graphite / grey	36-46

**Shoe care products**
**Fresh shoe deo spray**



Fresh shoe deo spray with long-term effect

- colorless
- long-lasting fragrance
- eco-friendly pump dispenser

**dpvlink 23170**


Article	Type
2500.B1505	<b>Shoe-Fresh Bama</b> 100 ml spray bottle
2500.B1508	<b>Trainer Fresh Bama</b> Antibacterial effect - eliminates 99.9% of bacteria 100 ml spray bottle

**Express shine sponge Bama**



BAMA express shine sponge for fast care of smooth leather shoes - shiny shoes without polishing

- specially for smooth leather
- protects and gives intensive shine
- colorless
- content: 5 ml

**dpvlink 23298**


Article	Type
2500.B1603	<b>Express shine sponge Bama, 5 ml</b>

**Fine wax care Bama**



BAMA Fine wax care for the intensive care of smooth leather shoes

- ideal for all types of smooth leather
- cares and protects sensitive and high-quality leather
- gives shine
- colorless
- content: 250 ml

**dpvlink 23300**


Article	Type
2500.B1608	<b>Fine Wax care Bama, 250 ml</b>

**Cleansing and caring foam Bama**



BAMA Cleansing and caring foam cleans and cares effectively all materials

- effective care and cleaning for all materials
- tested and recommended for breathable membranes
- removes also snow and salt stains
- colorless
- content: 300 ml

**dpvlink 23302**


Article	Type
2500.B1612	<b>Cleansing and caring foam Bama, 300 ml</b>

**Active Universal care Bama**



BAMA Active universal care cares, protects and refreshes the colors of the materials and can be used on shoes, jackets and bags

- suitable for all materials like e.g. smooth, suede and patent leather as well as synthetic materials, textile and material combinations
- tested and recommended for breathable membranes
- colorless
- content: 300 ml

**dpvlink 23304**


Article	Type
2500.B1613	<b>Active Universal care Bama, 300 ml</b>

**Impregnating spray Bama**



BAMA Universal impregnating spray protects the material from moisture and dirt

- suitable for all materials like e.g. smooth, suede and patent leather as well as synthetic materials, textile and material combinations
- tested and recommended for breathable membranes
- colorless
- content: 400 ml

**dpvlink 23306**


Article	Type
2500.B1620	<b>Impregnating spray Bama, 400 ml</b>

**Protector 3x3 WOLY**



Highly effective impregnation spray, suitable for all textiles, smooth and rough leather

- colorless
- repels oil and dirt
- recommended for shoes and textiles with climatic membrane

**dpvlink 18059**


Article	Type
2500.W1530	<b>Protector WOLY, 250 ml</b>

**High-Tech-Lotion WOLY**



Profitable care emulsion, especially made for high-tech materials like smooth leather, reptile and patent leather.

- color-untensifying, provides gloss and a comfortable grip
- fruity fresh fragrance
- suitable for all colors
- protects the material against environmental influences

**dpvlink 20342**


Article	Type
2500.W1489.N	<b>High-Tech-Lotion WOLY, 75 ml</b>

Heel grounders and overshoes

Mobile dispenser for overshoes CANMAT S-50 and S-100 

The mobile dispensers for overshoes CANMAT S-50 and S-100 were developed especially for visitors of ESD protected zones and cleanroom areas. There is no more troublesome bending down - long waiting periods of visitor groups can thus be avoided. Both CANMAT dispensers can be placed quickly and easily, everywhere.



CANMAT S-100

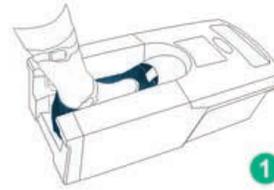


CANMAT S-50

- Ideal for large groups
- Easy filling
- Visible filling level
- High capacity
- Quick and easy handling

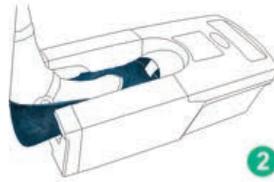


Handling:



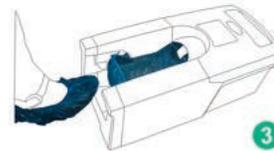
1

Put your foot on the metal plate of the CANMAT S-50 / S-100.



2

Draw your foot back while an overshoe is being fitted on over your shoe.



3

Draw your foot back until the clips have released and the overshoe has been completely put over your shoe. Then put the black grounding strap of the overshoe into your shoe - ready!

Overshoes for CANMAT S-50 and S-100 - see article number 2560.860.S110

PU/Magazine = 80 pieces, only complete PUs available

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 14716



Article	Type
2560.860.S050	<b>Mobile Dispenser CANMAT S-50</b> Capacity: 100 pieces Dimensions: 690 x 320 x 230mm (LxWxH) Weight: 8.6 kg
2560.860.S100	<b>Mobile Dispenser CANMAT S-100</b> Capacity: 200 pieces Dimensions: 740 x 310 x 900 mm (LxWxH) Weight: 18 kg

Disposable overshoes ESD for CANMAT S-50 and S-100 



Disposable overshoes ESD with contact strap

- for CANMAT S-50 or CANMAT S-100
- **slip- and water-resistant**
- white
- one size fits all 35-48
- PU magazine = 80 pieces



In compliance with the ESD standard DIN EN 61340-5-1 

dpvlink 23857



Article	Type
2560.860.S110	Disposable overshoes ESD for CANMAT S-50 and S-100

Further overshoes, also as non-ESD version, available on request.

Disposable overshoes



- Disposable overshoe for outdoor shoes
- with contact strap
- Eco 300 PU = 120 pieces / bag (60 pairs)
- Premium 400 PU = 100 pieces / bag (50 pairs)

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 118

Article	Type	Size	Color
2560.830.1.60	Eco 300	35-48	light blue
2560.835.1.50	Premium 400	35-47	light blue



Reusable overshoe type PCR-125



- Reusable overshoe for outdoor shoes
- outsole made of conductive rubber material
- **anti-slip profile**
- contact strap with conductive carbon coating (exchangeable)
- PU = 1 pair

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 21219

Article	Type	Size	Color
2760.PCR125.1	Reusable overshoe type PCR-125 size 1	35-39	white
2760.PCR125.2	Reusable overshoe type PCR-125 size 2	40-43	white
2760.PCR125.3	Reusable overshoe type PCR-125 size 3	44-48	white



Replaceable contact strap for reusable overshoes type PB 120 and type PCR-125

dpvlink 8290

Article	Type
2760.PB120.40	Replaceable contact strap PU= 100 pieces



Overshoes



- Cleanroom overshoe
- ankle-high
- elastic band
- upper integrity 1750 antibacterial
- synthetic leather outsole

In compliance with the ESD standard DIN EN 61340-5-1



dpvlink 10145

Article	Type	Size	Color
1000.3900.36-37	Overshoes size 1	36-37	white
1000.3900.38-39	Overshoes size 2	38-39	white
1000.3900.40-43	Overshoes size 3	40-43	white
1000.3900.44-46	Overshoes size 4	44-46	white
1000.3900.47-48	Overshoes size 5	47-48	white
1000.3910.36-37	Overshoes size 1	36-37	light blue
1000.3910.38-39	Overshoes size 2	38-39	light blue
1000.3910.40-43	Overshoes size 3	40-43	light blue
1000.3910.44-46	Overshoes size 4	44-46	light blue
1000.3910.47-48	Overshoes size 5	47-48	light blue



Reusable overshoe Type PB-120



- Reusable overshoe for outdoor shoes
- upper material of 98% polyester and 2% conductive yard
- outsole made of conductive rubber material
- contact strap with conductive carbon coating (exchangeable)
- PU = 5 pairs/bag

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 8286

Article	Type	Size	Color
2760.PB120.1	Reusable overshoe type PB-120 size 1	35-39	white
2760.PB120.2	Reusable overshoe Type PB-120 size 2	40-43	white
2760.PB120.3	Reusable overshoe Type PB-120 size 3	44-48	white



### Overshoes



- Grounding system for outdoor shoes
- upper polyamide
- washable by hand up to 30°C
- synthetic rubber outsole
- conductive contact strap with internal snap

In compliance with ESD standard DIN EN 61340-5-1 



#### dpvlink 113

Article	Type	Size	Color	
2560.801	Overshoes	36-42	white	
2560.802	Overshoes	42-48	white	

### Disposable heel grounder



Conductive polyester strap, self-adhesive, for visitors with normal outdoor shoes or boots, yellow/black.

In compliance with the ESD standard DIN EN 61340-5-1 

#### dpvlink 121

Article	Type	L [mm]	
2560.894	Pack with 100 heel grounders	300	
2560.894.600	Pack with 100 heel grounders	600	

### Wall-mounted container for disposable heel grounders



Screw-on wall mount made of plastic for always handy disposable heel grounders



#### dpvlink 5862

Article	Type	
2560.894.H	Wall-mounted container for disposable heel grounders 300 mm	
2560.894.H-600	Wall-mounted container for disposable heel grounders 600 mm	

### Permanent heel grounder for visitors



Permanent heel grounder with clip closure for visitors with exchangeable contact strips, with snap fastener. 1 MOhm safety resistance. 



#### dpvlink 110

Article	Type	
2560.893.R.blue	<b>Permanent heel grounder</b> with snaps for contact stripes, clip closure (incl. contact stripes)	
2560.893.R.red	<b>Permanent heel grounder</b> with snaps for contact stripes, clip closure (incl. contact stripes)	

### Contact strips



- replacement contact strips ESD
- textile and carbon
- snap 10 mm

In compliance with the ESD standard DIN EN 61340-5-1 

#### dpvlink 5863

Article	Type	
2560.893.R.050	<b>Contact strips PU = 50 pieces</b> Length 50 cm	
2560.893.R.100	<b>Contact strips PU = 25 pieces</b> Length 100 cm	

### Permanent heel grounder with velcro fastener



Permanent heel strap for men and women with velcro fastener. Usable for outdoor shoes with flat heel. 1 MOhm safety resistance. 



#### dpvlink 104

Article	Closure	Color	
2560.890	<b>Permanent heel grounder with velcro fastener</b> velcro fastener	red / blue	

### Permanent heel grounder D-ring



Permanent heel grounder, D-ring with velcro fastener and large contact surface in the heel area; 1 MOhm safety resistance. 



#### dpvlink 12945

Article	Closure	Color	Contact strip length	
2560.890.HGS	<b>Permanent heel grounder D-ring</b> velcro fastener	red / black	400 mm	

**Permanent heel grounder with clip closure** 

Permanent heel strap for men and women with clip closure, usable for outdoor shoes with flat heel.

1 MOhm/1.5 MOhm safety resistance. 



**dpvlink 13877**

Article	Closure	Color	Contact strip length
<b>Permanent heel grounder with clip closure</b>			
2560.890.2	Clip closure	blue / black	400 mm
2560.890.2R	Clip closure	red / black	400 mm
2560.890.3G	Clip closure	neon yellow / black	450 mm
2560.890.3G-90	Clip closure	neon yellow / black	900 mm



**Women's permanent toe grounder** 

Permanent toe grounder for outdoor shoes with high heel.

1 MOhm / 1.5 MOhm safety resistance. 



**dpvlink 107**

Article	Closure	Color	Contact strip length
<b>Women's permanent toe grounder</b>			
2560.891	Standard	black / grey	510 mm
2560.891.2R	velcro fastener	red	510 mm
2560.891.3G	Clip closure	black / yellow	600 mm



**Permanent sole grounder women / men** 

Permanent sole grounder with velcro fastener and large contact surface in heel and ball area.

1 MOhm safety resistance. 



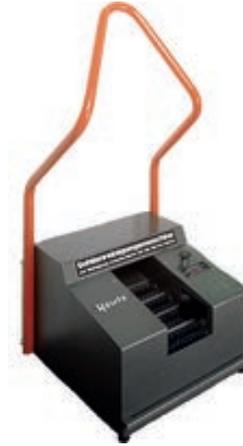
**dpvlink 19027**

Article	Type	Size	Contact strip length	L [mm]
<b>Permanent sole grounder women / men</b>				
2560.SG1.S	Small	34-37	168 mm	160
2560.SG1.M	Medium	38-41	185 mm	165
2560.SG1.L	Large	42-45	210 mm	170
2560.SG1.XL	Extra large	46-50	228 mm	175



**Sole cleaning**

**SOLAMAT 90** 



Four counter-rotating wheel brushes clean the soles from underneath. Two lateral disk brushes clean the edges of the soles. The brushed-off dirt falls into a large drawer at the bottom of the device. This drawer can be removed and cleaned easily.

**Technical data:**

Drive: round belt drive  
 Colors: Standard agate grey RAL 7038 / ESD graphite RAL 7022  
 Dimensions (W x D x H): 460 x 560 x 1140 mm  
 Brushes: 4 nylon wheel brushes ESD / 2 nylon disk brushes  
 Weight: 43 kg  
 Aperture priority: 1 min  
 Power supply: 230 V (optionally 110 V)

**dpvlink 7737**

Article	Type
2599.090.ESD	<b>SOLAMAT 90 ESD</b>



**SOLAMAT 100/ 200** 



Four wheel brushes clean the soles, while the two lateral disk brushes clean the edges of the shoes. The uppers are cleaned by a third brush. The brushed-off dirt falls into a large drawer that can be cleaned easily. A round belt drive ensures a powerful brushing while running smoothly at the same time.

**SOLAMAT 200:**

Like the SOLAMAT 100 it is equipped with an additional exhaust and filtering system placed inside the upper part of the case. Dust and aerosols are sucked into the upper part by means of under-inflation and they are collected by a filter. Cleaned air exits via a grid at the rear side of the case.

**Technical data:**

Colors: Standard agate-grey RAL 7038 / ESD graphite RAL 7022  
 Dimensions (W x D x H): 460 x 600 x 1100 mm  
 Brushes: 4 nylon wheel brushes ESD / 2 nylon disk brushes / 1 horsehair top brush  
 Weight: 65 kg  
 Power supply: 50 Hz, 0,18KW, 230 V, 1.6A, IP 54  
 (Option 110 V - without additional charge)  
 650 U/min (for brush gear, placed underneath)

**dpvlink 15587**

Article	Type
2599.100.ESD	<b>SOLAMAT 100 ESD</b>
2599.200.ESD	<b>SOLAMAT 200 ESD</b>



## Tacky mats

In controlled ESD areas and cleanrooms, the use of **tacky mats** or **adhesive mats** has proven its worth as an ideal tool for cleaning shoe soles and cart wheels. Whether they are used in the semiconductor, pharmaceutical or also in electronic industries, adhesive mats are an **useful barrier against dust**.



You have the choice between disposable peel-off mats or permanently tacky mats. Both types have such an **adhesive force** that only dust and other particles stick on the mat.

### Tacky mats permanent



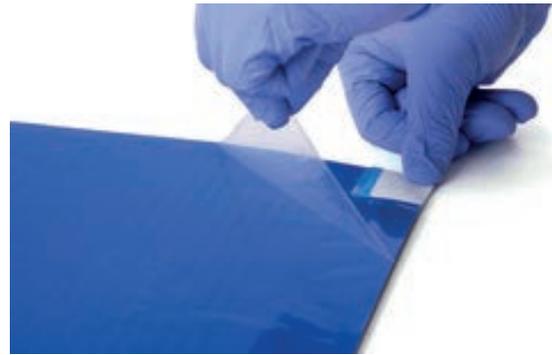
Permanently tacky mat; cleanable only with warm water, mat regains its adhesive properties after drying.

#### dpvlink 442

Article	W [mm]	L [mm]	Thickness [mm]
1000.105.3	1200	600	3
1000.106.3	1000	1000	3
1000.105.5	1200	600	6
1000.106.5	1000	1000	6



## Foil tacky mats 30 layers



Foil tacky mats with high adhesive force, 30 layers with sequential numbering, in case of decreasing adhesive force, just remove the dirty foil, the new foil is immediately ready for use.

#### dpvlink 437

Article	W [mm]	L [mm]	Color
1000.030.1	1140	460	white / transparent
1000.030.3	1140	610	white / transparent
1000.030.1.blau	1140	460	blue
1000.030.3.blau	1140	610	blue



### Accessories for foil tacky mats



#### Frame for mat size 1140 x 610 mm

- rubber frame to edge foil tacky mats
- sloping edges
- cut-out inner part
- easy insertion of the mats
- ideal for sliding
- height 2 to 5 mm
- edge width 70 mm
- color dark grey

#### dpvlink 23849

Article	Accessories for foil tacky mats
1000.030.3.R	Frame for foil tacky mat 1000.030.3



EPAwear® Work coat

**EPAwear® work coats - highest quality for optimal ESD protection in electronics manufacturing**

EPAwear® work coats of the WhiteLine plus, GreyLine plus and BlueLine plus series have specially been designed for the requirements in electronics manufacturing



Systems against electrostatics

- ESD safety according to DIN EN 61340-5-1
- high-quality processing
- double seams for stability and continuous conductivity
- covered snap fastener
- conductive mixed cotton fabric 150 g/m<sup>2</sup> (67% polyester, 31% cotton, 2% conductive yarn)
- fabrics fulfill Öko-Tex 100 Standard

- very comfortable to wear
- breathable and lightweight
- hard-wearing and durable
- easy-care
- machine washable up to 60°C
- 3 models: 3/4 design with long sleeves, 1/2 design with long sleeves, 1/2 design with short sleeves



**Quality is important to us!**

Made in Europe - we attach importance to high quality of manufacture and use high-quality fabrics. The used fabrics have been tested over many years and ensure optimal characteristics even after frequent washing. They are machine washable up to 60°C, colorfast, easy to care and largely crease-resistant. Double seams ensure longer life

and continuous conductivity even after prolonged used. The used materials comply with the Öko-Tex 100 standard.



Our clothes have especially been developed for the requirements in electronics manufacturing. All products marked with this sign are tested by the Sächsischen Textilforschungsinstitut e.V (stfi) according to EN 61340-5-1.



**Inscription according to your wishes**

- transfer printing
- embroidered label
- direct embroidery

**Further information about the labeling of workwear with your company logo is available under [dpv/link 7257](#)**

WhiteLine plus EPAwear®

Work coat WhiteLine plus WL-185



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat WhiteLine plus 185 is available in 3 designs:



3/4 design, long sleeves



1/2 design, long sleeves



1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, white pocket piping, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 2% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL

dpwlink 23765

Article	Type	Sleeve length	Size
<b>Work coat WhiteLine plus WL-185</b>			
2710.WL185-P	3/4 design	long sleeves	XS-4XL
2711.WL185-P	1/2 design	long sleeves	XS-4XL
2712.WL185-P	1/2 design	short sleeves	XS-4XL



Work coat WhiteLine plus WL-180



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat WhiteLine plus 180 is available in 3 designs:



3/4 design, long sleeves



1/2 design, long sleeves



1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, dark blue pocket piping, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 2% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL

dpwlink 23771

Article	Type	Sleeve length	Size
<b>Work coat WhiteLine plus WL-180</b>			
2710.WL180-P	3/4 design	long sleeves	XS-4XL
2711.WL180-P	1/2 design	long sleeves	XS-4XL
2712.WL180-P	1/2 design	short sleeves	XS-4XL



Work coat WhiteLine plus WL-181



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat WhiteLine plus 181 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, dark blue pocket piping, grey edging, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 2% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL

[dpvlink 23772](#)

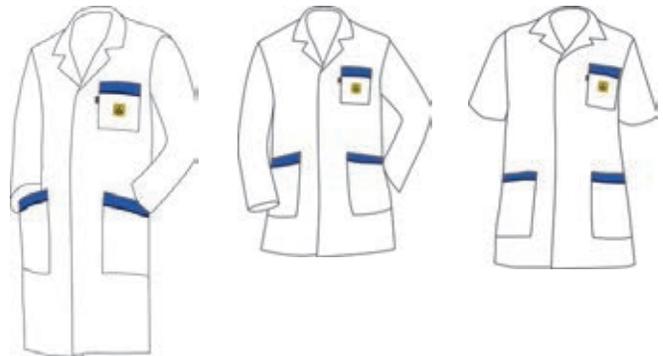
Article	Type	Sleeve length	Size
<b>Work coat WhiteLine plus WL-181</b>			
2710.WL181-P	3/4 design	long sleeves	XS-3XL
2711.WL181-P	1/2 design	long sleeves	XS-4XL
2712.WL181-P	1/2 design	short sleeves	XS-4XL

Work coat WhiteLine plus WL-182



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat WhiteLine plus 182 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, dark blue pocket piping, blue edging, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 2% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL

[dpvlink 23773](#)

Article	Type	Sleeve length	Size
<b>Work coat WhiteLine plus WL-182</b>			
2710.WL182-P	3/4 design	long sleeves	XS-3XL
2711.WL182-P	1/2 design	long sleeves	XS-4XL
2712.WL182-P	1/2 design	short sleeves	XS-4XL



WhiteLine plus Woman

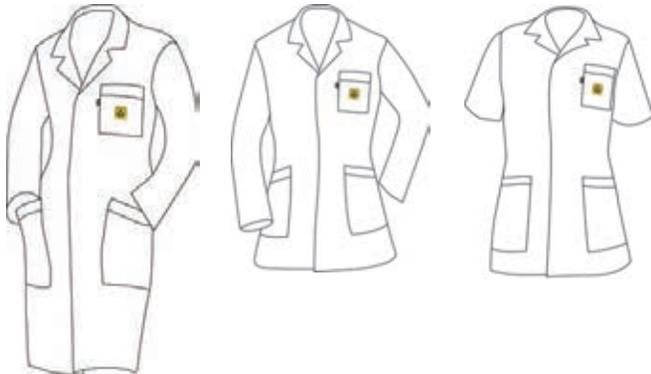
Work coat WhiteLine plus Woman WLW-175 



The WhiteLine women's coat always makes you look good by its figure-hugging cut; for a perfect wearing comfort due to a high-quality finish and maximum mobility.

- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The women's work coat WhiteLine plus Woman 175 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves

All models with 2 side pockets, breast pocket with woven ESD symbol, white pocket piping, lapel collar and continuously covered snap fastener.



Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 2% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL

**dpvlink 24196**

Article	Type	Sleeve length	Size
<b>Work coat WhiteLine plus Woman WLW-175</b>			
2710.WLW175-P	3/4 design	long sleeves	XS-3XL
2711.WLW175-P	1/2 design	long sleeves	XS-3XL
2712.WLW175-P	1/2 design	short sleeves	XS-3XL



GreyLine plus

Work coat GreyLine plus GL-185 



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat GreyLine plus 185 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, grey pocket piping, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 2% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL

**dpvlink 24833**

Article	Type	Sleeve length	Size
<b>Work coat GreyLine plus GL-185</b>			
2720.GL185-P	3/4 design	long sleeves	XS-4XL
2721.GL185-P	1/2 design	long sleeves	XS-4XL
2722.GL185-P	1/2 design	short sleeves	XS-4XL



Work coat GreyLine plus GL-180



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat GreyLine plus 180 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, orange pocket piping, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 3% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1

Available sizes: XS, S, M, L, XL, XXL, 3XL

**dpvlink 24834**

Article	Type	Sleeve length	Size
<b>Work coat GreyLine plus GL-180</b>			
2720.GL180-P	3/4 design	long sleeves	XS-3XL
2721.GL180-P	1/2 design	long sleeves	XS-3XL
2722.GL180-P	1/2 design	short sleeves	S-3XL



Work coat GreyLine plus GL-186



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat GreyLine plus 186 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, dark grey pocket piping, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 3% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1

Available sizes: XS, S, M, L, XL, XXL, 3XL

**dpvlink 24836**

Article	Type	Sleeve length	Size
<b>Work coat GreyLine plus GL-186</b>			
2720.GL186-P	3/4 design	long sleeves	XS-3XL
2721.GL186-P	1/2 design	long sleeves	XS-3XL
2722.GL186-P	1/2 design	short sleeves	XS-3XL



BlueLine plus

Work coat BlueLine plus BL-180



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat BlueLine plus 180 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, dark blue pocket piping, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 3% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL

dpvlink 24837

Article	Type	Sleeve length	Size
<b>Work coat BlueLine plus BL-180</b>			
2730.BL180-P	3/4 design	long sleeves	XS-4XL
2731.BL180-P	1/2 design	long sleeves	XS-4XL
2732.BL180-P	1/2 design	short sleeves	XS-4XL



Work coat BlueLine plus BL-181



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat BlueLine plus 181 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



All models with 2 side pockets, breast pocket with woven ESD symbol, orange pocket piping, lapel collar and continuously covered snap fastener.

Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 3% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL

dpvlink 24838

Article	Type	Sleeve length	Size
<b>Work coat BlueLine plus BL-181</b>			
2730.BL181-P	3/4 design	long sleeves	XS-4XL
2731.BL181-P	1/2 design	long sleeves	S-3XL
2732.BL181-P	1/2 design	short sleeves	S-3XL



BlueLine plus Woman

Work coat BlueLine plus Woman



- very comfortable to wear
- hard-wearing and durable
- breathable and lightweight
- optimal ESD protection

The unisex work coat BlueLine plus Woman 175 is available in 3 designs:



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves

All models with 2 side pockets, breast pocket with woven ESD symbol, dark blue pocket piping, lapel collar and continuously covered snap fastener.



Mixed fabric, weight 150 g/m<sup>2</sup>  
67% polyester, 31% cotton and 3% conductive yarn  
Machine washable up to 60°C

In compliance with ESD standard DIN EN 61340-5-1

Available sizes: XS, S, M, L, XL, XXL, 3XL

dpvlink 24839



Article	Type	Sleeve length	Size
<b>Work coat BlueLine plus Woman</b>			
2730.BLW175-P	3/4 design	long sleeves	XS-3XL
2731.BLW175-P	1/2 design	long sleeves	XS-3XL
2732.BLW175-P	1/2 design	short sleeves	XS-3XL

DPV Quality label

The dissipative work coats of the WhiteLine plus, GreyLine plus and BlueLine plus collections offer a reliable protection against electrostatic charge according to DIN EN 61340-5-1: 2008-07 and are comfortable to wear. The high-quality, breathable and specially finished mixed fabric consists of 67% polyester, 31% cotton and 2% conductive yarn. Machine washable up to 60°C.



Safety and quality

The DPV label guarantees highest safety and quality. The fabrics are manufactured in Europe and processed only in Germany. The dissipative EPAwear® work coats offer a reliable protection against electrostatic charge according to DIN EN 61340-5-1: 2008-07. A prudent warehousing and foresighted purchase allow us to offer high-quality products at fair prices. Top conditions for high standard!

Fabric quality and processing

Even after frequent washing, the clothes retain their original shape, are tear-resistant and dissipative. The clothes are sewn with conductive yarn. The formation of knots is avoided. Even in case of a constant use a long durability of the material is possible.

Wearing properties

The proportion of cotton offers a particularly pleasant wearing comfort, the polyester makes the clothes largely wrinkle-resistant. The conductive yarn prevents static charges of the clothing.

Oeko-Tex standard 100 class III.

The materials are tested by means of internationally binding catalogs according to Eco-Tex® 100. This is based on scientific parameters, and is updated to the current state of the legislation and scientific research annually.

The criteria in details are:

- legally prohibited substances such as carcinogenic dyes
- legally regulated substances such as formaldehyde, softeners, heavy metals or pentachlorophenol
- still legally regulated or prohibited substances that, according to the latest knowledge, are however harmful to health, such as pesticides, allergenic dyes or organic tin compounds
- parameters such as color fastness and a skin-friendly pH value that help the health care of the consumer

Further information can be found on [www.oeko-tex.com](http://www.oeko-tex.com)

MyLine plus

Work coat MyLine plus



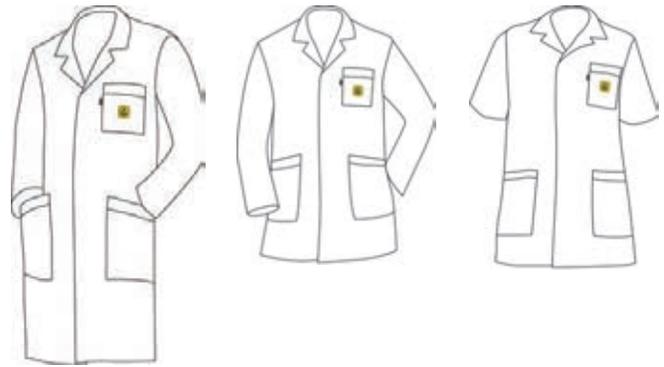
You haven't found your coat in your wished color combination yet? In this case the MyLine plus collection offers you the possibility to give the work coat your personal touch. The coat colors of the series WhiteLine plus and GreyLine plus can be combined with a colored piping that can be chosen from the below-mentioned color palette.

The work coat is also available in 3 designs:

- 3/4 design, long sleeves
- 1/2 design, long sleeves
- 1/2 design, short sleeves

The high-quality, breathable and specially refined mixed fabric consists of 67% polyester, 31% cotton and 2% conductive fibers. Machine washable up to 60°C. Weight 150 g/m<sup>2</sup>.

**Please indicate the desired piping color with every order!**



3/4 design, long sleeves

1/2 design, long sleeves

1/2 design, short sleeves



Standard color codes for pipings

Please indicate when placing an order. *Example:* 2721.MyLine-P.K711.S



- Weitere Biesenfarben auf Anfrage -

**dpvlink 25095**

Article	Type	Sleeve length	Color	Size	
<b>Work coat MyLine plus</b>					
2710.MyLine-P	3/4 design	long sleeves	white	XS-3XL	
2711.MyLine-P	1/2 design	long sleeves	white	XS-3XL	
2712.MyLine-P	1/2 design	short sleeves	white	XS-3XL	
2720.MyLine-P	3/4 design	long sleeves	grey	XS-3XL	
2721.MyLine-P	1/2 design	long sleeves	grey	XS-3XL	
2722.MyLine-P	1/2 design	short sleeves	grey	XS-3XL	

Work coat ECO-180

The conductive coat ECO-180 protects you against electrostatic charge and the top finish offers you a pleasant wearing comfort. The work coat consists of 68% polyester, 30% cotton and 2% carbon fiber. Machine washable up to 60°C.

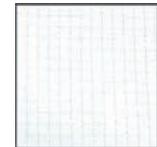
In compliance with the ESD standard DIN EN 61340-5-1 



Work coat ECO-180



Short coat with long sleeves, **white**, with 2 lateral pockets, breast pocket with woven ESD warning symbol, light grey pocket piping (breast pocket), lapel collar and completely covered snap fastener.



Short coat with long sleeves, **grey**, with 2 lateral pockets, breast pocket with woven ESD warning symbol, dark grey pocket piping (breast pocket), lapel collar and completely covered snap fastener.



Short coat with long sleeves, **light blue**, with 2 lateral pockets, breast pocket with woven ESD warning symbol, light grey pocket piping (breast pocket), lapel collar and completely covered snap fastener.



Material: 68% polyester, 30% cotton and 2% carbon fibers; 5 mm grid

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL, 5XL

[dpvlink 19660](#)

Article	Type	Sleeve length	Color	Size
2701.ECO180	1/2 design	long sleeves	white	XS-5XL
2702.ECO180	1/2 design	long sleeves	grey	XS-5XL
2703.ECO180	1/2 design	long sleeves	light blue	XS-5XL



further designs on request

## Company logos / Emblem service



We affix your company logo on all work clothes at a reasonable price.



### Transfer printing

Motifs and colors are reversed and printed on transfer papers or foils. The foils are then transferred to the textiles.

- Especially recommended in case of complex company logos and images.
- Separate motifs in all colors and color gradients possible.
- Very durable bond with garment due to adhesive layer
- Suitable for elastic fabrics
- Minimum order quantity 25 pieces

### Embroidered labels

Embroidered labels with logo or letterings have a high-quality appearance. The thermal procedure assures a durable bond between the label and the garment.

- Recommendable for simple letterings and logos
- Suitable for all kind of textiles
- Noble surface
- Minimum order quantity 25 pieces

### Direct embroidery

The direct embroidery convinces with its optics as well as the feel of embroidery. The especially robust and durable embroideries can be directly felt.

- Recommendable for simple letterings and logos
- Especially suitable for firm fabrics
- Very robust and durable
- Minimum order quantity 25 pieces.

For an individual offer, we only need your company logo in a common graphics format (jpg, tif, eps, bmp,...) and, if possible, the color range. Before each order you will obtain a galley proof of the logo.

Send us a template and we will submit you an offer.

[dpvlink 7257](#)



Article

#### Company logos / Emblem service

2694.1.Transfer95+	Transfer printing
2691.1.Sticklabel	Embroidered label
2693.1.Stick	Direct embroidery

## Embroidered label / patch with name



- Patch for cotton and mixed fabric
- stitched on a textile surface with edging
- Color according to arrangement.

[dpvlink 8567](#)



Article

2691.5.Namen.	<b>Embroidered label / patch with name</b> approx. 90 x 20 mm
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### EPChair® ESD work swivel chairs

EPChair® ESD swivel chairs assure ergonomics and ESD safety at the workstation. Carefully selected materials and components ensure a high quality. All models are produced in Germany.

Different models, options, upholsteries and colors allow for an optimal integration into the respective working environment.



#### Highlights EPChair® ESD work swivel chairs

- Made in Germany
- ESD-compliance according to DIN EN 61340-5-1
- Large model selection: from the standing aid to the ergonomic work swivel chair
- Optimal adjustment to different seating requirements
- Large variety of ESD-compliant upholsteries and colors




For further information are available under [dpvlink 20722](#).

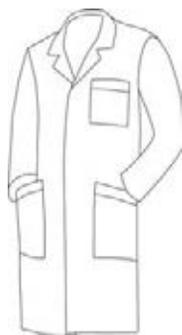
**Work coat AM-161 plus**

The dissipative work coat AM-161 plus offers a reliable protection against electrostatic charge and is comfortable to wear. The high-quality, light (weight 160g/m<sup>2</sup>), breathable and specially finished mixed fabric consists of 63% polyester, 35% cotton and 2% conductive yarn. Machine washable up to 60°C.

Entspricht der ESD-Norm DIN EN 61340-5-1 



1/2 design, short sleeves



3/4 design, long sleeves



Our clothes have especially been developed for the requirements in electronics manufacturing. All products marked with this sign are tested and certified by the Sächsischen Textilforschungsinstitut e.V (stfi) according to EN 61340-5-1.

**Work coat AM-161 plus standard**



Long sleeves, 3/4 design, with 2 side pockets, breast pocket with woven ESD symbol, continuously covered snap fastener.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL, 5XL

[dpvlink 16344](#)



Article	Color	Size
<b>Work coat AM-161 plus standard</b>		
2610.AM161	white	XS-5XL
2630.AM161	blue	XS-5XL

**Work coat AM-161 plus with short sleeves**



Short sleeves, 1/2 design (short coat), with 2 side pockets, breast pocket with woven ESD symbol, continuously covered snap fastener. The model in white/blue has a collar and a breast pocket of contrasting blue.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL, XXL, 3XL, 4XL

[dpvlink 16348](#)



Article	Color	Size
<b>Work coat AM-161 plus with short sleeves</b>		
2640.AM161-K	white / blue	S-4XL
2641.AM161-K	white	S-4XL
2642.AM161-K	blue	S-4XL

**Work coat AM-140**

The dissipative coat AM-140 offers a reliable protection against electrostatic charge and is comfortable to wear. The high-quality, light, breathable and specially finished mixed fabric consists of 63% polyester, 34% cotton and 3% conductive yarn. Machine washable up to 60°C. Weight 140 g/m<sup>2</sup>.



3/4 design, long sleeves



3/4 design, short sleeves

**Work coat AM 140 with long sleeves**



Long sleeves, 3/4 design with 2 side pockets, breast pocket with woven ESD symbol, continuously covered snap fastener.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL

**dpvlink 5812**



Article	Color	Size
<b>Work coat AM 140 with long sleeves</b>		
2610.AM140	white	XS-4XL
2630.AM140	blue	XS-4XL

**Work coat AM140-K short sleeves**



Short sleeves, 3/4 design with 2 side pockets, breast pocket with woven ESD symbol, continuously covered snap fastener.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL

**dpvlink 1374**



Article	Color	Size
<b>Work coat AM140-K short sleeves</b>		
2610.AM140-K	white	XS-3XL
2630.AM140-K	blue	S-3XL

**Work coat AM-120**

The dissipative coat AM-120 offers a reliable protection against electrostatic charge and is comfortable to wear. The high-quality, very light polyester fabric is made of 98% polyester and 2% conductive yarn. Machine washable up to 40°C. Weight 120 g/m<sup>2</sup>.

**Work coat AM-120** 



Long sleeves, 3/4 design with 2 side pockets, conductive 4 mm grid, polyester fabric (98% polyester, 2% carbonized yarn), breast pocket with woven ESD symbol, continuously covered snap fastener. Machine washable up to 40°C, weight 120 g/m<sup>2</sup>. Suitable for clean production areas.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL, XXL, 3XL

dpvlink 8294			QR
Article	Color	Size	
<b>Work coat AM-120</b>			
2760.AM120	white	S-3XL	

**Reusable cap Type HB 120** 



- Reusable cap
- color white
- material: 98% polyester, 2% carbonized yarn
- suitable for clean production areas
- cleanroom class 100 (ISO 5)
- PU = 10 pieces

In compliance with the ESD standard DIN EN 61340-5-1 

dpvlink 8291			QR
Article	Type	Color	
2760.HB120	Reusable cap Type HB-120	white	



You find suitable **reusable overshoes type PB-120** made of the same material under **dpvlink 8286**.

**AM-110 extra lightweight**

**Work coat AM-110 extra lightweight** 



Long sleeves, 3/4 design, with 2 side pockets, conductive 4-mm grid, dissipative cotton mixed fabric (50% polyester, 47% cotton, 3% carbonized yarn), breast pocket with embroidered ESD logo, snap fastener, machine washable up to 60°C, weight 110g/m<sup>2</sup>. Suitable for clean production areas.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL, 3XL, 4XL, 5XL

dpvlink 21215			QR
Article	Color	Size	
<b>Work coat AM-110 extra lightweight</b>			
2760.AM110	white	XS-3XL	
2760.AM110-1.4XL	white	4XL	
2760.AM110-1.5XL	white	5XL	

Workwear GreyLine 180

ESD overalls GreyLine



- Overalls with elastic suspenders
- rear overall pocket with zipper
- zipped fly
- 2 pouch pockets
- fly in contrasting light grey
- double folding ruler pocket
- stretch insert

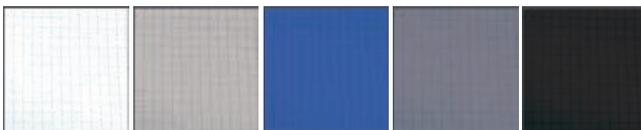
In compliance with ESD standard DIN EN 61340-5-1 

Material: 65% polyester, 33% cotton, 2% carbon fibers

Available sizes: 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 90, 94, 98, 102, 106, 110

You cannot find the suitable image clothing for your company in our product range? Please, don't hesitate to contact us. Special manufacture and other colors are possible.

Individual manufacture is possible for 250 pieces and more.



dpvlink 21412

Article	Color	Fabric weight g/qm	Size
<b>ESD overalls GreyLine</b>			
2780.GL813	graphite	180	42-64
2780.GL813-1	graphite	180	90-110



ESD jacket GreyLine



- 2 breast pockets
- 2 pockets
- one inside pocket
- pocket for mobile phone
- blouson with turn down collar
- rear and front yoke in light grey
- yellow contrast stripe between rear and front yoke
- pleat in the back for better movement
- width-adjustable snaps

In compliance with the ESD standard DIN EN 61340-5-1 

Material: 65% polyester, 33% cotton, 2% carbon fibers

Available sizes: 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64

dpvlink 21406

Article	Color	Fabric weight g/qm	Size
<b>ESD jacket GreyLine</b>			
2780.GL824	light grey	180	42-64



ESD work trousers GreyLine



- 2 pouch pockets
- fly in contrasting color
- leg gathers width-adjustable by snap
- fly with zipper
- reinforced back pocket
- double folding ruler pocket
- width-adjustable snaps

In compliance with the ESD standard DIN EN 61340-5-1 

Material: 65% polyester, 33% cotton, 2% carbon fibers

Available sizes: 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 90, 94, 98, 102, 106, 108, 110

dpvlink 21408

Article	Color	Fabric weight g/qm	Size
<b>ESD work trousers GreyLine</b>			
2780.GL803	graphite	180	42-62
2780.GL803-1	graphite	180	90-110



ESD men's work coat GreyLine



- work coat with lapel collar
- stitched back strap
- 2 sloped side pockets
- breast pocket
- integrated inside pocket
- integrated pocket for mobile phone
- yellow contrast stripe between rear and front yoke
- pleat in the back for better movement
- width-adjustable snaps

In compliance with the ESD standard DIN EN 61340-5-1 

Material: 65% polyester, 33% cotton, 2% carbon fibers

Available sizes: 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64

dpvlink 21410

Article	Color	Fabric weight g/qm	Size
<b>ESD men's work coat GreyLine</b>			
2780.GL834	light grey	180	42-64



Workwear suXXeed

ESD work coat suXXeed



- lapel collar
- stretch element in sleeve hem
- two fitted side pockets
- center front with hidden snap fastener and sloped cover
- direct embroidery on left upper arm
- ergonomic section course due to elements in the forearm and side
- bust dart
- front and back dart
- breast pocket inside on the left
- woven label on the lower left part of the hem
- industrial cleaning tested according to DIN EN ISO 15797

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Material: 66.5% polyester, 32% cotton, 1.5% carbon fibers

**dpvlink 25274**

Article	Type	Sleeve length	Color	Size	
<b>ESD work coat suXXeed</b>					
2785.BL402	3/4 design	long sleeves	graphite	S-6XL	men
2785.BL602	3/4 design	long sleeves	graphite	S-4XL	women

ESD jacket suXXeed



- ergonomic section course and optimal fitting for the perfect wearing comfort
- lapel collar
- stretch element in sleeve hem
- ergonomic section course due to elements in the forearm and side
- one breast pocket on the left with sloped cover
- two side pockets
- front center with hidden zipper and integrated placket
- direct embroidery on the left upper arm
- industrial cleaning tested according to DIN EN ISO 15797

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Material: 66.5% polyester, 32% cotton, 1.5% carbon fibers

**dpvlink 25278**

Article	Color	Size	
<b>ESD jacket suXXeed</b>			
2785.BL412	graphite	XS-6XL	men
2785.BL612	graphite	XS-4XL	women

ESD trousers suXXeed



- ergonomic section course and optimal fitting for the perfect wearing comfort
- waistband with 5 belt loops
- elastic waistband with patent button
- fly with zipper
- straight back trousers bridge
- integrated gusset
- knee shape by dart
- 2 side pockets
- 1 hip pocket on the right
- 1 leg pocket on the left with simple pleat, flap with hidden snaps
- direct embroidery on the hip pocket on the right
- industrial cleaning tested according to DIN EN ISO 15797

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Material: 66.5% polyester, 32% cotton, 1.5% carbon fibers

**dpvlink 25285**

Article	Color	Size	
<b>ESD trousers suXXeed</b>			
2785.BL422	graphite	42-66	men
2785.BL622	graphite	36-54	women



EPAwear® Workwear

The dissipative workwear protects from electrostatic charge and is therefore an important part of the ESD protective measures in electronics manufacturing. The breathable and hard-wearing fabrics offer best wearing comfort, long durability and good care properties.



**PremiumSmooth**

Due to a special weaving procedure the functional material perfectly combines high-quality cotton with moisture-absorbent micro-polyester. The cotton inside is soft, supple and assures a feeling of well-being on the skin. The breathable and moisture-absorbent micro-polyester on the outside provides optimal thermoregulation.

This particular combination promotes a pleasant-to-wear sensation and has a very positive effect on the durability. Due to the conductive fibers integrated in the material the clothes have excellent dissipation values. All garments are marked with an ESD symbol and machine washable at 30°C.



**CoolMax® ALL SEASON**

The high-tech material with freshPRO technology supports the right balance between body and room temperature.

The soft and lightweight fabric perfectly adapts to changing temperatures and is pleasant and comfortable to wear - including the reliable protection against electrostatic charge due to the integrated conductive yarn. All garments are marked with an ESD symbol and machine washable at 30°C.

**Cotton mixed fabric**

The light and breathable material is skin-friendly and comfortable to wear. The integrated yarn ensures a reliable protection from charge.

All garments are marked with an ESD symbol and machine washable at 40°C.



### T-Shirt Uni



T-Shirt Uni, electrostatically dissipative, breathable, with integrated conductive fibers, sleeve with ESD logo, machine washable up to 40°C.  
Cotton mixed fabric: 97% cotton, 3% conductive yarn, weight 150 g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 ⚠



dpvlink 14315



Article	Style	Color	Size
<b>T-Shirt Uni</b>			
2658.T010	T-shirt	white	XS-3XL
2658.T210	T-shirt	dark blue	XS-6XL
2658.T210-V	T-shirt / V-neck	dark blue	XS-3XL
2658.T910	T-shirt	royal blue	XS-6XL
2658.T610	T-shirt	black	XS-6XL
2658.T610-V	T-shirt / V-neck	black	XS-5XL

### T-Shirt Uni High Quality



T-shirt Uni, electrostatically dissipative, breathable, with conductive inwoven fibers, sleeves with ESD logo, machine washable up to 40°C. High-quality TOP product with excellent wearing comfort.  
Cotton mixed fabric: 97% cotton, 3% conductive yarn, weight 195g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 ⚠



Gewicht 195 g/m<sup>2</sup>



dpvlink 17640



Article	Color	Size
<b>T-Shirt Uni High Quality</b>		
2658.TQ211	dark blue	XS-4XL
2658.TQ611	black	XS-4XL

### T-shirt



T-Shirt, electrostatically dissipative, breathable, with conductive yarn, sleeve with ESD logo, machine washable up to 40°C.  
Cotton mixed fabric: 97% cotton, 3% conductive yarn, weight 150 g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 ⚠



dpvlink 6742



Article	Color	Size
<b>T-shirt</b>		
2655.T	grey / dark blue	XS-3XL
2657.T	blue / dark blue	XS-4XL

### Lady Shirt



Women's T-Shirt or tank top fitted with V neck, electrostatically dissipative. Breathable, with conductive carbon fibers, ESD logo on sleeve or seam, machine washable up to 40°C.  
Cotton mixed fabric: 97% cotton, 3% conductive yarn (carbon), weight 150g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 ⚠



dpvlink 19845



Article	Style	Color	Size
<b>Lady Shirt</b>			
2658.TT215	Tank Top / V-neck	dark blue	XS-4XL
2658.TT615	Tank Top / V-neck	black	XS-4XL
2658.TL210	T-shirt / V-neck	dark blue	XS-4XL
2658.TL610	T-shirt / V-neck	black	XS-4XL

### Polo shirt Lady



Polo shirt Lady, electrostatically dissipative, slightly tapered; breathable, conductive fibers, sleeve with ESD logo, machine washable up to 40°C.

Cotton mixed fabric: 96% cotton, 4% conductive yarn, weight 150 g/m<sup>2</sup>

In compliance with the ESD standard DIN EN 61340-5-1 



Tapered cut (close-fitting), short sleeves with slight gathers on the transition to the shoulder, collar with button placket (5 buttons), rounded waistband with lateral insert, stylish colors:



[dpvlink 14477](#)

Article	Color	Size
<b>Polo shirt Lady</b>		
2658.PL010	white	XS-3XL
2658.PL717	purple	XS-3XL
2658.PL210	dark blue	XS-4XL
2658.PL610	black	XS-4XL



### Polo shirt Uni



Polo shirt Uni, electrostatically dissipative. Collar with button placket, breathable, with conductive yarn, sleeve with ESD logo, machine washable up to 40°C. Cotton mixed fabric: 96% cotton, 4% conductive yarn, weight 210 g/m<sup>2</sup>

In compliance with the ESD standard DIN EN 61340-5-1 



[dpvlink 14319](#)

Article	Color	Size
<b>Polo shirt Uni</b>		
2670.P010	white	XS-4XL
2670.P210	dark blue	XS-4XL
2670.P610	black	XS-4XL
2670.P910	cornflower blue	XS-4XL



### Polo shirt



Polo shirt, electrostatically dissipative, collar with button placket, breathable, with conductive fibers, sleeve with ESD logo, machine washable up to 40°C.

Mixed fabric: 50% cotton, 47% polyester, 3% conductive yarn, weight 210g/m<sup>2</sup>

Entspricht der ESD-Norm DIN EN 61340-5-1 



[dpvlink 16382](#)

Article	Color	Size
<b>Polo shirt</b>		
2628.P215	dark blue	XS-4XL
2628.P615	black	XS-5XL



### Polo shirt



Polo shirt, electrostatically dissipative. Collar with button placket, breathable, conductive yarn, breast pocket with ESD logo, machine washable up to 40°C.

- Grey with contrasting dark blue collar, breast pocket and sleeves
- Blue with contrasting black collar, breast pocket and sleeves

Mixed fabric: 50% cotton, 47% polyester, 3% conductive yarn, weight 210 g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 154**

Article	Color	Size
<b>Polo shirt</b>		
2625.P	grey / dark blue	XS-4XL
2627.P	blue / black	XS-4XL



### Polo shirt long sleeves



Polo shirt with long sleeves, dissipative. Collar with button placket, breathable, with conductive yarn, breast pocket with ESD symbol, machine washable up to 40°C

- blue with contrasting black collar, breast pocket and sleeves
- grey with contrasting dark blue collar, breast pocket and sleeves
- black with black collar, breast pocket and sleeves

Mixed fabric: 50% cotton, 47% polyester, 3% conductive yarn, weight 210 g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 5885**

Article	Color	Size
<b>Polo shirt long sleeves</b>		
2645.P	grey / dark blue	XS-4XL
2647.P	blue / black	XS-4XL
2647.P615	black	XS-4XL



### Sweatshirt



Sweatshirt, electrostatically dissipative. Round neck, breathable, comfortable to wear, unisex design, 1/2 design, ESD symbol on the sleeve, machine washable up to 40°C

Mixed fabric: 48% polyester, 48% cotton, 4% conductive yarn, weight 280 g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 16239**

Article	Color	Size
<b>Sweatshirt</b>		
2671.S210	dark blue	XXS-4XL
2671.S610	black	XXS-4XL
2671.S910	royal blue	XXS-4XL



### Sweat jacket



Sweat jacket with covered zipper. Electrostatically dissipative, breathable, comfortable to wear, unisex model, 1/2 design, ESD symbol on the sleeve, 2 pockets, machine washable up to 40°C.

Mixed fabric: 48% polyester, 48% cotton, 4% conductive yarn, weight 280 g/m<sup>2</sup>  
In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 16243**

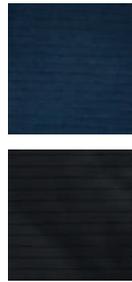
Article	Color	Size
<b>Sweat jacket</b>		
2671.SJ210	dark blue	XXS-4XL
2671.SJ610	black	XXS-4XL
2671.SJ910	royal blue	XXS-4XL



### Sweatshirt Premium



Sweatshirt Premium, electrostatically dissipative. Round neck, breathable, comfortable to wear, unisex design, 1/2 design, ESD symbol on the sleeve, machine washable up to 40°C.  
 Mixed fabric 240 g/m<sup>2</sup> (46% polyester, 50% cotton, 4% carbonized yarn)  
 In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 21346** 

Article	Color	Size
<b>Sweatshirt Premium</b>		
2672.S215	dark blue	2XS-5XL
2672.S615	black	2XS-5XL

### Sweat jacket Premium



Sweat jacket Premium, electrostatically dissipative. Zipper, breathable, comfortable to wear, unisex design, 1/2 design, ESD symbol on the sleeve, 2 pockets, machine washable up to 40°C.  
 Mixed fabric 240 g/m<sup>2</sup> (46% polyester, 50% cotton, 4% carbonized yarn)  
 In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 21349** 

Article	Color	Size
<b>Sweat jacket Premium</b>		
2672.SJ215	dark blue	2XS-5XL
2672.SJ615	black	2XS-5XL

### Sweatshirt



Electrostatically dissipative mixed fabric (43% polyester, 50% cotton, 7% conductive yarn), light, breathable, comfortable to wear, fabric with conductive fibers, unisex model, 1/2 design, ESD symbol on the left upper arm, machine washable up to 40°C, weight 270 g/m<sup>2</sup>

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 10272** 

Article	Color	Size
<b>Sweatshirt</b>		
2671.SS.B	blue	S-3XL

### Sweat jacket



Sweat jacket, electrostatically dissipative mixed fabric (43% polyester, 50% cotton, 7% conductive yarn), continuous zipper, conductive cuffs, comfortable to wear, light, breathable, unisex model, 1/2 design, ESD symbol on the left upper arm, machine washable up to 40°C, weight 290 g/m<sup>2</sup>

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 20092** 

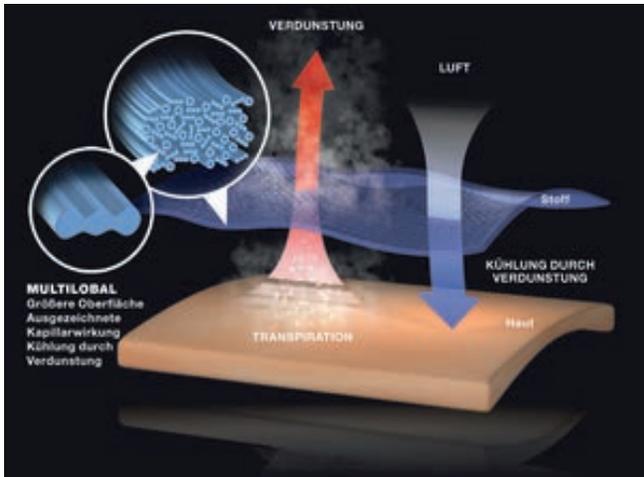
Article	Color	Size
<b>Sweat jacket</b>		
2670.SJ.BL	black	XS-3XL
2670.SJ.BL-1	black	4XL-5XL
2671.SJ.B	blue	XS-3XL
2671.SJ.B-1	blue	4XL-5XL

Coolmax® ALL SEASON

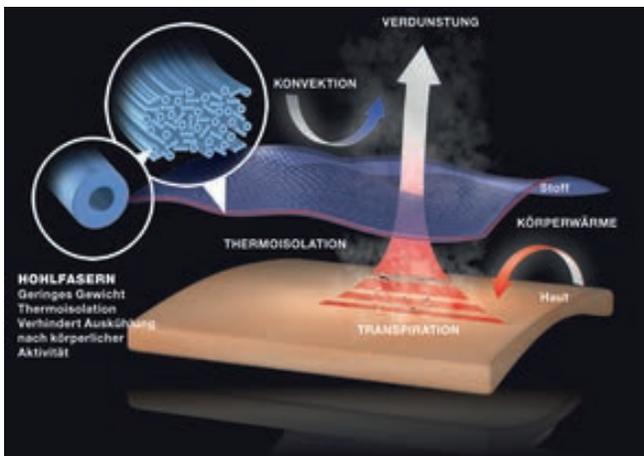


Coolmax® ALL SEASON with freshPRO technology is a multifunctional high-tech fabric combining several characteristics. It offers its wearer a perfect wearing comfort adapted to the respective degree of temperature and activity.

- perfectly adapted to changing climatic conditions
- pleasant and comfortable to wear
- easy to care and machine washable
- dissipative



Higher temperatures and increased activity produce a comfortable evaporative cooling.



Lower temperatures and activity produce a protective thermal-insulating effect.

Polo shirt Coolmax® ALL SEASON



Polo shirt Coolmax® ALL SEASON with high electrostatic dissipation, weight 160 g/m<sup>2</sup> for ESD protected work areas, soft, light and breathable, comfortable to wear.

Mixed fabric: 96% Coolmax® ALL SEASON, 4% conductive yarn

In compliance with the ESD standard DIN EN 61340-5-1 ⚠



- keeps the skin cool and preserves the well-being
- moisture is transported away from the body
- dry wear climate
- easy-care, machine washable
- dissipative



dpvlink 16371

Article	Style	Color	Size
<b>Polo shirt Coolmax® ALL SEASON</b>			
2680.P6525	Polo shirt / short sleeves	red	XS-4XL
2680.P6527	Polo shirt / short sleeves	anthracite	XS-4XL
2680.P6522	Polo shirt / short sleeves	dark blue	XS-4XL
2680.P6526	Polo shirt / short sleeves	black	XS-4XL
2680.P6537	Polo shirt / long sleeves	anthracite	XS-4XL
2680.P6532	Polo shirt / long sleeves	dark blue	XS-4XL
2680.P6536	Polo shirt / long sleeves	black	XS-4XL



T-Shirt Coolmax® ALL SEASON



dpvlink 25464

Article	Style	Color	Size
<b>T-Shirt Coolmax® ALL SEASON</b>			
2680.T6517	T-shirt	anthracite	XS-4XL
2680.T6512	T-shirt	dark blue	XS-4XL
2680.T6516	T-shirt	black	XS-4XL



### Polo shirt Lady Coolmax® ALL SEASON



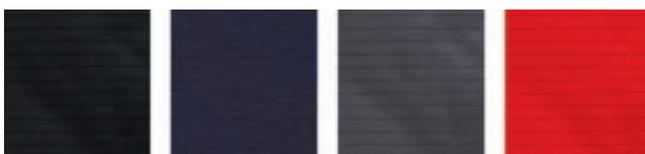
Figure-hugging women's polo shirt Coolmax® ALL SEASON very dissipative, short sleeves, weight 160g/m<sup>2</sup>, for ESD-protected areas, soft, lightweight and breathable, comfortable to wear.

Mixed fabric: 96% Coolmax® ALL SEASON, 4% conductive yarn

In compliance with the ESD standard DIN EN 61340-5-1 



- keeps cool and saves well-being
- directs moisture away from the body
- dry wearing comfort
- easy to care and machine-washable
- dissipative



**dpvlink 19498**

Article	Color	Size
<b>Polo shirt Lady Coolmax® ALL SEASON</b>		
2680.P5525	red	XS-2XL
2680.P5527	anthracite	XS-2XL
2680.P5522	dark blue	XS-4XL
2680.P5526	black	XS-2XL



### Sweatshirt / sweat jacket Coolmax® ALL SEASON



Sweatshirt / sweat jacket Coolmax® ALL SEASON very dissipative, weight 230 g/m<sup>2</sup> for ESD protected work areas, soft, light and breathable, comfortable to wear.

Mixed fabric: 84% Coolmax® ALL SEASON, 10% conductive yarn, 6% Lycra

In compliance with the ESD standard DIN EN 61340-5-1 



- keeps cool and saves well-being
- directs moisture away from the body
- dry wearing comfort
- easy to care and machine-washable
- dissipative



**dpvlink 16377**

Article	Style	Color	Size
<b>Sweatshirt / sweat jacket Coolmax® ALL SEASON</b>			
2685.S6557	Sweatshirt / V-neck	anthracite	XS-4XL
2685.S6552	Sweatshirt / V-neck	dark blue	XS-4XL
2685.S6567	Sweatshirt / lapel collar with zipper	anthracite	XS-4XL
2685.S6562	Sweatshirt / lapel collar with zipper	dark blue	XS-4XL
2685.SJ6577	Sweat jacket	anthracite	XS-4XL
2685.SJ6572	Sweat jacket	dark blue	XS-4XL
2685.SJ6576	Sweat jacket	black	XS-4XL



### Women's sweat jacket Coolmax® ALL SEASON



**dpvlink 22323**

Article	Style	Color	Size
<b>Women's sweat jacket Coolmax® ALL SEASON</b>			
2685.SJ5577	Sweat jacket	anthracite	XS-2XL
2685.SJ5572	Sweat jacket	dark blue	XS-2XL
2685.SJ5576	Sweat jacket	black	XS-2XL



PremiumSmooth

PremiumSmooth is a NEWLY developed functional textile. Its high-quality inside **adapts softly** to the skin - ensuring therefore an extremely comfortable wearing. The **breathable and moisture-absorbing** micro polyester on the exterior ensures optimal thermal regulation. The result of the EPAwear® PremiumSmooth shirts stands for itself: Smooth comfort combined with **optimal ESD protection**.



**T-Shirt / Polo shirt PremiumSmooth**

- high electrostatic dissipation
- weight 180g/m<sup>2</sup>
- for ESD protected working areas
- soft, light and breathable
- very comfortable to wear

**PremiumSmooth functional fabric:**

47% cotton inside  
46% micro polyester outside  
7% conductive fibers

Available in the 2 standard colors black and dark blue.  
**Your requested color is possible when ordering at least 300 pieces.**  
With the new innovative PremiumSmooth textile, the new generation of Polo and T-Shirts offers everything a TOP product needs:

- TOP industrial quality
- extremely durable textile
- **extremely comfortable wearing**
- breathable fabric
- pleasant wearing
- wellbeing on the skin
- excellent dissipation values
- Active cold and heat regulation
- timeless cut
- machine washable up to 30°C



Polo shirt Lady PremiumSmooth



Polo shirt PremiumSmooth with high electrostatic dissipation, Premium Smooth fabric (47% cotton inside / 47% micro polyester outside / 7% conductive fibers), weight 180g/m<sup>2</sup>, soft, light and breathable, very comfortable to wear.

In compliance with the ESD standard DIN EN 61340-5-1 



dpvlink 17851



Article	Color	Size
<b>Polo shirt Lady PremiumSmooth</b>		
2675.PL7542	dark blue	XS-3XL
2675.PL7546	black	XS-3XL

Polo shirt PremiumSmooth



Polo shirt PremiumSmooth with high electrostatic dissipation, Premium Smooth fabric (47% cotton inside / 47% micro polyester outside / 7% conductive fibers), weight 180g/m<sup>2</sup>; soft, light and breathable, very comfortable to wear.

In compliance with the ESD standard DIN EN 61340-5-1 



dpvlink 17850



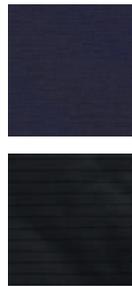
Article	Color	Size
<b>Polo shirt PremiumSmooth</b>		
2675.P7532	dark blue	S-4XL
2675.P7537	anthracite	S-4XL
2675.P7536	black	S-4XL

### T-Shirt Lady PremiumSmooth



T-shirt Lady PremiumSmooth with high electrostatic dissipation, Premium Smooth fabric (47% cotton inside / 47% micro polyester outside / 7% conductive fibers), weight 180g/m<sup>2</sup>, with stylish V-neck; soft, light and breathable, very comfortable to wear.

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 17853**

Article	Color	Size
<b>T-Shirt Lady PremiumSmooth</b>		
2675.TL7422	dark blue	XS-3XL
2675.TL7426	black	XS-3XL

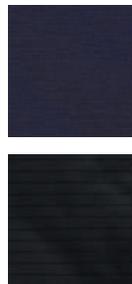


### T-Shirt PremiumSmooth



T-shirt PremiumSmooth with high electrostatic dissipation, PremiumSmooth fabric (47% cotton inside / 47% micro polyester outside / 7% conductive fibers), weight 180g/m<sup>2</sup>; soft, light and breathable, very comfortable to wear.

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 17852**

Article	Color	Size
<b>T-Shirt PremiumSmooth</b>		
2675.T7412	dark blue	S-4XL
2675.T7416	black	S-4XL



### Other workwear

#### ESD Winter vest type 1600



Vest without sleeves, dissipative material (31% polyester, 66% cotton, 3% conductive yarn): unisex version; inside completely with quilted lining, drawstring at hem, panel seams with insertion pockets, 1 breast pocket with zipper, stand-up collar, EPA logo on bottom hem; machine washable up to 40°C.

In compliance with the ESD standard DIN EN 61340-5-1 

(standard only fulfilled in connection with further ESD-compliant clothing)



**dpvlink 21228**

Article	Color	Size
<b>ESD Winter vest type 1600</b>		
DPV-1600	graphite	XS-3XL



#### ESD Winter jacket



ESD winter jacket, material (62% polyester, 34% cotton, 4% conductive yarn) electrostatically dissipative, warming fleece lining; water-repellent, unisex version, EPA logo on the left breast, machine washable up to 40°C.

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 19465**

Article	Color	Size
<b>ESD Winter jacket</b>		
DPV-1066	black	XS-2XL

**Sizes 3XL to 5XL on request**



### ESD Winter vest type 1000



Men's winter vest without sleeves, upper material dissipative (98% polyester, 2% conductive yarn) water-repellent, lining of warming cotton fleece, unisex, EPA logo on the left breast, machine washable up to 40°C.

In compliance with the ESD standard DIN EN 61340-5-1 (standard only fulfilled in connection with further ESD-compliant clothing)



[dpvlink 19463](#)

Article	Color	Size
<b>ESD Winter vest type 1000</b>		
DPV-1000	dark blue	XS-2XL

**Sizes 3XL to 5XL on request**

### ESD Winter jacket



Men's winter jacket with long sleeves, upper material dissipative (98% polyester, 2% conductive yarn); warming fleece lining; unisex; EPA-logo on the left breast, machine washable up to 40°C. In compliance with the ESD standard DIN EN 61340-5-1



[dpvlink 19652](#)

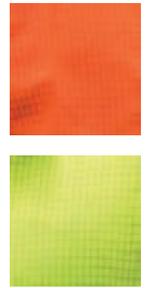
Article	Color	Size
<b>ESD Winter jacket</b>		
DPV-1010	dark blue	XS-2XL

**Sizes 3XL to 6XL on request**

### ESD Softshell jacket in signal color



ESD softshell jacket; material (98% polyester, 2% conductive yarn) electrostatically dissipative; breathable; internal layer Softshell; unisex version; EPA-logo on the left breast, machine washable up to 40°C. In compliance with the ESD standard DIN EN 61340-5-1



[dpvlink 19656](#)

Article	Color	Size
<b>ESD Softshell jacket in signal color</b>		
DPV-1031	orange	XS-2XL
DPV-1030	neon yellow	XS-2XL

**Sizes 3XL to 5XL on request**

### ESD Reflective vest



ESD warning vest; material (98% polyester, 2% conductive yarn) electrostatically dissipative, florescent with reflecting stripes, unisex version, EPA logo on the left breast, machine washable up to 40°C. In compliance with the ESD standard DIN EN 61340-5-1



[dpvlink 19397](#)

Article	Color	Size
<b>ESD Reflective vest</b>		
DPV-1026	yellow	XS-2XL
DPV-1027	orange	XS-2XL

**Sizes 3XL to 5XL on request**

### ESD sweatshirt / sweat jacket



Electrostatically dissipative sweatshirt and sweat jacket; mixed fabric (48% polyester, 48% cotton, 4% conductive yarn), lime-green with collar and cuffs in contrasting black, unisex version, EPA-logo on the left upper arm, weight 300 g/m<sup>2</sup>, machine washable up to 40°C.

In compliance with the ESD standard DIN EN 61340-5-1 



[dpvlink 24934](#)

Article	Style	Color	Size	
<b>ESD sweatshirt / sweat jacket</b>				
DPV-1200	Sweatshirt	lime-green	XS-4XL	
DPV-1250	Sweat jacket	lime-green	XS-4XL	



# ESD

### Trousers ESD BlackLine



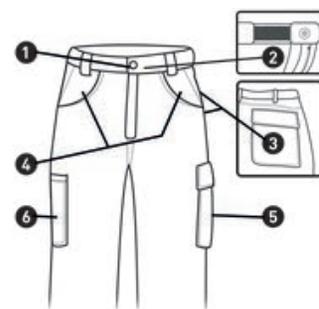
The functional ESD working trousers have many pockets for tools. So everything is always within reach. At the same time the trousers are very comfortable to wear due to the laterally elastic Flexbelt® seam.



#### ESD trousers BlackLine

- electrostatically dissipative
- ESD logo
- weight 180 g/m<sup>2</sup>
- color black
- sizes 40 - 62
- Flexbelt® waistband very elastic and comfortable to wear
- belt loops

In compliance with the ESD standard DIN EN 61340-5-1



#### Highlights

1. Covered waistband fastener inside
2. Flexbelt® waistband for high wearing comfort
3. 2x back pockets with flap and velcro fastener
4. 2x large pockets
5. Large thigh pocket with flap and velcro fastener
6. Ruler pocket

Material: 65% polyester, 33% cotton, 2% carbon

Available sizes: 40/42, 44/46, 48/50, 52/54, 56/58, 60/62

[dpvlink 23201](#)

Article	Color	Size	Type	Fabric weight g/qm	
<b>Trousers ESD BlackLine</b>					
2770.BK151	black	40-62	short	180	
2770.BK150	black	40-62	long	180	

### ESD Cap



ESD cap; material (48% polyester, 48% cotton, 4% conductive yarn) electrostatically dissipative, unisex version; one size fits all; EPA labeling at the front, machine washable up to 40°C. In compliance with the ESD standard DIN EN 61340-5-1. Available in light blue with 210 g/m<sup>2</sup> or in dark blue with 210 g/m<sup>2</sup> or with 280 g/m<sup>2</sup>.



dpvlink 21079

Article	Color	Fabric weight g/qm
<b>ESD Cap</b>		
DPV-1082	light blue	210
DPV-1081	dark blue	210
DPV-1080	dark blue	280

### ESD Loop scarf



ESD loop scarf; electrostatically dissipative



- material
  - 96% cotton
  - 4% conductive yarn
- unisex version
- one size fits all
- available in dark blue and black
- machine washable up to 40°C
- In compliance with the ESD standard DIN EN 61340-5-1 ⚠

dpvlink 22695

Article	Color	Fabric weight g/qm
<b>ESD Loop scarf</b>		
DPV-1085	dark blue	150
DPV-1085.B	black	150

### ESD Scarf



ESD scarf; electrostatically dissipative



- material
  - 96% cotton
  - 4% conductive yarn
- unisex version
- one size fits all
- available in dark blue and black
- dimensions 185 x 30 cm
- machine washable up to 40°C
- In compliance with the ESD standard DIN EN 61340-5-1 ⚠

dpvlink 22930

Article	Color	Fabric weight g/qm
<b>ESD Scarf</b>		
DPV-1086	dark blue	150
DPV-1086.B	black	150

## Cleanroom clothing

### Cleanroom overalls



DPV cleanroom overalls suitable for cleanrooms and ESD-safe  
Material: 110 g/m<sup>2</sup> (98 % polyester and 2% conductive fibers)

- lapel collar
- covered zipper
- raglan sleeves
- knitted cuffs on arms
- adjustable snaps on legs
- adjustable buttonhole elastic in waist
- snap counterpart for hood
- clip band dispositive for name labelling
- name tape
- thigh pocket with flap on the right
- antistatic ⚠
- usable up to cleanroom class ISO 4 (class 10)



On request also available in light blue.

dpvlink 21424

Article	Color	Size
<b>Cleanroom overalls</b>		
1010.RR-101	white	S-XXL
1010.RR-201	light blue	S-XXL

Sizes 3XL to 5XL on request

### Cleanroom all-around protection hood



- Zipper in front
- with shoulder cover
- adjustment possible with buckle on the back
- large head harness
- snap fixture for mask
- ear insert
- antistatic ⚠
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21432

Article	Color	Size
1010.RR-107	white	S-XXL
1010.RR-207	light blue	S-XXL

### Cleanroom mask



- for buttoning in the all-around protection hood
- antistatic ⚠
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21444

Article	Color	Size
1010.RR-108	white	one size
1010.RR-208	light blue	one size

### Cleanroom coat



DPV cleanroom coat suitable for cleanrooms and ESD-safe  
Material: 110 g/m<sup>2</sup> (98 % polyester and 2% conductive fibers)

- lapel collar
- snaps in front
- raglan sleeves
- clip band fixture for name labeling
- name tape
- knitted cuffs on arms
- 1 breast pocket
- 2 hip pockets
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)



On request also available in light blue.

dpvlink 21428

Article	Color	Size
<b>Cleanroom coat</b>		
1010.RR-102	white	S-XXL
1010.RR-202	light blue	S-XXL

Sizes 3XL to 5XL on request

### Cleanroom overboot



- high version
- plastic outsole
- with zipper
- clip fastener over instep for optimal fit
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21441

Article	Color	Size
1010.RR-112	white	S-XXL
1010.RR-212	light blue	S-XXL

### Cleanroom overshoe



- angle-high
- plastic outsole
- elastic
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21438

Article	Color	Size
<b>Cleanroom overshoe</b>		
1010.RR-114	white	S-XXL
1010.RR-214	light blue	S-XXL

### Protective clothes ESD UVEX®

#### Disposable suit 3B chem light



Protection against several inorganic chemicals in low concentration. Does not contain any halogen compounds, can thus be disposed without further residues that harm the environment or health.

- high wearing comfort due to lightweight and breathable material with skin-friendly non-woven material inside
- optimal protection by self-adhesive zip covers
- elastic bands at waist, hood, arms and legs provide better, tight closures

**Seams:** taped seams for additional protection.

dpvlink 25868

Article	Color	Size
2791.100	white / yellow	S-3XL



#### Disposable suit 5/6 air



Protection in dusty working area. Does not contain any halogen compounds, can thus be disposed without further residues that harm the environment or health.

- high wearing comfort due to lightweight and breathable SMS material
- optimal protection by self-adhesive zip covers
- elastic bands at waist, hood, arms and legs provide better, tight closures

dpvlink 25870

Article	Color	Size
2791.102	white	S-3XL



#### Disposable suit 5/6 classic



Protection against chemicals in dust and powder form. Does not contain any halogen compounds, can thus be disposed without further residues that harm the environment or health.

- high wearing comfort due to lightweight and breathable material
- skin-friendly non-woven material inside
- optimal protection by self-adhesive zip covers
- elastic bands at waist, hood, arms and legs provide better, tight closures

dpvlink 25872

Article	Color	Size
2791.105	white	S-3XL



Tyvek® Protective clothing ESD

Tyvek® is a special and versatile material. It is durable, but also extremely light and soft. Permeable to air and water vapor, Tyvek® fabric provides an excellent barrier as well against water-based chemicals and aerosols as to particles and fibers. It is low-linting and antistatic. Due to the combination of these special characteristics Tyvek® products are ideal for a wide range of applications and prevent contamination of products and processes by people in the pharmaceutical, food or electronics industry.



**Protection:** Good barrier to particles due to its structure of extremely fine filaments and a good protection against fine liquid mist and water-based chemicals in low concentration.

**Durability:** The Tyvek® fabric is extremely durable, tear- and abrasion-resistant. Tyvek® overalls remain intact even under difficult conditions, in case of movements such as those described in the standards for chemical protective clothing.

**Comfort:** Tyvek® is a breathable fabric. It is permeable to air and water vapor. At the same time it is very soft, light and flexible and feels comfortable on the skin.

Antistatic according to EN 1149-1

Disposable overall Tyvek® 500 Industry Tyvek.



- internal seams
- zip cover
- overall with lapel collar
- elastic cuffs on back, arm and leg ends
- Cat III, type 5 and 6
- certified according to EU 2016/425
- in compliance with EN 14126 and EN 1073-2
- antistatic on both sides according to EN 1149-1

dpvlink 8324

Article	Color	Size	Shipping Unit
2790.201	white	S-XXL	100 piece



Disposable overall Tyvek® 500 Xpert Tyvek.



- external seams
- low inward leakage
- zip cover
- overall with lapel collar
- three-part hood
- elastic cuffs on hood, in the back, on the arm and legs ends
- Cat III, type 5 and 6 B
- certified according to EU 2016/425
- in compliance with EN 14126 and EN 1073-2
- antistatic on both sides according to EN 1149-1

dpvlink 8325

Article	Color	Size	Shipping Unit
2790.205	white	S-3XL	25 piece
2790.206	green	S-XXL	100 piece
2790.207	blue	S-XXL	100 piece



Disposable coat Tyvek® 500 Tyvek.



- Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1
- Description:** Laboratory coat with lapel collar, 5 snaps, 3 pockets and internal seams
- Category:** Cat. III, type PB (6)

dpvlink 8318

Article	Color	Size	Shipping Unit
2790.100	white	M-XXL	10



Disposable coat Tyvek® 500 Tyvek.



- Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1
- Description:** Laboratory coat with lapel collar, 5 snaps, elastic on the sleeve end, internal seams and without pockets
- Category:** Cat. III, type PB (6)

dpvlink 8320

Article	Color	Size	Shipping Unit
2790.105	white	M-XXL	10



Disposable coat Tyvek® 500 Tyvek.



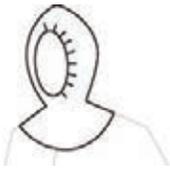
- Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1
- Description:** Laboratory coat with zipper, lapel collar, 2 pockets and elastic bands on the arm ends
- Category:** Cat. III, type PB (6)

dpvlink 8322

Article	Color	Size	Shipping Unit
2790.110	white	S-XXL	10



### Disposable cover Tyvek® 500



**Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1  
**Description:** Hood with large collar, internal seam, elastic bands on face opening and neck  
**Category:** Cat. III, type PB (6)

**dpvlink 8337** 

Article	Color	Shipping Unit
2790.305	white	100

### Disposable skirt Tyvek® 500

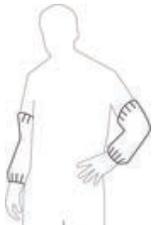


**Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1  
**Description:** Skirt with bands in neck and back, length 108 cm  
**Category:** Cat. III, type PB (6)

**dpvlink 8339** 

Article	Color	Shipping Unit
2790.300	white	100

### Disposable gauntlets Tyvek® 500



**Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1  
**Description:** Arm gauntlets with internal seams, 50 cm, adjustable elastic bands on top and bottom of the upper arm (blue)  
**Category:** Cat. III, type PB (6)

**dpvlink 8341** 

Article	Color	Shipping Unit
2790.309	white	200

### Disposable overshoe Tyvek® 500

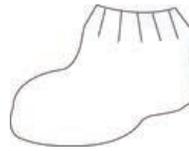


**Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1.  
**Description:** knee-high overshoe with internal seam, elastic on top and fastening strips (2790.316 with slip-resistant outsole)  
**Category:** Cat. III, type PB (6)

**dpvlink 8335** 

Article	Color	Size	Style	Shipping Unit
2790.315	white	one size	Overshoe	200
2790.316	white	one size	Overshoe / slip-resistant outsole	200

### Disposable overshoe Tyvek® 500

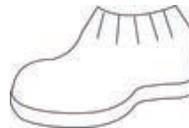


**Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1  
**Description:** overshoe with elastic on the ankle and internal seams  
**Category:** Cat. III, type PB (6)

**dpvlink 8330** 

Article	Color	Size	Shipping Unit
2790.310	white	one size	400

### Disposable overshoe Tyvek® 500, slip-resistant



**Material:** Tyvek® 1431 N, 41.5 g/m<sup>2</sup>, antistatic EN 1149-1  
**Description:** Overshoe with slip-resistant outsole, elastic on the ankle and internal seams  
**Category:** Cat. III, type PB (6)

**dpvlink 8332** 

Article	Color	suitable for shoe sizes	Shipping Unit
2790.311	white	36-42	200
2790.312	white	42-46	200

Tyvek® is a registered trademark of DuPont or one of its affiliate companies.

## Disposable clothes

### Disposable mask / hygienic mask



#### Hygienic disposable mask

- with ear band
- 100% polypropylene
- hydrophobic non-woven fabric
- 3 layers
- 12.5 cm metal stripe for optimal fit
- one size fits all
- made in Europe

PU = box with 50 pieces



**dpvlink 24453** 

Article	Style	Color	Size	PU
2795.200	mask	white	one size	50 piece

### Disposable mask medical mask type II R

#### Medical disposable mask type II

Protects the wearer and the people in the surroundings

- 100% polypropylene non-woven fabric
- with meltblown filter layer
- 3 layers
- bacterial filter performance (BFE) ≥ 98%
- metal stripe for optimal fit
- one size fits all
- medical mask with CE marking
- **self-protection / protection of others**
- made in Europe
- complies with the standard EN 14683+AC:2019

PU = box with 50 pieces



**dpvlink 24899** 

Article	Style	Color	Size	PU
2795.200.MM.R	mask	white	one size	50 piece

Disposable mask medical mask type II



Medical disposable mask type II

- 100% polypropylene non-woven fabric
- with meltblown filter layer
- 3 layers
- bacterial filter performance (BFE) ≥ 98%
- metal stripe for optimal fit
- one size fits all
- made in Europe
- complies with the standard EN 14683+AC:2019

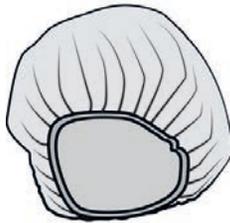
PU = box with 50 pieces

dpvlink 24454

Article	Style	Color	Size	PU
2795.200.MM	mask	white	one size	50 piece



Disposable cap / mask



Disposable bouffant cap

- white non-woven
- size 1 = Ø 53 cm
- size 2 = Ø 60 cm

PU = box with 1000 pieces

dpvlink 8435

Article	Style	Color	Size	PU
2795.153	Cover	white	1	1000 piece
2795.160	Cover	white	2	1000 piece



Disposable overshoes



- Disposable overshoe for outdoor shoes
- with contact strap
- Eco 300 PU = 120 pieces / bag (60 pairs)
- Premium 400 PU = 100 pieces / bag (50 pairs)

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 118

Article	Type	Size	Color
2560.830.1.60	Eco 300	35-48	light blue
2560.835.1.50	Premium 400	35-47	light blue



ID card holders

ID card holder Premium



- transparent/clear
- dissipative
- high-quality and flexible material
- insertion pocket with zipper
- upper edging in contrasting yellow
- ESD symbol
- fastening: metal clip

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 16247

Article	Version	W [mm]	H [mm]
5221.35016	Portrait format	68	107
5221.35017	landscape format	102	86



ID card holder, transparent dissipative



- clear/ transparent
- ESD symbol
- clip closure
- dissipative

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 398

Article	Version	W [mm]	H [mm]	Thickness [mm]
5221.31.IDP.150	landscape format	95	65	0.15
5221.31.IDP	landscape format	95	65	0.25



ID card holder credit card size



- credit card size
- conductive plastic
- clip closure
- portable in portrait and landscape format

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 5814

Article	Type
5221.21	Card holder credit card size, black



ESD lanyard



ESD lanyard

- with safety closure
- carabiner
- ESD imprint
- for all ID card holders
- dissipative/yellow

In compliance with the ESD standard DIN EN 61340-5-1



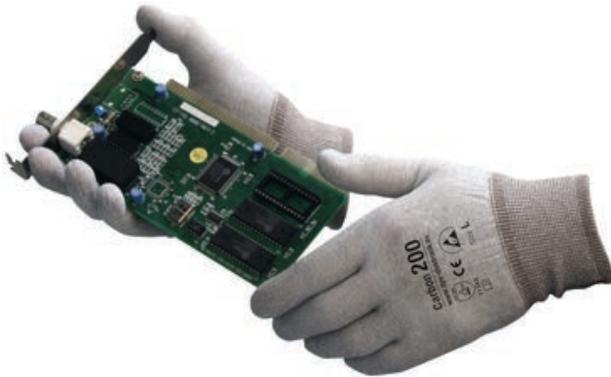
Safety closure (opens when pulling hard)

dpvlink 7884

Article	Type
5221.323	ESD Lanyard



ESD gloves



ESD gloves are used to dissipate static electricity. This is necessary because susceptible electronics can be damaged or even destroyed by static discharge if the mounting is made without ESD protection.

ESD gloves must fulfill strict requirements with regard to the electrostatic dissipation.

Gloves EPGA® LEO textile

The gloves of the LEO series are ideal for all dry areas in electronics production. The seamlessly finished textile mixed fabric of the gloves is breathable and combines a perfect fit with a comfortable wearing. Due to the knitted antistatic agent the gloves of type LEO have very good dissipation values. The antistatic agent is not resistant to water and cleanser.

ESD gloves LEO 100 / 200



Gloves made of textile mixed fabric, not washable, very good dissipation values, seamlessly finished, perfect fit, comfortable to wear.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL, XXL (model LEO 200 also available in XS)



dpvlink 8343

Article	Type	Size	Color
2070.3100	ESD glove LEO 100	S-XXL	white
2070.3200	ESD glove LEO 200	XS-XXL	grey
2070.3100.SET	ESD glove LEO 100, set mixed sizes S-XXL		white
2070.3200.SET	ESD glove LEO 200, set mixed sizes XS-XXL		grey



ESD gloves LEO 105 / 205



Gloves made of textile mixed fabric, not washable, very good dissipation values due to knitted antistatic agents, seamlessly finished, perfect fit, comfortable to wear

- PU-coated fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL



dpvlink 8404

Article	Type	Size	Color
2070.3105	ESD glove LEO 105	XS-XXL	white
2070.3205	ESD glove LEO 205	XS-XXL	grey
2070.3105.SET	ESD glove LEO 105, set mixed sizes XS-XXL		white
2070.3205.SET	ESD glove LEO 205, set mixed sizes XS-XXL		grey



ESD gloves LEO 110 / 210



Gloves made of textile mixed fabric, not washable, very good dissipation values due to knitted antistatic agent, seamlessly finished, perfect fit, comfortable to wear.

- PU-coated palm and fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL, XXL (model LEO 210 also available in XS)



dpvlink 8406

Article	Type	Size	Color
2070.3110	ESD glove LEO 110	S-XXL	white
2070.3210	ESD glove LEO 210	XS-XXL	grey
2070.3110.SET	ESD glove LEO 110, set mixed sizes S-XXL		white
2070.3210.SET	ESD glove LEO 210, set mixed sizes XS-XXL		grey



### ESD gloves LEO 125 PLUS



Flexible gloves of very fine nylon fabric, not washable, very high dissipation values due to knitted antistatic agent, seamlessly processed, perfect fit, comfortable wearing, with coated PU fingertips.

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

available sizes: XS, S, M, L, XL, XXL



dpvlink 17858

Article	Type	Size	Color
2070.3125	ESD glove LEO 125+	XS-XXL	white
2070.3125.SET	ESD glove LEO 125+, set mixed sizes XS-XXL		white



### ESD gloves LEO 130 PLUS



Flexible gloves of very fine nylon fabric, not washable, very high dissipation values due to knitted antistatic agent, seamlessly processed, perfect fit, comfortable wearing, PU coated palm and fingertips.

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

available sizes: XS, S, M, L, XL, XXL



dpvlink 17864

Article	Type	Size	Color
2070.3130	ESD glove LEO 130+	XS-XXL	white
2070.3130.SET	ESD glove LEO 130+, set mixed sizes XS-XXL		white



### Gloves EPAglove® CARBON textile

#### ESD glove Carbon 200 STANDARD



Gloves made of textile mixed fabric with carbon fiber, breathable, dissipative, seamlessly finished, perfect fit, comfortable to wear.

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Available sizes: S, M, L, XL, XXL



dpvlink 16324

Article	Type	Size	Conductive fiber
2070.4200	ESD glove Carbon 200 STANDARD	S-XXL	Carbon
2070.4200.SET	ESD glove Carbon 200 STANDARD, set mixed sizes XS-XXL		Carbon



#### ESD glove Carbon 205 AMPERE



Gloves made of mixed textile fabric with carbon fibers, breathable, dissipative, seamlessly finished, perfect fit, comfortable to wear.

- PU-coated fingertips

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Available sizes: XS, S, M, L, XL, XXL



dpvlink 16325

Article	Type	Size	Conductive fiber
2070.4205	ESD glove Carbon 205 AMPERE	XS-XXL	Carbon
2070.4205.SET	ESD glove Carbon 205 AMPERE, set mixed sizes XS-XXL		Carbon



### ESD glove Carbon 210 VOLT



Gloves made of textile mixed fabric (75% nylon, 25% carbon), breathable back of the hand, dissipative, seamlessly finished, perfect fit, comfortable to wear.

- PU-coated palm and fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: XS, S, M, L, XL, XXL



**dpvlink 19486**

Article	Type	Size	Conductive fiber	
2070.4210	ESD glove Carbon 210 VOLT	XS-XXL	Carbon	
2070.4210.SET	ESD glove Carbon 210 VOLT, set mixed sizes XS-XXL		Carbon	

### Gloves EPAglove® COPPER textile

The gloves COPPER made of textile mixed fabric with woven conductive copper fibers offer a very good, durable dissipation. All gloves are seamlessly finished and combine perfect fit with comfortable wearing.

In compliance with the ESD standard DIN EN 61340-5-1 

### ESD glove Copper 100 STANDARD



Gloves made of textile mixed fabric with copper fibers, breathable, dissipative, seamlessly finished, perfect fit, comfortable to wear.

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL, XXL



**dpvlink 411**

Article	Type	Size	Conductive fiber	
2070.3355	ESD glove Copper 100 STANDARD	S-XXL	Copper	
2070.3355.SET	ESD glove Copper 100 STANDARD, set mixed sizes S-XXL		Copper	

### ESD glove Copper 105 AMPERE



Gloves made of textile mixed fabric with copper fibers, breathable, dissipative, seamlessly finished, perfect fit, comfortable to wear

- PU-coated fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL, XXL



**dpvlink 415**

Article	Type	Size	Conductive fiber	
2070.4105	ESD glove Copper 105 AMPERE	S-XXL	Copper	
2070.4105.SET	ESD glove Copper 105 AMPERE, set mixed sizes S-XXL		Copper	

### ESD glove Copper 110 VOLT



Gloves made of textile mixed fabric with copper fibers, breathable, dissipative, seamlessly finished, perfect fit, comfortable to wear

- PU coated palm and fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL, XXL



**dpvlink 417**

Article	Type	Size	Conductive fiber	
2070.4110	ESD glove Copper 110 VOLT	S-XXL	Copper	
2070.4110.SET	ESD glove Copper 110 VOLT, set mixed sizes S-XXL		Copper	

**ESD glove Copper 115 MICRODOTS**



Gloves made of textile mixed fabric with copper fibers, breathable, dissipative, seamlessly finished, perfect fit, comfortable to wear

- palm with PVC micro dots

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Available sizes: S, M, L, XL, XXL



**dpvlink 413**

Article	Type	Size	Conductive fiber
2070.4115	ESD glove Copper 115 MICRODOTS	S-XXL	Copper
2070.4115.SET	ESD glove Copper 115 MICRODOTS, set mixed sizes S-XXL		Copper



**Gloves EPAglove® CUT textile**

**Cut protection glove CUT-505**



Gloves of textile mixed fabric with carbon fibers (Chineema 400D, nylon 75D, Spandex 40D), back of the hand breathable, dissipative, seamless, comfortable to wear

- PU-coated palm and fingertips
- cut resistance class 5 (Coup test)

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Available sizes: S, M, L, XL, XXL



**dpvlink 19674**

Article	Type	Size	Conductive fiber
2070.4505	Cut protection glove ESD Type CUT-505	S-XXL	Carbon



**Gloves polyester**



The gloves made of polyester with woven, conductive carbon fibers have good dissipation values and are suitable for the use in cleanrooms.

**ESD glove YUKO**



ESD gloves YUKO made of polyester with conductive carbon fiber

- lint-free
- dissipative

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Available sizes: S, M, L, XL



**dpvlink 425**

Article	Type	Size
2071.5201	ESD glove YUKO Eco	S-XL
2071.5201.SET	ESD glove YUKO Eco, set mixed sizes S-XL	



**ESD glove MEGUMI**



ESD gloves MEGUMI made of polyester with conductive carbon fiber

- PU-coated palm (antistatic)
- lint-free
- dissipative

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

Available sizes: S, M, L, XL



**dpvlink 22641**

Article	Type	Size
2071.5234	ESD glove MEGUMI Eco	S-XL
2071.5233.SET	ESD glove MEGUMI Eco, set mixed sizes S-XL	



### ESD glove MIKA



ESD gloves MIKA made of polyester with conductive carbon fiber

- lint-free
- dissipative
- palm with plastic dots (antistatic)

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: S, M, L, XL



**dpvlink 421**

Article	Type	Size	
2071.5241	ESD glove MIKA Eco	S-XL	
2071.5242	ESD glove MIKA Eco II with cuffs	S-XL	
2071.5241.SET	ESD glove MIKA Eco, set mixed sizes S-XXL		
2071.5242.SET	ESD glove MIKA Eco II avec cuffs, set mixed sizes S-XXL		

### Gloves TEGERA

#### ESD glove TEGERA 30



ESD glove TEGERA 30 made of goatskin with nylon back

- high-quality materials
- dissipative
- reinforced index finger
- better fit due to elastic band

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11



**dpvlink 12925**

Article	Type	Size	Color	
2070.TEGERA30	ESD glove TEGERA 30	5-11	blue / white	

#### ESD glove TEGERA 9101



ESD glove TEGERA 9101 made of Microthan/nylon/carbon fiber

- high-quality materials
- dissipative
- chrome- and silicone-free
- better fit due to elastic band

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10



**dpvlink 12927**

Article	Type	Size	Color	
2070.TEGERA9101	ESD glove TEGERA 9101	5-10	black / white	

#### ESD glove TEGERA 800



Thin ESD glove TEGERA 800 made of carbon fibers, polyester.

- good fitting
- breathable
- good sensitivity of the fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



**dpvlink 26028**

Article	Type	Size	Color	
2070.TEGERA800	ESD glove TEGERA 800	5-12	grey	

**ESD glove TEGERA 801**

**NEU** ■ TEGERA® 

Thin ESD glove TEGERA 801 made of carbon fibers, polyester, polyurethane.

- good fitting
- breathable
- good sensitivity of the fingertips
- PU-coated fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



**dpvlink 26030**

Article	Type	Size	Color
2070.TEGERA801	ESD glove TEGERA 801	5-12	grey / white



**ESD glove TEGERA 802**

**NEU** ■ TEGERA® 

Thin ESD glove TEGERA 802 made of carbon fibers, polyester, polyurethane.

- good fitting
- breathable
- good sensitivity of the fingertips
- PU-coated fingertips

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



**dpvlink 26032**

Article	Type	Size	Color
2070.TEGERA802	ESD glove TEGERA 802	5-12	grey / white



**ESD glove TEGERA 805**

■ TEGERA® 

ESD glove TEGERA 805 made of 90% nylon, 10% carbon fibers

- breathable
- high-quality materials
- comfortable
- suitable for dry and clean areas

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 6, 7, 8, 9, 10, 11



**dpvlink 19593**

Article	Type	Size	Color
2070.TEGERA805	ESD glove TEGERA 805	6-11	grey



**ESD glove TEGERA 810**

■ TEGERA® 

ESD glove TEGERA 810 made of 80% nylon, 10% polyurethane, 10% carbon fibers

- PU-coated fingertips
- high-quality materials
- suitable for the use in dry areas and cleanrooms
- smooth surface

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11



**dpvlink 19591**

Article	Type	Size	Color
2070.TEGERA810	ESD glove TEGERA 810	5-11	grey



**ESD glove TEGERA 811**



ESD glove TEGERA 811 made of 60% nylon, 30%, polyurethane, 10% carbon fibers

- PU-coated palm
- comfortable
- robust
- suitable for dry areas and cleanroom
- smooth surface

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 6, 7, 8, 9, 10



[dpvlink 19589](#)

Article	Type	Size	Color
2070.TEGERA811	ESD glove TEGERA 811	6-10	grey / white



**ESD glove TEGERA 806**



Thin ESD glove TEGERA 806 made of polyethylene, carbon fibers, glass fiber filaments, polyester, elastane.

- cut protection glove class C
- breathable
- very good sensitivity of the fingertips
- good fitting
- latex-free
- suitable for dry and clean areas

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



[dpvlink 25754](#)

Article	Type	Size	Color
2070.TEGERA806	ESD glove TEGERA 806	6-12	grey / blue



**ESD glove TEGERA 803**



Thin ESD glove TEGERA 803 made of polyethylene, carbon fibers, glass fiber filaments, polyester, elastane.

- PU-coated palm
- cut protection glove class B
- suitable for touchscreen
- breathable
- good sensitivity of the fingertips
- good fitting
- suitable for dry and clean areas

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



[dpvlink 25756](#)

Article	Type	Size	Color
2070.TEGERA803	ESD glove TEGERA 803	5-12	black / blue



**ESD glove TEGERA 804**



Thin ESD glove TEGERA 804 made of polyethylene, carbon fibers, glass fiber filaments, polyester, elastane.

- PU-coated palm
- cut protection glove class C
- suitable for touchscreen
- good sensitivity of the fingertips
- resistant to oils, greases
- latex-free
- heat-resistant up to 100°C

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



[dpvlink 25758](#)

Article	Type	Size	Color
2070.TEGERA804	ESD glove Tegera 804	6-11	black / grey



**ESD glove TEGERA 879**



Ultra-thin ESD glove TEGERA 879 made of nitrile foam, carbon fibers, nylon, elastane.

- PU-coated palm
- foam grip pattern
- latex-free
- suitable for touchscreen
- breathable
- good sensitivity of the fingertips
- good fitting
- suitable for dry and clean areas

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



**dpvlink 25760**

Article	Type	Size	Color
2070.TEGERA879	ESD glove TEGERA 879	6-12	black / grey



**ESD glove TEGERA 877**



Very thin ESD glove TEGERA 877 made of polyethylene, carbon fibers, nylon.

- PU-coated palm
- smooth surface
- suitable for touchscreen
- breathable
- very good sensitivity of the fingertips
- good fitting
- suitable for dry and clean areas

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



**dpvlink 25764**

Article	Type	Size	Color
2070.TEGERA877	ESD glove TEGERA 877	5-12	black / blue



**ESD glove TEGERA 878**



Very thin ESD glove TEGERA 878 made of nylon.

- PU-coated palm
- smooth surface
- breathable
- good sensitivity of the fingertips
- very good fitting
- suitable for dry and clean areas

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 5, 6, 7, 8, 9, 10, 11, 12



**dpvlink 25762**

Article	Type	Size	Color
2070.TEGERA878	ESD glove TEGERA 878	5-12	white



Disposable gloves

Disposable nitrile gloves ESD 



- antistatic
- powder-free and silicone-free
- textured gripping surface
- 100% nitrile
- without plasticizer
- available sizes: S (7), M (8), L (9), XL (10)

In compliance with the ESD standard 61340-5-1 

**Advantages:**

- Prevents latex allergies (type I)
- High protection against penetrating chemicals and chemical splashes
- Chlorinated glove for more comfort and grip as well as reduced bonding
- Wearing comfort like a second skin, more pleasant texture and easy to put on
- Low Modulus for a pleasant fit and lower fatigue
- Structured surface of the fingertips for a better grip

**dpvlink 23094**

Article	Size	L [mm]	Thickness [mm]	PU	Packing
2750.7550	S-XL	240	0,10	100 piece	carton



Disposable PVC glove ESD 



Disposable ESD glove of 100% PVC

- antistatic
- non-powdered
- chemical-resistant
- latex-free
- suitable for touchscreen
- thickness 0.08 or 0.10 mm

In compliance with the ESD standard DIN EN 61340-5-1 

Available sizes: 7, 8, 9, 10,11



**dpvlink 25766**

Article	Size	L [mm]	Thickness [mm]	PU	Packing
2070.TEGERA819A	7-11	240	0.08	100 piece	carton
2070.TEGERA825A	7-11	240	0,10	100 piece	carton



Disposable vinyl gloves ESD 



- antistatic
- long design
- suitable for ISO 5
- PU = 1.000 pcs per box
- Available sizes: S, M, L, XL

In compliance with the ESD standard 61340-5-1 

**dpvlink 427**

Article	Type	Size
2750.000	Vinyl glove	S-XL



Underneath half-finger glove 



- light nylon fabric
- suitable for wearing underneath vinyl gloves
- unlimited sensitivity of the fingertips
- one size fits all

**dpvlink 429**

Article	Type	Size
2071.9913	Underneath half-finger glove	One size fits all



Finger cots 

Finger cots, antistatic 



Finger cots are important when handling sensitive components. They assure the protection of the products against static discharge and avoid finger prints.

In compliance with the ESD standard DIN EN 61340-5-1  PU = 1440 pcs

**dpvlink 435**

Article	Type	Size	Color
2750.100	Finger cots latex	S-XL	rose
2750.105	Finger cots nitrile	S-XL	white
2750.101	Finger cots latex with textured fingertips	S-XL	rose



Finger cots, conductive 



Finger cots are important when handling sensitive components. They assure the protection of the products against static discharge and avoid finger prints.

conductive  PU = 1440 pcs.

**dpvlink 433**

Article	Type	Material	Size	Color
2750.110	Finger cots	natural rubber latex	S-XL	black



Moisturizing Lotion

I.C. Hand moisturizing lotion "BLUE"



ESD hand moisturizing lotion with aloe vera, improves the contact with wrist straps, keeps the hands moist without any risk of contamination; silicone-free, quickly absorbed.

dpvlink 7555

Article	Type
2070.1642.235	I.C. hand moisturizing lotion "BLUE" 235 ml / dispenser bottle
2070.1642.235-ESD	I.C. hand moisturizing lotion "BLUE" ESD 250 ml / dissipative ESD dispenser bottle
2070.1642.470-ESD	I.C. hand moisturizing lotion "BLUE" ESD 470 ml / ESD dissipative dispenser with hand pump
2070.1642.940	I.C. hand moisturizing lotion "BLUE" 940 ml / dispenser with hand pump
2070.1642.3780	I.C. hand moisturizing lotion "BLUE" 3,780 ml / bottle
2070.1642.940.BR	Wall holder for 940 ml dispenser

ESD Wrist straps

Flexible wrist straps type 2204



- extremely durable elasticity
- comfortable and reliable wearing comfort, 360° contact
- washable
- adjustable to any wrist size
- 3 mm snap

dpvlink 11234

Article	Color	Connection
3M-2204	red	snap 3 mm

Elastic wrist straps type A



**Elastic wrist straps -adjustable by fastening-**  
with woven conductive fibers, without metal contact plate - antiallergenic -

dpvlink 3437

Article	Color	Connection
2050.750.3	light blue	snap 3 mm
2051.750.3	dark blue	snap 3 mm
2050.750.7	light blue	snap 7 mm
2050.750.10	light blue	snap 10 mm
2051.750.10	dark blue	snap 10 mm

Elastic wrist straps type B



**Elastic wrist straps -internally adjustable-**  
with woven conductive fibers, without metal contact plate - antiallergenic -

dpvlink 3456

Article	Color	Connection
2060.220.3	red	snap 3 mm
2061.220.3	yellow	snap 3 mm
2062.220.3	light blue	snap 3 mm
2063.220.3	dark blue / yellow	snap 3 mm
2064.220.3	black	snap 3 mm
2060.220.10	red	snap 10 mm
2061.220.10	yellow	snap 10 mm
2062.220.10	light blue	snap 10 mm
2063.220.10	dark blue / yellow	snap 10 mm
2064.220.10	black	snap 10 mm

Thermoplastic wrist strap type 4620



- cleanroom compatible
- attractive light strap with high wearing comfort
- hygienic and cleanable wrist strap
- one size fits all

dpvlink 11236

Article	Color	Connection
3M-4620	blue	snap 3 mm
3M-4620-10	blue	snap 10 mm

Metal wrist strap type standard



**Metal wrist strap type standard**  
adjustable, exchangeable plastic elements

outside with insulating epoxy resin coating

dpvlink 3477

Article	Color	Connection
2050.750.5.3	light blue	snap 3 mm
2050.750.5.10	light blue	snap 10 mm
2051.750.5.3	black	snap 3 mm
2051.750.5.10	black	snap 10 mm

Metal wrist strap type Speidel



**Metal wrist strap type Speidel**  
adjustable on the connection plate;  
outside with insulating epoxy resin coating - antiallergenic -

dpvlink 3532

Article	Color	Connection
2052.750.5.3	black	snap 3 mm
2052.750.5.10	black	snap 10 mm

**Grounding cable**

**Grounding cable / spiral cable**



Grounding cable, highly elastic spiral cable; safety resistance 2 x 1 MOhm

Connection type: snap on both sides

dpvlink 3542			
Article	Color	Connection	Cable length
2100.752.3.4	light blue	snap 3 mm / 4 mm	2.4 m
2101.752.3.4	black	snap 3 mm / 4 mm	2.4 m
2100.752.3.10	light blue	snap 3 mm / 10 mm	2.4 m
2101.752.3.10	black	snap 3 mm / 10 mm	2.4 m
2101.752.3.10.360	black	snap 3 mm / 10 mm	3.6 m
2100.752.7.10	light blue	snap 7 mm / 10 mm	2.4 m
2100.752.10.10	light blue	snap 10 mm / 10 mm	2.4 m
2101.752.10.10	black	snap 10 mm / 10 mm	2.4 m
2101.752.10.10.360	black	snap 10 mm / 10 mm	3.6 m
2101.752.10.10.500	black	snap 10 mm / 10 mm	5.0 m

**Grounding cable / spiral cable**



Highly elastic grounding cable, 1 MOhm safety resistance

Connection type: snap, 4 mm banana plugs (BA), other

dpvlink 3551			
Article	Color	Connection	Cable length
2100.751.3	light blue	snap 3 mm / BA + alligator clip	2.4 m
2101.751.3	black	snap 3 mm / BA + alligator clip	2.4 m
2100.751.7	light blue	snap 7 mm / BA + alligator clip	2.4 m
2100.751.10	light blue	snap 10 mm / BA + alligator clip	2.4 m
2101.751.10	black	snap 10 mm / BA + alligator clip	2.4 m
2100.751.10.360	light blue	snap 10 mm / BA + alligator clip	3.6 m
2101.751.3.0	black	snap 3 mm / BA safety plug	2.4 m
2100.751.10.0	light blue	snap 10 mm / BA safety plug	2.4 m
2101.751.10.0	black	snap 10 mm / BA safety plug	2.4 m
2101.751.3.2	black	snap 3 mm / socket 4 mm angled GSGS2.4 m system, compatible with 3M	
2101.751.10.2	black	snap 10 mm / eye M5	2.4 m

**Mini spiral cable**



Mini spiral cable, ultralight, high elasticity safety resistance 2 x 1 MOhm

Connection type: Snap  
Banana plugs 4 mm (BA)

dpvlink 3589			
Article	Color	Connection	Cable length
2101.780.3.10	black	snap 3 mm / 10 mm	2.4 m
2101.780.3	black	snap 3 mm / BA	2.4 m

**Grounding wires / connecting cables**



Grounding wire, smooth cable with 1 MOhm safety resistance

Connection type: snap, banana plugs 4 mm (BA), other

dpvlink 3593			
Article	Color	Connection	Cable length
2250.756	black	snap 10 mm / BA	1.5 m
2250.756.2	black	snap 10 mm / eye M5	1.5 m
2250.756.10	black	snap 10 mm / 10 mm	1.5 m
2250.765	black	snap 10 mm / BA	3.0 m
2250.765.2	black	snap 10 mm / eye M5	3.0 m
2250.765.10	black	snap 10 mm / 10 mm	3.0 m
2250.757	black	snap 10 mm / stackable + BA socket/BA	3.0 m
2250.769.A10.2	black	snap 10 mm sloped / screw eye M5	4.6 m
2250.790	black	snap 10 mm sloped / screw eye M4	1.8 m
2250.790.2	black	snap 10 mm sloped / screw eye M4	4.5 m

Connecting cables, smooth cable, without resistance. Connection type: snap, eyelet M4

dpvlink 3625			
Article	Color	Connection	Cable length
2250.761	black	snap 10 mm / 10 mm	0.2 m
2250.762	black	snap 10 mm / 10 mm	1.5 m
2250.762.2	black	snap 10 mm / eye M5	1.5 m
2250.763	black	eye M4 / eye M4	1.5 m
2250.764	black	snap 10 mm / 10 mm	3.0 m
2250.764.2	black	snap 10 mm / eye M5	3.0 m

Further lengths from 0.20 - 10.0 m available on request

**Twin conductor fabric wrist strap**



Twin conductor wrist strap ++ Series 2300++; adjustable; only suitable for cable series 2300

dpvlink 11258		
Article	Color	Material
3M-2368	turquoise	fabric

**Thermoplastic twin conductor wrist strap**



Twin conductor wrist strap ++ Series 2300++; adjustable; only suitable for cable series 2300

dpvlink 14054		
Article	Color	Material
3M-4720	blue	thermoplastic

Twin conductor metal wrist straps



Twin conductor metal wrist straps ++ Series 2300++ in different sizes; only suitable for cable series 2300

dpvlink 14055

Article	Color	Material	Size
<b>Twin conductor metal wrist straps</b>			
3M-2384	black	metal	S
3M-2385	black	metal	M
3M-2386	black	metal	L



Twin conductor spiral cable 2300 series



Twin conductor spiral cable 1.5 - 3 m, two-wire, 3M-plug / jack plug 3.5 mm ++ series 2300++; only suitable for twin conductor wrist straps

dpvlink 11262

Article	Color	Connection	Cable length	Connector
<b>Twin conductor spiral cable 2300 series</b>				
3M-2360	grey	jack plug 3.5 mm	1.5 m	straight
3M-2370	grey	jack plug 3.5 mm	3.0 m	straight
3M-2371	grey	jack plug 3.5 mm	6.0 m	straight
3M-2360R	grey	jack plug 3.5 mm	1.5 m	angled
3M-2370R	grey	jack plug 3.5 mm	3.0 m	angled



Grounding plugs / boxes

Grounding plug, yellow with 3 ports



Grounding plug yellow, with 3 ports, big plug with plastic holding pins, snap 1 MOhm safety resistance per port

dpvlink 3663

Article	Color	Connection	Version
<b>Grounding plug, yellow with 3 ports</b>			
2201.230	yellow	3 x snap 10 mm	EU
2201.230.CH	yellow	3 x snap 10 mm	Switzerland
2201.231	yellow	2 x snap 10 mm + 1 x BA safety socket	EU
2201.231.CH	yellow	2 x snap 10 mm + 1 x BA safety socket	Switzerland
2201.233	yellow	2 x snap 10 mm + 1 x 5 mm screw connector / with knurled nut (for eye M4/M5)	EU
2201.233.CH	yellow	2 x snap 10 mm + 1 x 5 mm screw connector / with knurled nut (for eye M4/M5)	Switzerland
2201.234	yellow	3 x BA safety socket	EU
2201.234.CH	yellow	3 x BA safety socket	Switzerland



further versions available on request

Grounding plug



Grounding plug with 1 port, smooth cable length 1.5 m, plug with plastic holding pins 1 MOhm safety resistance

dpvlink 3650

Article	Color	Connection	Version
<b>Grounding plug</b>			
2200.101	yellow / black	snap 10 mm	EU
2200.101.CH	yellow / black	snap 10 mm	Switzerland
2200.103	yellow / black	eye M4	EU
2200.103.CH	yellow / black	eye M4	Switzerland



Grounding plug, spiral cable



Grounding plug with 1 port, spiral cable 2.4 m long, with plastic holding pins 2 MOhm safety resistance

dpvlink 3654

Article	Color	Connection	Version	Cable length
<b>Grounding plug, spiral cable</b>				
2200.111	yellow / black	snap 10 mm	EU	2.4 m
2200.111.CH	yellow / black	snap 10 mm	Switzerland	2.4 m
2200.112	yellow / black	snap 4 mm	EU	2.4 m
2200.112.CH	yellow / black	snap 4 mm	Switzerland	2.4 m
2200.113	yellow / black	eye M4	EU	2.4 m
2200.113.CH	yellow / black	eye M4	Switzerland	2.4 m



Grounding box with 3 ports



Grounding box with 3 ports, laterally mounted, flat design (depth 17 mm) as a central grounding terminal, grounding wire 2 m with screw eye M4 / plug 1 MOhm safety resistance per port LxWxH: 110x38x17mm

dpvlink 3697

Article	Color	Connection	Version	Connector
<b>Grounding box with 3 ports</b>				
2200.6603	yellow	3 x snap 10 mm	EU	screw eye M4
2201.6603	yellow	3 x snap 10 mm	EU	connector plug
2201.6603.CH	yellow	3 x snap 10 mm	Switzerland	connector plug



Grounding box with 3 ports



Grounding box with 3 ports, laterally mounted at right angle, as central grounding terminal, grounding cable 3 m with screw eye M4 / plug 1 MOhm safety resistance per port LxWxH: 72x37x38mm

dpvlink 8625

Article	Color	Connection	Version	Connector
<b>Grounding box with 3 ports</b>				
2200.6503	yellow	3 x snap 10 mm	EU	screw eye M4
2201.6503	yellow	3 x snap 10 mm	EU	connector plug
2201.6503.CH	yellow	3 x snap 10 mm	Switzerland	connector plug



### Grounding box with 3 ports



Grounding box with 3 ports, laterally mounted at right angle, as central grounding terminal, grounding wire 3 m with screw eye M4 / plug  
1 MOhm safety resistance per port   
LxWxH: 72x37x38mm

**dpvlink 8628** 

Article	Connection	Version	Connector
<b>Grounding box with 3 ports</b>			
2200.6522	1 x snap 10 mm (A) / 2 x BA safety socket 4 mm (D)	EU	screw eye M4
2201.6522	1 x snap 10 mm (A) / 2 x BA safety socket 4 mm (D)	EU	connector plug
2201.6522.CH	1 x snap 10 mm (A) / 2 x BA safety socket 4 mm (D)	Switzerland	connector plug

### Grounding box with 3 ports



Grounding box with 3 laterally mounted ports, for use as central grounding terminal, grounding wire 2 m with screw eye M4, each plug 1 MOhm safety resistance 

**dpvlink 3685** 

Article	Color	Connection
<b>Grounding box with 3 ports</b>		
2200.121.10.AW	yellow	2 x snap 10 mm + 1 x BA safety socket
2200.121.10.1.AW	yellow	3 x snap 10 mm
2200.121.10.2.AW	yellow	2 x BA safety socket 4 mm / snap 10 mm

### Grounding box with 4 ports



Grounding box with 4 laterally mounted ports, as a central grounding reference point, mounting plates, grounding wire 2.5 m with screw eye M4  
1 MOhm safety resistance per port 

**dpvlink 3677** 

Article	Color	Connection
<b>Grounding box with 4 ports</b>		
2200.121.10	black / yellow	2 x snap 10 mm + 1 x BA safety socket / screw connector with knurled nut (for eye M4/M5)
2200.121.11	black / yellow	3 x snap 10 mm / screw connector with knurled nut (for eye M4/M5)
2200.121.13	black / yellow	1 x snap 10 mm + 2 x BA socket 4 mm / screw connector with knurled nut (for eye M4/M5)

### Grounding box with 4 ports



Grounding box with 4 laterally mounted ports, as a central grounding reference point, mounting plates, grounding wire 2.5 m, plugs with plastic holding pins  
1 MOhm safety resistance per port 

**dpvlink 3681** 

Article	Color	Connection	Version
2201.121.10	black / yellow	2 x snap 10 mm + 1 x BA safety socket / screw connector with knurled nut (for eye M4/M5)	EU
2201.121.10.CH	black / yellow	2 x snap 10 mm + 1 x BA safety socket / screw connector with knurled nut (for eye M4/M5)	Switzerland
2201.121.11	black / yellow	3 x snap 10 mm / screw connector with knurled nut (for eye M4/M5)	EU
2201.121.11.CH	black / yellow	3 x snap 10 mm / screw connector with knurled nut (for eye M4/M5)	Switzerland

### Grounding box with 6 ports



Grounding box with 6 ports, for use as central grounding reference point, grounding wire 2.5 m with screw eye M4, mounting plates, each port 1 MOhm safety resistance 

**dpvlink 3665** 

Article	Color	Connection	Cable length
<b>Grounding box with 6 ports</b>			
2200.311	black / yellow	6 x snap 10 mm	2.5 m

### Grounding box with 6 ports



Grounding box with 6 ports mounted at the top, as a central grounding reference point, mounting plates, grounding wire 2.5 m / plug with plastic holding pins  
1 MOhm safety resistance per port 

**dpvlink 3669** 

Article	Color	Connection	Version	Cable length
<b>Grounding box with 6 ports</b>				
2201.311	black / yellow	6 x snap 10 mm	EU	2.5 m
2201.311.CH	black / yellow	6 x snap 10 mm	Switzerland	2.5 m

### Central grounding box



Terminal block for the connection of max. 7 grounding wires with screw eyes M4, for the contact with ESD or protective ground.

**dpvlink 10128** 

Article	Type	Connection
2200.B	Central grounding terminal	7 screw connections for 4 m eye strip

**Grounding box - customer-specific -**



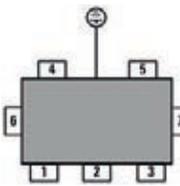
Grounding box for use as central grounding terminal, grounding wire 2.5 m available with plug or screw eye M4, each port 1 MOhm safety resistance

The number of connections may vary between 1 and 7.

**Connections / Contacts:**

- Type A snap 10 mm
- Type B snap 7 mm
- Type C snap 4 mm
- Type D safety sockets for 4 mm banana plug
- Type F safety connector with knurled nut for eye M4/M5
- Type G connection cable approx. 20 cm / eye 4M (for table fame)
- Type H further contacts on request

**Example:**



- Connection 1-3 3 x snap 10 mm (connection type A)
- Connection 4-5 2 x snap 4 mm (type C)
- Connection 6-7 2 x safety socket (type D)

Incl. grounding wire 2.5 mm / eye M4

**dpvlink 3692**

Article	Type
2201.spez	Grounding box - customer-specific -



**Central grounding strip for floor systems**



Terminal strip for the grounding of floor systems, consisting of:

- clamping plate with two screws
- 2m self-adhesive copper tape reel
- protective lid
- banana plug socket for connecting the measuring line of a resistance tester
- ESD symbol

**dpvlink 17661**

Article	Type
2200.BFE	Central grounding strip for floor systems



**Grounding distributor with 8 connectors**



Grounding distributor with 8 connectors mounted on the top, as central grounding reference point, grounding cable 2 m / Schuko dummy plug

In compliance with the ESD standard DIN EN 61340-5-1

**dpvlink 26190**

Article	Color	Version
7110.E8.Y	white / yellow	EU



**Accessories**



**dpvlink 3642**



2287.10.4 **Banana plug adapter, insulated**  
10 mm snap / 4 mm snap on BA



2287.10.10 **Banana plug adapter, insulated**  
10 / 10 mm snap stackable on BA



2280.778 **Conversion kit of 4 mm**  
Banana plug socket  
Snap system 10 mm



2280.771.WKZ **Riveting tool, large**  
for 10 mm snap



2280.772.WKZ **Riveting tool -small-**  
for 10 mm snaps



2280.771 **Snap 10 mm**  
Snap 10 mm base (ball + riveting part)



2280.773 **Alligator clip, small; uninsulated**



2280.774 **Alligator clip, large; VDE insulated**



2280.800 **Hollow punch**  
with aluminum plate 80x80x10 mm to punch holes for snap rivets in table and floor coverings, made of forged iron with hardened cutting edge



2280.778.6.7 **Snap adapter 7 mm**  
10 mm snap with hexagonal height 3.5 mm, threaded pin M6 x 16 mm hexagonal height + snap = 7 mm



2280.778.6.11 **Snap adapter 11 mm**  
10 mm snap with hexagonal height 7 mm, threaded pin M6 x 16 mm hexagonal height + snap = 11 mm



2280.80014 **Snap universal Kit, 10 mm snap, type 80014**  
Type 80014 - Charleswater consisting of: Snap towball 10 mm, snap spring element 10 mm, short + screw, washer, EPA bonding label, screw base



2280.80016 **Snap universal Kit 2, 10 mm snap, type DPV**  
consisting of: 10 mm snap towball, screw, washer, EBP label, screw base (5-part) for table and floor coverings max. thickness 3.5 mm

**ESD Service-Kit**

**Service Kit**



Service Kit as a mobile, protected workstation in customer service. For the mobile use the service kit is packed in a durable, antistatic transport bag.

The kit consists of an edged, multi-layered, dissipative vinyl work mat, which is completed by a 3m ground wire with alligator clip and an adjustable wrist strap with spiral cable for personnel grounding.

nel grounding.

Tools and grounding systems can be kept in two separate, integrated pockets.

In compliance with ESD standard DIN EN 61340-5-1 

<b>dpvlink 2181</b>		
Article	Type	
2400.700.KIT	<b>Service Kit complete (red)</b> Mat: 610 x 610 mm	

**Service Kit ECOSTAT®**



The permanently dissipative Service Kit is suitable for mobile applications. The blue mat has seamed edges and can be simply folded and fixed with an elastic band.

The kit consists of a TPC mat (thermoplastic polyurethane), with 2 x 10 mm snaps, spiral cable with adjustable wrist strap, 3 m grounding cable with large crocodile clip (VDE).

In compliance with ESD standard DIN EN 61340-5-1 

<b>dpvlink 19823</b>		
Article	Type	
2400.FS.KIT	<b>Service Kit ECOSTAT®</b> Wrist strap and 3 m ground cable with large crocodile clip (VDE) Size: 650 mm x 600 mm	

**ESD Service Kit Type 726 ECO**



The ESD protection is often neglected or simply forgotten during mounting or installing work. But also in this case the endangering of ESD sensitive components and parts is very high.

The kit consists of a permanently dissipative vinyl work mat, is completed by a 3m ground wire with alligator clip and an adjustable wrist strap with spiral cable for personnel grounding.

Tools and grounding systems can be kept in two separate, integrated pockets.

In compliance with ESD standard DIN EN 61340-5-1 

<b>dpvlink 19992</b>		
Article	Type	
2401.726.ECO-red	<b>ESD Service Kit Type 726 ECO red</b> Mat: 650 x 600 mm	
2401.726.ECO-blue	<b>ESD Service Kit Type 726 ECO blue</b> Mat: 650 x 600 mm	

**Workplace sets**



**ESD Table sets, complete**

**Table sets, depending on model, consisting of:**

- Table mat of synthetic rubber  
600 x 900 mm or 600 x 1200 mm
- Selectable colors of mats:  
beige (.2), grey (.3), green (.4), light blue (.5)
- Accessory kit 1  
2050.750.3      Wriststrap snap 3 mm adjustable, light blue
- 2101.752.3.10      Grounding cable snap 3/10 mm spiral cable 2.4m, black
- 2200.101      Grounding plug snap 10 mm (Europe) dummy Schuko plug, smooth cable 1.5 m
- 2200.101.CH      Grounding plug snap 10 mm (Switzerland) Plug version Switzerland, smooth cable 1.5 m
- 2850.10050.EPA      Warning sign PVC 100x50 mm "ESD protected workplace"



**Table sets design Europe**

<b>dpvlink 3324</b>		
Article	Type	
1401.610	<b>Table set complete design 1</b> -Table mat 600 x 900 mm -Accessory kit 1 <b>Color of table mats selectable:</b> beige [2], grey [3], green [4], blue [5]	
1401.615	<b>Table set complete design 2</b> -Table mat 600 x 1200 mm -Accessory kit 1 <b>Color of the table mats selectable:</b> beige [2], grey [3], green [4], blue [5]	

**Table sets design Switzerland**

<b>dpvlink 12639</b>		
Article	Type	
1401.610.CH	<b>Table set complete design 1</b> -Table mat 600 x 900 mm -Accessory kit CH <b>Color of table mats selectable:</b> beige [2], grey [3], green [4], blue [5]	
1401.615.CH	<b>Table set complete design 2</b> -Table mat 600 x 1200 mm -Accessory kit CH <b>Color of table mats selectable:</b> beige [2], grey [3], green [4], blue [5]	

ESD Table/floor sets, complete



Table/floor sets; depending on model, consisting of: ⚠

- Table mat made of synthetic rubber**  
 600 x 900 mm article 1402.66 [...]S or  
 600 x 1220 mm article 1402.66 [...]S.2  
 Colors: beige [2], grey [3], green [4], blue [5]
-   
 beige

  
 platingrau

  
 spangrün

  
 hellblau
- MAT type astro ec material thickness 2 mm Design 3-6**  
 Color: grey/granular design (partly suitable for chair castors)  
 1200 x 1500 mm, size 1 [article 1250.653.1500] or  
 1200 x 2500 mm, size 2 [article 1250.653.2500]
  - MAT type MEGA material thickness 3.5 mm design 7-10**  
 Color: grey stone (suitable for chair castors)  
 1200 x 1500 mm, size 1 [article 1250.681.1500] or  
 1200 x 2500 mm, size 2 [article 1250.681.2500]
  - MAT type EL II material thickness 2 mm design 11-14**  
 Color: medium grey (partly suitable for chair castors)  
 1220 x 2000 mm, size 1 [article 1260.791.S] or  
 1500 x 2000 mm, size 2 [article 1260.791.S.1]
  - Accessory kit 2** for table / floor sets, including:  
**Wrist strap snap 3 mm**  
 Snap 3 mm, adjustable, blue [article 2050.750.3]  
**Grounding cable snap 3/10**  
 Spiral cable 2.4 m, black [article 2101.752.3.10]  
**2 x connecting cable snap 10 mm / eye M4**  
 smooth cable 1.5 m, black [article 2250.762.2]  
**Grounding box with 4 ports**  
 3 x snap 10 mm + 1 x screw connection with knurled nut M4  
 Grounding wire 2.5 m / dummy plug [article 2201.121.11]  
**ESD warning labels, PVC foil 40 x 90 mm**  
 "ESD protected workplace" [article 2850.10050.EPA]

All versions available with plug Switzerland

Table/floor sets designs 3-6

with mat type astro ec, material thickness 2 mm  
 Color: grey/granular design / synthetic rubber  
 1200 x 1500 mm, size 1 [article 1250.653.1500] or  
 1200 x 2500 mm, size 2 [article 1250.653.2500]  
 (partly suitable for chair castors, by fixation with double-sided adhesive tape or Quick-Lift fabric tape suitable for chair castors)



dpvlink 3327

Article	Type
1401.620	<b>Table/floor set complete Design 3</b> -Table mat 600 x 900 mm -Mat 1200 x 1500 x 2 mm -Accessory kit 2
1401.625	<b>Table/floor set complete Design 4</b> -Table mat 600 x 1200 mm -Mat 1200 x 1500 x 2 mm -Accessory kit 2
1401.630	<b>Table/floor set complete Design 5</b> -Table mat 600 x 900 mm -Mat 1200 x 2500 x 2 mm -Accessory kit 2
1401.635	<b>Table/floor set complete Design 6</b> -Table mat 600 x 1200 mm -Norastat mat 1200 x 2500 x 2 mm -Accessory kit 2

Table/floor sets designs 7-10

with mat type MEGA, material thickness 3.5 mm  
 Color: grey stone / synthetic rubber  
 1200 x 1500 mm, size 1 [article 1250.681.1500] or  
 1200 x 2500 mm, size 2 [article 1250.681.2500]  
 suitable for chair castors



dpvlink 3332

Article	Type
1401.665	<b>Table/floor set complete Design 7</b> -Table mat 600 x 900 mm -Mat 1200 x 1500 x 3.5 mm -Accessory kit 2
1401.675	<b>Table/floor set complete Design 8</b> -Table mat 600 x 1200 mm -Noraplan mat 1200 x 1500 x 3.5 mm -Accessory kit 2
1401.685.1	<b>Table/floor set complete Design 9</b> -Table mat 600 x 900 mm -Noraplan mat 1200 x 2500 x 3.5 mm -Accessory kit 2
1401.695	<b>Table/floor set complete Design 10</b> -Table mat 600 x 1200 mm -Noraplan mat 1200 x 2500 x 3.5 mm -Accessory kit 2

Table/floor sets designs 11-14

with mat type EL II, material thickness 2 mm  
 Color: medium grey / PVC/Vinyle  
 1220 x 2000 mm, size 1 [article 1260.791.S] or  
 1500 x 2000 mm, size 2 [article 1260.791.S.1]  
 (partly suitable for chair castors, by fixation with double-sided adhesive tape or Quick-Lift fabric tape suitable for chair castors)



dpvlink 3337

Article	Type
1401.720	<b>Table/floor set complete Design 11</b> -Table mat 600 x 900 mm -Canplan EL II floor mat 1220 x 2000 x 2 mm -Accessory kit 2
1401.725	<b>Table/floor set complete Design 12</b> -Table mat 600 x 1200 mm -Canplan EL II floor mat 1220 x 2000 x 2 mm -Accessory kit 2
1401.730	<b>Table/floor set complete Design 13</b> -Table mat 600 x 900 mm -Canplan EL II floor mat 1500 x 2000 x 2 mm -Accessory kit 2
1401.735	<b>Table/floor set complete Design 14</b> -Table mat 600 x 1200 mm -Canplan EL II floor mat 1500 x 2000 x 2 mm -Accessory kit 2

**ESD Table coverings synthetic rubber**

The table coverings made of synthetic rubber possess electrostatically conductive and dissipative characteristics. Especially in the electronics industry, they achieve a controlled potential equalization or a gentle discharge and protect thus persons, electronic components and equipment. With their high functionality, the table coverings have stood the test at numerous workplaces worldwide for many years.

**Table mats**



- suitable for loose laying as well as for bonding
- causes no corrosion on electronic contacts
- resistant to solder and heat up to 60°C
- dissipative, wear-resistant wear layer, high-impedance bottom layer
- easy to clean
- two-layer structure
- highly wear-resistant rubber material, permanently elastic
- abrasion-resistant
- dimensional stability
- environmentally friendly
- free from PVC, plasticizers, halogens and heavy metals

*(if necessary, fixation with double-sided adhesive tape or Quick-lift fabric tape)*

Material thickness: 2 mm  
Colors: beige, grey, green, blue



In compliance with ESD standard DIN EN 61340-5-1 

Complete with 2 snaps 10 mm on the short side and rounded corners, one with EBP sign  
- other ports available -

**dpvlink 2663**

Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>Table mats</b>				
1402.662.S.1	beige	600	600	2
1402.662.S	beige	600	900	2
1402.662.S.2	beige	600	1200	2
1402.662.S.3	beige	700	1200	2
1402.662.S.4	beige	800	1200	2
1402.663.S.1	grey	600	600	2
1402.663.S	grey	600	900	2
1402.663.S.2	grey	600	1200	2
1402.663.S.3	grey	700	1200	2
1402.663.S.4	grey	800	1200	2
1402.664.S.1	green	600	600	2
1402.664.S	green	600	900	2
1402.664.S.2	green	600	1200	2
1402.664.S.3	green	700	1200	2
1402.664.S.4	green	800	1200	2
1402.665.S.1	light blue	600	600	2
1402.665.S	light blue	600	900	2
1402.665.S.2	light blue	600	1200	2
1402.665.S.3	light blue	700	1200	2
1402.665.S.4	light blue	800	1200	2

**Table covering, rolls**



- suitable for loose laying as well as for bonding
- causes no corrosion on electronic contacts
- resistant to solder and heat up to 60°C
- dissipative, wear-resistant wear layer, high-impedance bottom layer
- easy to clean
- two-layer structure
- highly wear-resistant rubber material, permanently elastic
- abrasion-resistant
- dimensional stability
- environmentally compatible
- free from PVC, plasticizers, halogens and heavy metals

*(If necessary, fixation with double-sided adhesive tape or Quick-lift fabric tape)*

Material thickness: 2 mm  
Colors: beige, grey, green, blue



In compliance with ESD standard DIN EN 61340-5-1 

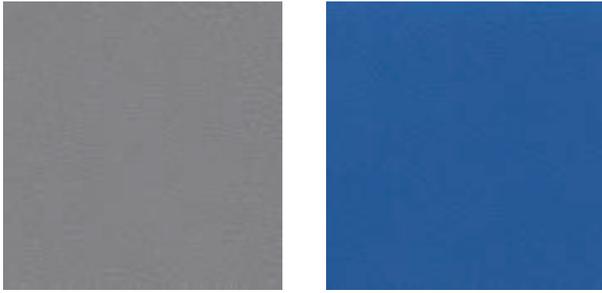
**dpvlink 2757**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Table covering, rolls</b>				
1402.662.R.061	beige	610	10	2
1402.662.R.100	beige	1000	10	2
1402.662.R	beige	1220	10	2
1402.663.R.061	grey	610	10	2
1402.663.R.100	grey	1000	10	2
1402.663.R	grey	1220	10	2
1402.664.R	green	1220	10	2
1402.665.R.061	light blue	610	10	2
1402.665.R.100	light blue	1000	10	2
1402.665.R	light blue	1220	10	2
1402.66[.].Z		Cutting		



Individual solutions - configure online  
Configurator for  
Table coverings / Floor coverings / Rolls

Table covering Soft



- Table mat of abrasion-resistant synthetic rubber
- three-layered composite material with foamed core
- Material thickness 3 mm
- 2 x 10 mm snap
- halogen-free
- permanently elastic
- extremely shock-absorbing
- solder- and heat-resistant up to 60°C
- volume conductive

In compliance with ESD standard DIN EN 61340-5-1

Querschnitt:



dpvlink 19721



Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>Table covering Soft mats</b>				
1432.663.SO.S	grey	600	900	3
1432.663.SO.S1	grey	600	600	3
1432.663.SO.S2	grey	1200	600	3
1432.663.SO.S3	grey	1200	700	3
1432.663.SO.S4	grey	1200	800	3
1432.665.SO.S	royal blue	600	900	3
1432.665.SO.S1	royal blue	600	600	3
1432.665.SO.S2	royal blue	1200	600	3
1432.665.SO.S3	royal blue	1200	700	3
1432.665.SO.S4	royal blue	1200	800	3

Table covering Soft rolls



dpvlink 19830



Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Table covering Soft rolls</b>				
1432.663.SO.R61	grey	610	10	3
1432.663.SO.R	grey	1220	10	3
1432.663.SO.Zuschnitt	grey	Cutting		
1432.665.SO.R61	royal blue	610	10	3
1432.665.SO.R	royal blue	1220	10	3
1432.665.SO.Zuschnitt	royal blue	Cutting		

ESD Vinyl table coverings

Table coverings made of dissipative vinyl type Typ 8200



The premium table and floor coverings of this product line consist of an unique three-layer structure. The top, permanently dissipative vinyl layer has a sufficiently low resistance for a safe discharge of statically charged conductors. The vinyl layer prevents short circuits between the contacts on the bottom of the PCBs placed onto the working surface. With its highly conductive property, the middle layer makes the most important contribution to the static discharge to ground. The third layer is made of dissipative, slip-resistant foam in order to ensure a safe and reliable hold on the floor surface.

Material thickness: 3.5 mm

Mats complete with 2 snap connectors 10 mm and rounded edges - other connectors also available

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 17149



Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>Table coverings made of dissipative vinyl type Typ 8200</b>				
3M-8223.DK	grey	900	600	3.5
3M-8224.DK	blue	900	600	3.5
3M-8213.DK	grey	1200	600	3.5
3M-8214.DK	blue	1200	600	3.5
3M-8203.DK	grey	1800	1200	3.5
3M-8204.DK	blue	1800	1200	3.5

Rolls

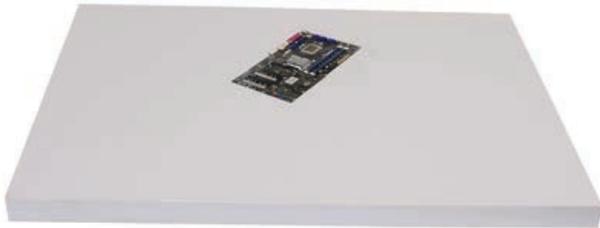
dpvlink 17159



Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Table coverings made of dissipative vinyl -rolls-</b>				
3M-82A3	grey	1220	15.24	3.5
3M-82A4	blue	1220	15.24	3.5

ESD Table plates / hard laminate HPL ESD

Table plates HPL-ESD 



- for the retrofitting of assembly and laboratory workplaces
- electrostatically volume conductive
- top made of dissipative hard laminate with chipboard, bonded with conductive adhesive
- bottom with back pull
- plastic edging band, grey
- standard thickness: 27 mm - special thicknesses available on request
- color: light grey

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 3342**

Article	Ausführung
1920.HPL-ESD	Table plate HPL ESD



ESD Shelf coverings

EVA Plastic shelf covering 



Covering made of EVA plastic suitable for shelves, tool cabinets, worktables, carts and transport trolleys, and other storage surfaces

Material thickness: 1.5 mm

Color: black

Maximum temperature: 50°C

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 13873**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>EVA Plastic shelf covering</b>				
1460.500.R.055	black	550	24	1.5
1460.500.R.110	black	1100	24	1.5
1460.500.Z	black	Cutting		1.5



Shelf covering, rolls 



Covering made of wear-resistant, synthetic rubber for shelves and storage surfaces; heat-resistant, volume conductive; suitable for loose laying / shelf surfaces.

*(If necessary, fixation with double-sided adhesive tape or Quick-Lift fabric tape)*

Material thickness: 1.5 mm

Color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 14539**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Shelf covering, rolls</b>				
1450.659.R	black	1220	10	1.5
1450.659.R61	black	610	10	1.5
1450.659.R40	black	400	10	1.5
1450.659.Z	black	Cutting		1.5



Grooved profile covering +NBR+ rolls 



Covering made of NBR (new rubber compound) for transport trolleys, tool cabinets, shelves and other storage surfaces; slip-resistant, volume conductive. Suitable for loose laying / shelf surfaces.

*(if necessary, fixation with double-sided adhesive tape or Quick-Lift fabric tape)*

Material thickness: 3 mm / groove profile

Color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 4095**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Grooved profile covering +NBR+ rolls</b>				
1451.7500.R.120	black	1200	10	3
1451.7500.Z	black	Cutting	-	3



Individual solutions - configure online  
Configurator for  
Table coverings / Floor coverings / Rolls

ESD Floor coverings

ESD covering rolls / cuttings

Noraplan® Flooring astro ec



- suitable for loose laying as well as for bonding
- causes no corrosion on electronic contacts
- solder- and heat-resistant
- resistant to cigarette burns
- easy to clean
- permanently elastic
- highly wear-resistant rubber material
- abrasion-resistant
- dimensional stability
- environmentally compatible
- free from PVC, plasticizers, halogens and heavy metals
- largely resistant to chemicals
- German proprietary brand

(fixation with double-sided adhesive tape or Quick-Lift fabric tape, fixed laying possible)

Material thickness: 2 mm  
Color: grey/granular design

In compliance with ESD standard DIN EN 61340-5-1

Floor mats

complete with 2 snaps 10 mm and rounded corners

dpvlink 14041

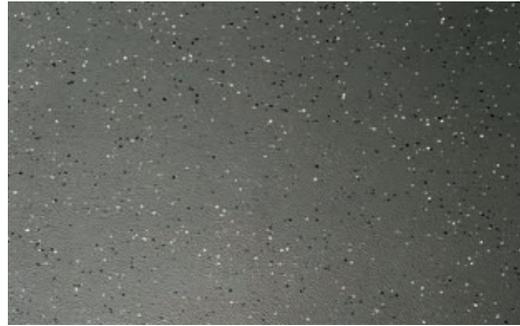
Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>Noraplan® Flooring astro ec</b>				
1250.653.1500	grey	1200	1500	2
1250.653.2000	grey	1200	2000	2
1250.653.2500	grey	1200	2500	2
1250.653.3000	grey	1200	3000	2

Rolls and cuttings

dpvlink 14557

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Noraplan floor covering astro ec, rolls</b>				
1250.653.R	grey	1220	12	2
1250.653.Z	grey	Cutting		2

Flooring type MEGA



Electrostatically volume dissipative flooring made of synthetic rubber with conductive upper surface

- two layers of compound covering
- loose laying without bonding, self-laying  
(if necessary, fixation with double-sided adhesive tape or Quick-Lift fabric tape)

Material thickness: 3.5 mm / suitable for chair castors  
Color: dark grey/material design

In compliance with ESD standard DIN EN 61340-5-1  
Insulation resistance complies with DIN VDE 0100 T410

Floor mats

complete with 2 snaps 10 mm and rounded corners

dpvlink 14563

Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>Flooring type MEGA</b>				
1250.681.1500	dark grey	1200	1500	3.5
1250.681.1650	dark grey	1200	1650	3.5
1250.681.2000	dark grey	1200	2000	3.5
1250.681.2500	dark grey	1200	2500	3.5

Rolls and cuttings

dpvlink 14569

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Flooring type MEGA rolls</b>				
1250.680.R	dark grey	1220	10	3.5
1250.680.Z	dark grey	Cutting		3.5

Floor mats type EL II SD



Electrostatically dissipative PVC flooring with low-resistance backing. Suitable for loose laying with fixation / floor mats.

(fixation with double-sided adhesive tape or Quick-Lift fabric tape)

Material thickness: 2 mm / suitable for chair castors due to fixation or bonding  
Color: medium grey

Completely with 2 snaps 10 mm and rounded corners

In compliance with ESD standard DIN EN 61340-5-1  
Insulation resistance corresponds to DIN VDE 0100 T410

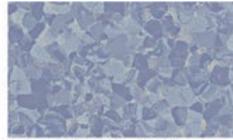
dpvlink 2845

Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>Floor mats type EL II SD</b>				
1260.791.S	medium grey	1220	2000	2
1260.791.S.1	medium grey	1500	2000	2

### Flooring type EL II SD rolls



Artikel 1260.791.0 mittelgrau



Artikel 1260.793.0 mittelblau



Artikel 1260.792.0 grau

Electrostatically dissipative PVC flooring with smooth surface and low-resistance backing.

Suitable for fixed laying by bonding. Cutting suitable for loose laying with fixation.

*(fixation with double-sided adhesive tape or Quick-Lift fabric tape)*

Material thickness: 2 mm / suitable for chair castors use due to fixation or bonding  
Colors: grey, medium grey, medium blue, green

In compliance with ESD standard DIN EN 61340-5-1 

Insulation resistance corresponds to DIN VDE 0100 T410

Delivery form as tiles 610 x 610 mm on request

**dpvlink 2848**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Flooring type EL II SD rolls</b>				
1260.791.0	medium grey	2000	23	2
1260.792.0	grey	2000	23	2
1260.793.0	medium blue	2000	23	2
1260.791.Z	medium grey	Cutting		2



### Nonwoven flooring



Durable polyamide flooring, especially for the use in offices with ESD requirements; basic material: nonwoven made of 100% polyamide with Dorix fiber; excellent wear resistance; suitable for chair castors depending on the condition of the ground; thickness: 6.5 mm

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 10194**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Nonwoven flooring</b>				
1810.8404	light grey	2000	25-35	6,5
1810.9604	anthracite	2000	25-35	6,5
1810.7204	royal blue	2000	25-35	6,5



Individual solutions - configure online

Configurator for

Table coverings / Floor coverings / Rolls

### Cano CB Flooring



Artikel 1260.801.0 weiß



Artikel 1260.806.0 grün



Artikel 1260.802.0 hellgrau



Artikel 1260.807.0 hellblau



Artikel 1260.803.0 grau

Electrostatically dissipative PVC flooring with smooth surface and low-resistance backing.

Suitable for fixed laying by bonding.

Material thickness: 2 mm / suitable for chair castors due to fixation or bonding

Colors: white, light grey, grey, light green, light blue

In compliance with ESD standard DIN EN 61340-5-1 

Typical bleeder resistance  $R_{\text{G}} = 10^4 - 10^6 \text{ Ohm}$

Delivery form in tiles 610 x 610 mm on request

**dpvlink 2945**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Cano CB Flooring</b>				
1260.801.0	white	2000	23	2
1260.802.0	light grey	2000	23	2
1260.803.0	grey	2000	23	2
1260.806.0	light green	2000	23	2
1260.807.0	light blue	2000	23	2



### Ecostat PR - 2.0 PVC floor mat



- one-layer PVC
- material thickness: 2 mm
- volume dissipative
- abrasion-resistant
- permanently elastic
- suitable for swivel castors (depending on the quality of the substrate)
- multi-purpose
- conductive back
- self-lying (not adhered)
- color: grey

In compliance with ESD standard DIN EN 61340-5-1 

#### Floor mats

complete with 2 snaps 10 mm and rounded corners

**dpvlink 23291**

Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>Ecostat PR - 2.0 PVC floor mat</b>				
1250.7004.L	grey	2000	1500	2
1250.7004.S	grey	2000	1200	2



#### Rolls and cuttings

**dpvlink 24970**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Ecostat PR - 2.0 PVC rolls</b>				
1250.7004.R	grey	2000	9	2
1250.7004.Z	grey	Cutting		2



## ESD Interlocking system

### ColoRex PLUS Interlocking system

ColoRex PLUS is a high-quality flooring as interlocking system. Due to its properties it is used wherever other floorings are "overstrained" and extensive preparations and downtimes are possible results.

#### The laying

The flooring system can be laid loosely on almost all, even problematic grounds that have a higher residual moisture or are defective, oily or scruffy. In addition, the whole flooring can be thermally welded, so that it fulfills the highest hygienic requirements and the standards of WHG 19.

Because of the loose laying, ColoRex PLUS is immediately accessible. The joining of the tile is made by means of a special, invisible dovetailing system. Its unique structure ensures the electric conductivity for the first time with loose layings.



#### Lower body voltage

People cause charges by movements in every room; ColoRex dissipates them safely through the veins in the material.

#### Possible uses

Due to its highly compressed material the surface of ColoRex PLUS is completely smooth and non-porous and therefore also suitable for the use in cleanrooms. In addition, the degassing is extremely low, which is more and more important for the use in cleanrooms.

#### 100% repairable surface

The special material structure of ColoRex allows an easy partial reparation in case of surface damages. Due to the homogenous structure, effective repairs can be easily made by material-in-material welding. Neither the conductivity nor the optics are affected.

#### The most important added values at a glance:

- quick and easy loose laying during business / production
- no extensive and costly repairs
- laying possible on wet and damaged surfaces
- immediately accessible after laying
- invisible tile joint, thermally weldable
- electrical conductivity (in case of the EC version)
- reusable for the use in other areas

In compliance with the ESD standard DIN EN 61340-5-1 

#### FORBO color selection for ColoRex plus EC puzzle technique



EC621004 Montblanc

## ColoRex PLUS, ESD flooring interlocking system

#### Technical data:

<i>CE mark</i>	EN 14014	compliant
<i>Surface</i>		smooth
<i>Total thickness</i>	EN 428	10.5 mm
<i>Size (without dovetails)</i>	EN 427	608 x 608 mm
<i>Basis weight</i>	EN 430	12.4 kg / m <sup>2</sup>
<i>Tile weight</i>		4.6 kg
<i>Fire behavior</i>	EN 13501-1	B <sub>f1</sub> - S1
<i>Critical heat flux</i>	EN ISO 9239-1	8.9 kW / m <sup>2</sup>
<i>Slip resistance</i>	EN 13893 (dry surface)	μ: 6.0
	EN 51131 (wet surface)	R9
<i>Wear characteristics</i>	EN 660-1	Group M
<i>Electric resistance</i>	IEC 61340-4-1	< 1 x 10 <sup>-6</sup> ohm
	EN 1081	
<i>Charge when walking</i>	IEC 61340-4-5	< 70 V
	ANSI / ESD STM 97.2	
	EN 1815	
<i>Impact sound reduction</i>	EN ISO 140-8	12 dB
<i>Trafficability with hard tires</i>		Lift truck and forklifts: up to a total weight from 2.5 t to 5 t with pneumatic tires. Static: 50 kg/cm <sup>3</sup> - dynamic 90 kg/cm <sup>3</sup>
<i>Chemical resistance</i>	EN 423	Excellent
<i>Recyclable</i>		Yes

#### dpvlink 13999

Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>ColoRex PLUS, ESD flooring interlocking system</b>				
1265.EC621004	montblanc	608	608	10.5



## Accessories for ColoRex PLUS

### ColoRex Plus - ESD LOGO



ColoRex Plus - ESD LOGO for laying in conjunction with flooring system ColoRex PLUS

#### dpvlink 14138

Article	Ausführung
1265.ESD-LOGO	<b>ColoRex plus - ESD LOGO</b> 608 x 608 x 10.5 mm



### ColoRex Plus Ramp



#### dpvlink 14136

Article	Ausführung
1265.AR	<b>Ramp</b> Size: 1220 x 150 mm accessible with high load



**ECOSTAT® - CF Interlocking system**

**ECOSTAT® - CF Interlocking system 8.5**



- Two-layer compound flooring in tiles
- Simple installation due to click system
- Volume dissipative
- Abrasion-resistant
- conductive, elastic back, adapts to the ground
- back with cavity structure for installation on problematic bases (e.g. remaining humidity)
- suitable for fork lift
- suitable for swivel castors
- multi-purpose
- self-lying (not adhered)
- easy processing with wood tools
- very less downtimes as it is accessible during installation
- material: PVC
- color: grey/granular design
- material thickness: 8.5 mm

In compliance with ESD standard DIN EN 61340-5-1 

Simple installation due to click system



**1310.PF.ESD Tile**  
with ESD logo



**1310.PF.701.R Ramp corner connection**  
equipped with self-adhesion



**1310.PF.701.RES Ramp corner connection**  
equipped with self-adhesion

**dpvlink 17739**

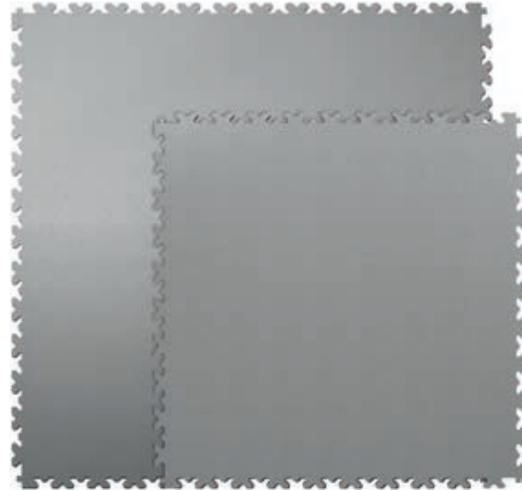
Article	Color	W [mm]	L [mm]	Thickness [mm]
1310.PF.701	grey	469	469	8.5
1310.PF.ESD	grey	469	469	8.5
1310.PF.701.R	grey	65	1220	
1310.PF.701.RES	grey	65	711	



**PVC tiles interlocking system**

**PVC tiles interlocking system**

**NEU**



- slip-resistant
- wear-resistant
- suitable for swivel castors
- 100 % PVC
- laying on standard hard floors
- good chemical resistance
- no bonding, no fixation
- color: dark grey
- material thickness 4 or 7 mm

In compliance with ESD standard DIN EN 61340-5-1 



**1269.F400.Logo-ESD**  
**1269.F700.Logo-ESD**  
Tile with ESD logo  
**No ESD version**



**1269.F401.RA-ESD**  
**1269.F701.RA-ESD**  
Ramp element (self-adhesive)



**1269.F401.EC-ESD**  
**1269.F701.EC-ESD**  
Corner ramp element (self-adhesive)

**dpvlink 25878**

Article	Type	W [mm]	L [mm]	Thickness [mm]
1269.F400.ESD	ESD Floor tile	653	653	4
1269.F400.Logo-ESD	Floor tile with ESD logo	653	653	4
1269.F401.RA-ESD	ESD Ramp	653	145	4
1269.F401.EC-ESD	ESD Corner	145	145	4
1269.F700.ESD	ESD Floor tile	510	510	7
1269.F700.LOGO-ESD	Floor tile with ESD logo	510	510	7
1269.F701.RA-ESD	ESD ramp	510	145	7
1269.F701.EC-ESD	ESD Corner	145	145	7
1269.FZB.1	Carbon fiber tape for grounding	70		
1269.FZB.2	Grounding plug incl. bracket			



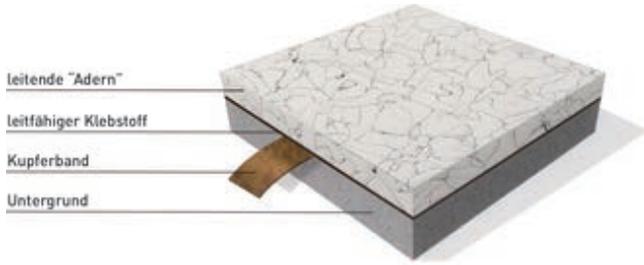
ESD Tiles

ColoRex Tiles

With ColoRex FORBO offers a high-tech vinyl floor that has been synonymous for quality, safety and reliability for more than 35 years. ColoRex has been especially developed for the use in ESD areas. Due to our many years of experience and continuous research this flooring is continuously improved and further developed.

Structure of ColoRex

ColoRex contains dimensionally stable chips with a conductive coating instead of "liquid" chemical additives (antistatic agents). Thus, the electrical properties of the surface are permanently constant. Furthermore, the conductivity is not affected by air humidity and aging.



ColoRex is turned into a highly durable covering because of the homogeneity achieved by the extremely high-pressure production. So, it is not only resistant to a high point load, but, due to its best wear-resistance, also to any damages caused by static and dynamic loads.

Safety through control

In order to offer our customers maximum safety, FORBO documents and checks in detail the conductivity of every production batch. For this purpose, they create by default a measurement report relating to the distribution of conductivity values inside every material batch, which can be requested as a proof.

Possibilities of use

Due to its highly compacted material the surface of ColoRex is completely smooth and nonporous. Therefore, it is also suitable for the use in cleanrooms. In addition, it has extremely low emission, which is getting more and more important for the use in cleanrooms.

Repair

Even damages on ColoRex, such as long and deep scratches, holes, burns and other more or less serious surface damages, can be repaired effectively and easily without a trace and without affecting the original properties of the flooring. This 100% reparability is a unique characteristic of ColoRex.

Care and maintenance

Loosely floating dust can be removed by vacuuming or damp mopping with impregnated disposable wipes. Alternatively, the floor can be cleaned by spray with a single-disk machine with red pad and spray device with a neutral and wax free cleaning solvent. Large areas must be cleansed with a suitable scrubbing machine. Borders have to be cleaned manually.

In compliance with the ESD standard DIN EN 61340-5-1 ⚠️

Bestellnummer wie folgt angeben:

Farbe auswählen



SD150205 Adula EC250205 Farbnummer

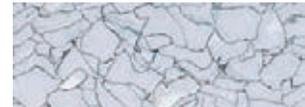
Belag auswählen ob ColoRex SD[1261.] oder EC [1262].

Beispiel für Artikelnummer:  
1262.EC250205

FORBO color selection for ColoRex SD and EC tiles



SD150201 Everest EC250201



SD150204 Montblanc EC250204



SD150205 Adula EC250205



SD150207 Quartz EC250207



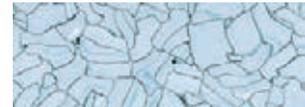
SD150213 Sahara EC250213



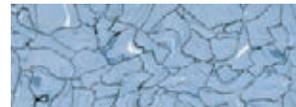
SD150212 Lux EC250212



SD150215 Oasis EC250215



SD150221 Pacific EC250221



SD150222 Niagara EC250222



SD150223 Atlantic EC250223



SD150225 Kiwi EC250225

Forbo color selection ColoRex SD tilesSignal



SD150233 Fuego



SD150235 Azzuro



SD150237 Amazonas



SD150231 Sole

### ColoRex SD, dissipative

**Dissipative flooring made vinyl** DIN EN 649, homogeneous suitable for the use with following requirements:

- resistance to ground  $R_E$  according to DIN EN 1081  $< 10^8$  ohm
- and/or
- resistance to ground  $R_E$  according to IEC 6-1340  $10^6$  ohm to  $\leq 10^8$  ohm (DIF)

without chemical antistatic agents, conductive back coating, ensuring the electrical properties during the entire useful life; super-compact, cut from the block, low plasticizer concentration, suitable for chair castors DIN EN 12529 type W.

Fire behaviour DIN 4102-1 class B1/Q1 (hardly inflammable/little smoke) EN 13501-1 class B s-S1, chemical resistance according to EN 423, suitable for abrasive cleaning technique.

**Thickness:** 2.0 mm  
**Tile width:** 61 x 61 cm

veined, smooth surface, to be bonded on completely smoothed surfaces with conductive dispersion adhesive  $< 3 \times 10^5$  ohm.

**dpvlink 13997** 

Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>ColoRex SD, dissipative</b>				
1261.SD	see color selection	615	615	2
1261.SD-Signal	see selection of signal colors	615	615	2

- Please indicate color number when ordering -

### ColoRex EC, electrically conductive

**Dissipative flooring made vinyl** DIN EN 649, homogeneous suitable for the use with following requirements:

- resistance to ground  $R_E$  according to DIN EN 1081  $< 10^6$  ohm
- and/or
- resistance to ground  $R_E$  according to IEC 6-1340  $5 \times 10^4$  Ohm to  $< 10^6$  Ohm (ECF)

without chemical antistatic agents, conductive back coating, ensuring the electrical properties during the entire useful life; super-compact, cut from the block, low plasticizer concentration, suitable for chair castors DIN EN 12529 type W.

Fire behaviour DIN 4102-1 class B1/Q1 (hardly inflammable/little smoke) EN 13501-1 class B s-S1, chemical resistance according to EN 423, suitable for abrasive cleaning technique.

**Thickness:** 2.0 mm  
**Tile width:** 61 x 61 cm

veined, smooth surface, to be bonded on completely smoothed surfaces with conductive dispersion adhesive  $< 5 \times 10^4$  ohm.

**dpvlink 13998** 

Article	Color	W [mm]	L [mm]	Thickness [mm]
<b>ColoRex EC, electrically conductive</b>				
1262.EC	see color selection	615	615	2

- please indicate color number when ordering -

### Welding wire for ColoRex SD + EC pads

Color: matching the flooring

**dpvlink 14131** 

Article	Ausführung
1263.1509.	<b>Welding wire for ColoRex SD + EC</b> Reel with 100 lfm Color: matching the flooring

## Accessories for floor coverings

### Grounding connection set for floor coverings



Grounding connection set for floor coverings for wall mounting with test point (socket 4 mm) and 2 m self-adhesive copper tape, for the grounding of an area up to 10 x 20 m. Grounding wire 3 m with eye.

**dpvlink 8024** 

Article	Type
2200.3020	Grounding connection set for floor coverings

### Copper / aluminium tape



Self-adhesive copper / aluminium tape for grounding floor coverings

**dpvlink 3213** 

Article	Type
1280.620.3011	<b>Copper tape, self-adhesive</b> Adhesive conductive Width: 19 mm, th 0.145 mm, Roll length 50 m
2821.AL.50	<b>Aluminium tape, self-adhesive</b> Width: 50 mm, strength 0.01 mm, roll length 50 m

### Quick-Lift fabric



Fabric tape coated with adhesive on both sides for laying of floor coverings with the possibility of removal.

- for loose laying with the possibility to be removed
- with integrated breaking point
- prevents the formation of waves, bumps and blisters
- DT100 for residue-free removal
- DT200 strongly adhesive for reliable fixing

**dpvlink 13299** 

Article	Type	Color	W [mm]	Roll length [m]
<b>Quick-Lift fabric</b>				
1280.DT100	Quick-lift fabric, self-adhesive on both sides, residue-free removal	green	800	25
1280.DT200	Quick-lift fabric, self-adhesive on both sides, highly adhesive	white	800	25

### Separation layer



Dimensionally stable, vapor-coated separation layer for loose laying; immediately ready for covering; ventilation function; usable on problematic surfaces; for average mechanical stress; material thickness: 1.3 mm

**dpvlink 10206** 

Article	Color	W [mm]	Roll length [m]	Thickness [mm]
<b>Separation layer</b>				
1280.TF201	rose	2.0	35	1.3

**Special adhesive for nonwoven floorings, conductive**



Aquatack conductive carpet and linoleum adhesive  
For textile and linoleum

- light color and conductive
- quick adhesion
- high final adhesive strength

Very low-emission dispersion adhesive with high initial adhesive strength for dissipatively or antistatically equipped, tufted flooring with textile upper surface / woven textile floorings, dimensionally stable nonwoven floorings, conductive linoleum in sheets and tiles

dpvlink 14252		Large container	QR
Article	Type		
1280.T412	Special adhesive for needle-punched nonwoven floorings	14 kg	

**Special adhesive K 188 E, not conductive**



Only suitable for:

- dissipative PVC/rubber floorings with low-resistance backing (two layers)
- rubber flooring up to 2.5 mm thickness with smooth, polished back in sheets and tiles
- Thomsit-floor® insulation layer

Very low emission, high-quality and extremely powerful dispersion adhesive; extra strong tack; adhesion possible with wet, bonding and contact process; excellent wetting even with problematic floor coverings; very economical use on absorbent grounds. It can be used as pressure-sensitive adhesive for the laying of PVC and CV floorings on compact non-absorbent grounds (e.g. old PVC floor coverings).

dpvlink 10265		Large container	QR
Article	Type		
1280.K188.13	Special adhesive K 188 E, not conductive	13 kg	

**Special adhesive K 112, conductive**



Very low-emission, conductive, particularly powerful and ready-made special dispersion adhesive for:

- conductive PVC flooring in sheets and tiles
- conductive rubber flooring in sheets (up 3.5 mm thick) and tiles (up to max. 2.5 mm thickness).

Conductive PVC floor coverings have to be laid on transversally conductive, pre-treated ground (e.g. with Thomsit R762 Conductive base coat), rubber floorings on absorbent surfaces without conductive base coat. Recommended for operating and computer rooms, laboratories and explosive production and storage areas.

dpvlink 10266		Large container	QR
Article	Type		
1280.K112	Special adhesive K112, conductive	12 kg	

**Conductive base coat**



Very low-emission, conductive dispersion product for the creation of a transverse conductive layer prior to laying conductive textiles, linoleum and PVC floor coverings with recommended Thomsit adhesives.

- Alternative to copper band net
- tested by TÜV and over a long time
- replaces conductive leveling compounds

- Coat can be used on floor screeds, Thomsit spattling compounds and various Thomsit underlays that are ready to be laid
- Suitable for floor constructions that have to fulfill the special static requirements according to RAL RG 725 / 3 and are tested in accordance with DIN EN 1081 or DIN VDE 0100, part 610

Recommended e.g. for operating and computer rooms, laboratories and explosive production and storage areas.

dpvlink 10202		Large container	QR
Article	Type		
1280.R762	Conductive base coat	10 kg	

**Anti-fatigue mats**

**ergolastec® ESD Floor mats**

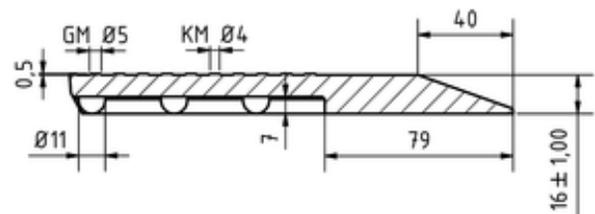


ergolastec®-ESD floor mats made of SBR (new rubber composite) are suitable for the special requirements of electronics and microelectronics workstations

- Reduced risk of stumbling by beveled outer edges
- Elastic cushioning to relieve muscles and joints
- Comfortable standing
- Thermal and footfall-sound insulation
- Slip-resistant
- Protection against falling objects
- Very high stability and lying capacity, so it is best suited when transport equipment is applied
- Due to the chosen high-quality materials the mat is nearly odorless and can therefore be used also in closed rooms
- Mat can easily be cleaned by means of conventional cleaning methods and agents
- Higher lying resistance due to higher dead weight of the mat
- Mat is electrically conductive according to EN 61340-4-1

Technical data:

Top side	flat structure
Bottom side	shock-absorbing bubbles
Outer edges	20° beveled
Dimensions	1350 x 1000 x 16 mm
Weight	19 ± 1 kg
Hardness	55 ± 4 Shore A
Temperature range	- 35°C to + 95°C
Material	SBR (new rubber compound)
Color	black



Flat structure surface

- well suitable for dry workstations
- slip-resistant

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 17106		Large container	QR
Article	Type		
1350.100.A	<b>Workstation mat ESD-dry ergolastec type A</b> W x L: 1000 x 1350 mm, thickness 16 mm incl. snap10 mm all-round beveled edges		

**ergolastec® ESD Floor mats - interlocking system -**

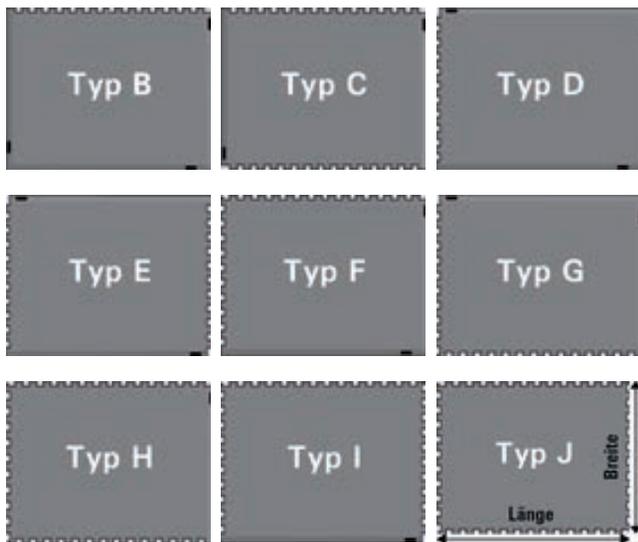


**ergolastec®-ESD floor mats type B - J as interlocking system**



The mats types B - J can be combined arbitrarily.

- With the interlocking system the mats can be combined easily and flexibly in horizontal and vertical direction
- easy laying without fixing on the ground
- Mat size corresponds to the workstation dimensions used in the production areas according to DIN 33406



In compliance with the ESD standard DIN EN 61340-5-1 

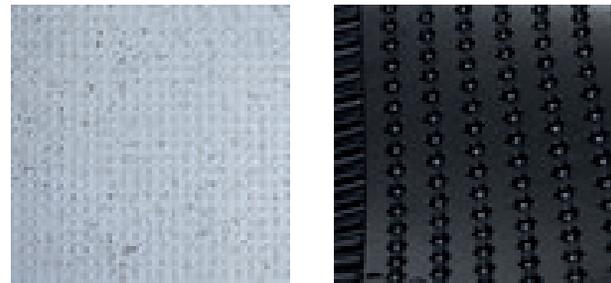
Article	Type
1350.130.B	<b>Workstation mat ESD-dry ergolastec type B</b> 3 sides beveled edges / 1 long side interlocking system; W x L: 948 x 1350 mm
1350.131.C	<b>Workstation mat ESD-dry ergolastec type C</b> 2 short sides beveled edges / 2 long sides interlocking system; W x L: 887 x 1350 mm
1350.140.D	<b>Workstation mat ESD-dry ergolastec type D</b> 3 sides beveled edges / 1 short side interlocking system; W x L: 1000 x 1303 mm
1350.141.E	<b>Workstation mat ESD-dry ergolastec type E</b> 2 long sides beveled edges / 2 short sides interlocking system; W x L: 1000 x 1242 mm
1350.150.F	<b>Workstation mat ESD-dry ergolastec type F</b> 1 long side + 1 short side beveled edges 1 long side + 1 short side interlocking system; W x L: 948 x 1303 mm
1350.151.G	<b>Workstation mat ESD-dry ergolastec type G</b> 1 long side + 1 short side beveled edges 1 long side + 1 short side interlocking system; W x L: 948 x 1303 mm
1350.152.H	<b>Workstation mat ESD-dry ergolastec type H</b> 1 short side beveled edges 2 long sides + 1 short side interlocking system; W x L: 887 x 1303 mm
1350.153.I	<b>Workstation mat ESD-dry ergolastec type I</b> 1 long side beveled edges 1 long side + 2 short sides interlocking system; W x L: 948 x 1242 mm
1350.154.J	<b>Workstation mat ESD-dry ergolastec type J</b> 4 sides interlocking system; W x L: 887 x 1242 mm

**ergolastec®-ESD Floor mats Vario+**



ergolastec®-ESD floor mats made of NBR (nitrile rubber) are suitable for the special requirements of electronics and microelectronics workstations

- Reduced risk of stumbling by beveled outer edges
- Elastic cushioning to relieve muscles and joints
- Comfortable standing
- Thermal and footfall-sound insulation
- Slip-resistant
- Protection against falling objects
- Very high stability and lying capacity, so it is best suited when transport equipment is applied
- Mat can easily be cleaned by means of conventional cleaning methods and agents
- Higher lying resistance due to higher dead weight of the mat
- Durable - optimal for the use in multiple-shift operation



In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 25917**

Article	Type
1351.300.A	<b>Workstation mat ESD-dry ergolastec Vario+</b> W x L: 1000 x 1350 mm, thickness 16 mm all-round beveled edges

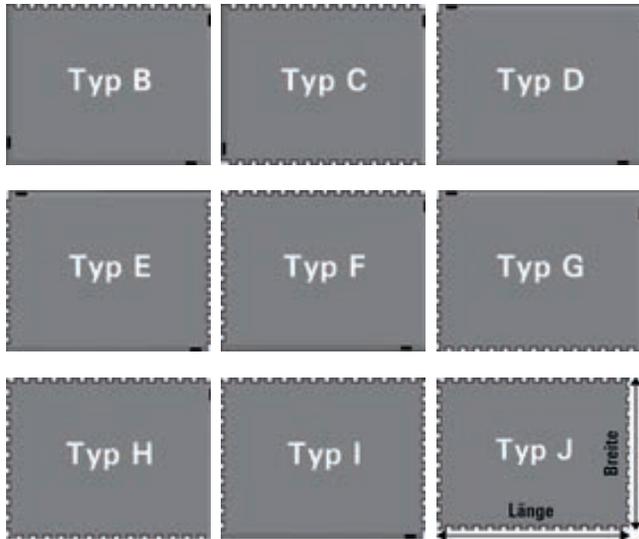


**ergolastec® ESD Floor mats Vario+ interlocking system**



The Vario+ mats type B - J can be combined arbitrarily with one another.

- The interlocking system allows for flexible and simple horizontal and vertical mat combinations
- Simple laying without fixation on the base
- mat size corresponds to the workstation dimensions in the protection area according to DIN 33406



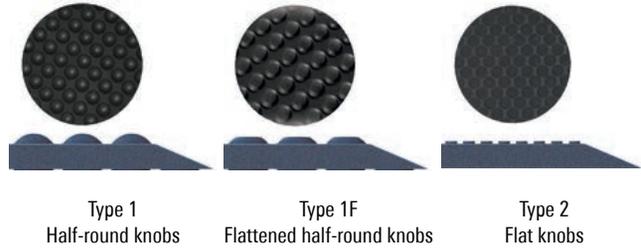
In compliance with ESD standard DIN EN 61340-5-1

dpvlink 25903



Article	Type
1351.330.B	<b>Workstation mat end piece ESD-dry ergolastec Vario+</b> 3 sides beveled edges / 1 long side interlocking system; W x L: 948 x 1350 mm, thickness 16 mm
1351.331.C	<b>Workstation mat center piece ESD-dry ergolastec Vario+</b> 2 short sides beveled edges / 2 long sides interlocking system; W x L: 887 x 1350 mm, thickness 16 mm
1351.340.D	<b>Workstation mat end piece ESD-dry ergolastec Vario+</b> 3 sides beveled edges / 1 short side interlocking system; W x L: 1000 x 1303 mm, thickness 16 mm
1351.341.E	<b>Workstation mat center piece ESD-dry ergolastec Vario+</b> 2 long sides beveled edges / 2 short sides interlocking system; W x L: 1000 x 1242 mm, thickness 16 mm
1351.350.F	<b>Workstation mat end piece ESD-dry ergolastec Vario+</b> 1 long side + 1 short side beveled edges 1 long side + 1 short side interlocking system; W x L: 1303 x 948 mm, thickness 16 mm
1351.351.G	<b>Workstation mat end piece ESD-dry ergolastec Vario+</b> 1 long side + 1 short side beveled edges 1 long side + 1 short side interlocking system; W x L: 1303 x 948 mm, thickness 16 mm
1351.352.H	<b>Workstation mat end piece ESD-dry ergolastec Vario+</b> 1 short side beveled edges 2 long sides + 1 short side interlocking system; W x L: 1303 x 887 mm, thickness 16 mm
1351.353.I	<b>Workstation mat end piece ESD-dry ergolastec Vario+</b> 1 long side beveled edges 1 long side + 2 short sides interlocking system; W x L: 1242 x 948 mm, thickness 16 mm
1351.354.J	<b>Workstation mat center piece ESD-dry ergolastec Vario+</b> 4 sides interlocking system W x L: 1242 x 887 mm, thickness 16 mm

**Anti-fatigue mats type 1 / type 1F / type 2 PUR integral foam**



Dissipative flooring for standing workstations in EPAs with hard floor, for the relief of the muscles and joints.

In compliance with ESD standard DIN EN 61340-5-1

- PU integral foam, black
- soft-elastic cushioning
- comfortable standing
- heat and sound insulating
- slip- and shock-resistant
- flattened edges
- Connection type: snap 10 mm
- also available in fire retardant version- fire class B1

-customer-specific dimensions available-

dpvlink 14549



Article	Type
1306.0660.0960.B1	<b>Floor mat type 1 fire class B1</b> W x L: 660 x 960 mm, thickness 14 mm
1306.B1.Spez	<b>Floor mat type 1, fire class B1 specific</b> customer-specific dimensions, thickness 14 mm
1306.B1.0650.0950	<b>Floor mat type 1F fire class B1</b> W x L: 650 x 950 mm, thickness 13 mm
1306.B1.1F.Spez	<b>Floor mat type 1F fire class B1 specific</b> customer-specific dimensions, thickness 13 mm
1307.0660.0960.B1	<b>Floor mat type 2 fire class B1</b> W x L: 660 x 960 mm, thickness 14 mm
1307.B1.Spez	<b>Floor mat type 2 fire class B1 specific</b> customer-specific dimensions, thickness 14 mm

**Anti-fatigue mat type Nitrile**



- flattened edges
- dissipative and slip-resistant mat with flat knob structure
- suitable for all standing workstations
- sturdy and wear-resistant
- resistant to industry-standard acids, alkalis and oils
- incl. snap 10 mm
- Material thickness: 14 mm
- Color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 14546



Article	Color	W [mm]	L [mm]	Thickness [mm]
1306.0620.0910.NI	black	620	910	14

### Anti-fatigue mat ECOSTAT walking comfort



- for relieving muscles and joints
- heat- and impact noise-insulating
- improved walking, rotating and standing
- running surface quickly and arbitrarily extendable by interlocking system
- smallest compound: 2 end pieces
- sloped edge/corners; dissipative and slip-resistant mat with impregnated surface



- connection: 10mm snap
- nap diameter 8 mm
- material thickness: 13 mm
- color: black
- available in landscape and longitudinal format

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 17656**

Article	Version	W [mm]	L [mm]	Thickness [mm]	
1307.B1.0650.0910.VM	vertical	650	910	13	
1307.B1.0650.0940.VE	vertical	650	940	13	
1307.B1.0650.0650.VC	corner piece	650	650	13	
1307.B1.Q970.Q610.VM	horizontal	970	610	13	
1307.B1.Q970.Q635.VE	horizontal	970	635	13	
1307.B1.Q970.Q970.VC	corner piece	970	970	13	

### Anti-fatigue mat type 200



- beveled edge/corners
- dissipative and slip-resistant mat with embossed surface
- incl. snap 10 mm
- material thickness: 14 mm
- color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 13881**

Article	Color	W [mm]	L [mm]	Thickness [mm]	
1250.200.S	black	910	1520	14	

### Anti-fatigue mat ESD type 215



- beveled edge/corners
- dissipative and slip-resistant mat with embossed surface
- incl. 2 x snap 10 mm
- material thickness: 17 mm
- color: yellow/black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 13883**

Article	Color	W [mm]	L [mm]	Thickness [mm]	
1250.215.S1	yellow / black	600	900	17	

### Dust trap mat / doormat



Textile, antistatic dirt trap mat with ESD logo and writing

**dpvlink 24113**

Article	Color	W [mm]	L [mm]	Thickness [mm]	
1390.0850.0600	black / yellow	850	600	8	
1390.1550.1050	black / yellow	1550	1050	8	

### Anti-fatigue floor mat



- dissipative and slip-resistant floor mat for standing workstations
- ergonomic, elastic, shock absorbent
- Suitable for loose laying / floor mats.  
*(if necessary, fixation with double-sided adhesive tape or Quick-Lift fabric tape)*
- Material thickness: 9.5 mm

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 3132**

Article	Color	W [mm]	L [mm]	Thickness [mm]	
1250.180.S	grey	910	1500	9.5	

#### Rolls

**dpvlink 3134**

Article	Color	W [mm]	Roll length [m]	Thickness [mm]	
1250.180.R091	grey	910	18.3	9.5	
1250.180.Z	grey	Cutting		9.5	



Cutting / manufacturing available according to customer's specifications

### Floor elements



Electrostatically conductive floor elements for production and storage areas.

The spacing of 800 x 400 mm ensures optimal variation possibilities while laying out in working areas. All parts can be laid quickly and without slipping by a special interlocking system.

Material: polypropylene, volume conductive

In compliance with ESD standard DIN EN 61340-5-1 

- easy laying
- high load capacity, high slip resistance
- floor element closed design

**dpvlink 3179**

Article	Type	
022.600	<b>Floor element</b> closed design 400 x 800 x 25 mm, black	
022.605	<b>Final element</b> 400 x 120 mm, black only suitable for floor element 022.600	
022.610	<b>Corner element</b> 120 x 120 mm, black only suitable for floor element 022.600	

ESD Floor coating

Ecostat DF Polycan



**Ecostat DF Polycan -Matt Finish**  
Two-component solvent-containing and PU based, pigmented sealing

- Application without conductive layer
- Single layer, 2 component, polyurethane paint
- Dissipative floor coating, complies with IEC 61340-5-1
- Suitable for new and existing floors
- Suitable for hard and resilient surfaces in EPAs
- Ready for use within 48 hours in a well ventilated area
- Solvent based and long lasting
- Easy application using brush or roller
- Aluminium brackets included
- dissipative

In compliance with ESD standard DIN EN 61340-5-1

Consumption: approx. 400 g/m<sup>2</sup> (two-layer coating)  
Delivery form: Standard packaging = 10 kg

dpmlink 17643

Article	Color	Large container
1132.7035.M.10	light grey	10 kg



Ecostat DF Polycan WL Floor coating



**Ecostat DF Polycan WL floor sealing system**  
Two-components floor sealing system for "do it yourself - application".

- application is made without conductive layer
- solvent-containing, pigmented sealing based on epoxy resin
- silk-glossy surface
- color light grey, similar to RAL 7035, special colors available on request
- suitable for light mechanical stress
- for horizontal and vertical surfaces
- suitable for renovation, establishment of EPAs and new buildings
- no dismantling of equipment
- applicable to old and new coatings as well as mineral and cement grounds
- easy reworking or repairing
- dissipative

In compliance with ESD standard DIN EN 61340-5-1

Consumption: approx. 400 g/m<sup>2</sup> (two-layer coating)  
Delivery form: Standard packaging = 10 kg

dpmlink 8604

Article	Color	Large container
1131.7035.WL2.10	light grey	10 kg



**EPApro® ESD Personnel grounding control system:**

The innovative EPApro® end-to-end solution for your ESD protected working areas combines a user-friendly precision hardware with a forward-looking software solution designed for the measurement of your ESD safety equipment as well as the comfortable and standard-compliant documentation and central management of the collected data. Multifunctional EPApro® interfaces and switch outputs allow for a simple integration in the existing infrastructure of your company.

**EPApro® ESD-Personnel-Tester 1000**



dpmlink 21010

The EPApro® 1000 is a compact measuring device to verify the personnel grounding and fulfills the requirements of DIN EN ISO 61340-5-1, ANSI ESD S20.20 and GDPR (general data protection regulation). Programmable switch outputs allow using it as access control. A privacy mode offers the possibility to log and display the measurement without names. The measurements are logged and stored in the EPApro® 1000 device conforming to standards and the GDPR. It is possible to retrieve measured data via network or maintain them locally on the device by means of the stand-alone function.

**EPApro® Control Server**



dpmlink 21904

The EPApro® Control Server software allows for a central management across locations of the measurement, device and employee data collected by the ESD personnel testers and transmitted to the EPApro® Control Server by means of the company network. All data is stored in a central database directly on your company server in compliance with the GDPR. It is possible to configure the EPApro® 1000 devices centrally via the EPApro® Control Server. Modifications of the device parameters are automatically synchronized with the server.

**Find out more**

You will find all interesting facts about the EPApro® program in the catalog in the chapter "Measurements and tests" or online on our website.

**EPAclean® Cleaning supplies**



Quick and simple cleaning for conductive surfaces in ESD areas. Clean reliably your work place and table coverings as well as floorings and other surfaces. The high-quality of the new EPAclean® cleaning series professional is ready-to-use and available as spray bottle and refill canister. When used for maintenance cleaning the EPAclean® concentrate ESD Floor Cleaner professional is very economical. If a basic cleaning is necessary, the ESD Basic cleaner professional concentrate produces excellent results.

**ESD Cleaner professional**



EPAclean® ESD Cleaner professional for the quick and easy cleaning of ESD surfaces



- ready-to-use cleaner
- binds loose dust and fine dirt in a hygienic way
- cleans without streaking and does not build up layers
- spray nozzle allows damp-wiping due to a controlled and well-measured dispersion of the cleaner
- prevents overdosage and swelling effects caused by excessive moisture
- surface dries completely and is usable within a very short period of time

**dpvlink 22449**

Article	Type	
2920.2001	<b>EPAclean® ESD Cleaner Professional</b> 1l aerosol	
2920.2005	<b>EPAclean® ESD Cleaner Professional</b> 5 liter canister	

**ESD Floor Cleaner professional**



EPAclean® ESD Floor Cleaner professional suitable for the maintenance cleaning of all ESD PVC floorings



- excellent dirt-binding characteristics, even with greasy residues
- no leaching of the surface
- no formation of grey haze
- cleaning without stripes
- concentrate
- dilution ratio 1:200

**dpvlink 22452**

Article	Type	
2920.2010.K	<b>EPAclean® ESD Floor Cleaner Professional</b> 10 liter canister	

**ESD Basic Cleaner professional**



EPAclean® ESD Basic Cleaner professional for the gentle and effective basic cleaning of ESD floors



- for the removal of waxes, wash products, care coatings as well as adhesive residues and building dirt during the final cleaning after construction work with a given PU treatment at the factory
- high dissolving power and of gentle low alkalinity
- all-purpose basic cleaner for all elastic floorings
- concentrate
- dilution ratio 1:10

**dpvlink 22454**

Article	Type	
2920.2050.K	<b>EPAclean® ESD Basic cleaner Professional</b> 5l canister	

Cleaning supplies

ESD Cleaner



- special cleaners for dissipative and conductive surfaces
- no negative influence on the resistance values
- easy cleaning of smudges and beverage stains, pencil and felt pen strokes as well as inks
- easy application by spray



dpvlink 4632

Article	Packaging type	Volume
2900.570	spray bottle	1.0 l
2900.571	canister	5 l



ESD Floor Cleaner R1000



- cleaning agent for ESD floors
- no negative influence on the resistance values
- easy cleaning of normal contamination
- for basic cleaning and maintenance cleaning
- Dilution ratio 1:200 (50 ml per 10 liter bucket)



dpvlink 4638

Article	Packaging type	Volume
2900.560.2.5	canister	2.5 l
2900.560.5	canister	5 l
2900.560.10	canister	10 l



ESD Floor Polish



- dissipative, liquid floor wax
- suitable for insulating floor materials such as PVC, linoleum and parquet
- silky, shiny surface
- cost-effective solution
- quick and easy application with conventional cleaning equipment
- regular treatment necessary



Consumption: approx. 1 liter / 30 - 40 m<sup>2</sup> (depending on floor conditions)

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 4636

Article	Packaging type	Volume
2900.581	canister	5 l



ESD Floor Stripper



- removes ESD Floor Polish safely and effectively
- for cleaning of the floor before sealing
- no negative effects on electrical resistance values
- listed by the Federal Environment Agency with UBA No.: 0233-0255



Consumption: approx. 1 l / 10 m<sup>2</sup> (depending on the floor conditions)

dpvlink 10134

Article	Packaging type	Volume
2900.580	canister	5 l



Cleaning wipes

Microfiber cloths



The microfiber is an extremely thin fiber which is splitted again into many little fibers in a special process. This creates hollow spaces that store the water very well and release it during the cleaning again.

Important! Wash before the first use!

Washable up to 90°C. Do not use fabric softeners as the fibers may stick. High dirt-holding capacity.

Primo microfiber cloth

- Wet the cloth before using and wring it out well.
- Suitable for all surfaces (chrome, monitor, sanitary, stainless steel, etc.)
- Streak-free without cleaning additives

Crystal microfiber cloth

- especially suitable for glass surfaces

dpvlink 4643

Article	Type
2900.MFT-K.plus	Crystal window microfiber cloth 50 x 70 cm, VPE = 5
2900.MFT-P.blau	Primo-Aktiv microfiber cloths 40 x 40 cm, light blue, PU = 10
2900.MFT-P.rot	Primo-Aktiv microfiber cloths 40 x 40 cm, red, PU = 10
2900.MFT-P.gelb	Primo-Aktiv microfiber cloths 40 x 40 cm, yellow, PU = 10
2900.MFT-P.grün	Primo-Aktiv microfiber cloths 40 x 40 cm, green, PU = 10



Wipes ESD



Dissipative ESD wipes for the cleaning or drying of stencils, printed circuit boards, optical components or machine parts.

- 100% synthetic, knitted polyester
- no metal or carbon fibers
- for the use with conventional cleaners



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 5828

Article	Type	L [mm]	W [mm]	PU
6200.20	Wipe (pink)	230	230	50 piece



ESD cleaning cloths



Dissipative cleaning cloths of carbon fiber  
Suitable for the use in ESD zones



dpvlink 15767

Article	Type	L [mm]	W [mm]	PU
6201.1003	ESD cleaning cloths	230	230	150 piece



Wipes

Dissipative ESD wipes for cleaning or drying stencils, printed circuit boards, optical components or machine parts



- material: 67% knitted polyester, 29% micro denier nylon, 4% carbonized yarn
- dimensions: 230 x 230 mm
- color: white
- not washable



In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 17717

Article	Type	L [mm]	W [mm]	PU piece
8850.WP	Wipes	230	230	50 piece



Floor cleaning

Floor mop **Supra-Klapp / -Klett**



**Aluminum telescopic handle:**

With stable internal locking, variable size setting from 80 cm - 160 cm, handle: Ø 23.5 mm

**Floorcloth holder Supra-Klapp:**

A high-quality, robust folding system floor cloth holder with a width of 40 cm.

**Floorcloth holder Supra-Klett:**

Easy handling, by trapezoidal shape ideal for corners. velcro strips at the bottom hold the special celcro microfibre floorcloths.

**dpvlink 8482**

Article Type

2900.MFT.590 **Aluminum telescopic handle**

2900.MFT.500 **Mop holder Supra-Klapp** for microfibre cloth Supra, with pockets (telescopic handle separately available)

2900.MFT.510 **Mop holder Supra-Klett** for microfibre cloth Supra-Klett (telescopic handle separately available)



Microfiber cloth **Supra**



Machine washable, recommended up to 60°C (max. 95°C), do not use a fabric softener.

**Supra 100** - moist mop for a quick cleaning suitable for all smooth floor surfaces (PVC, parquet, laminate, etc.). Ideal for the spray method. Quickly ready to walk on.

**Supra 105** - dry mop, wet mop, moist mop, dust mop for smooth and grooved floors and rough surfaces.

**Supra 110** - extra fine mop with long, fleecy pile. 30% more water absorption and high dirt-holding capacity. For PVC, parquet, laminate and other smooth floors.

**dpvlink 8471**

Article Type

2900.MFT.100 **Microfiber cloth Supra 100 (white/blue dots)**  
Size 46 x 17 cm, with pockets, extra thick, short piled, material: 100% microfiber

2900.MFT.105 **Microfiber cloth Supra 105 (white/blue stripes)**  
Size: 46 x 17 cm, with pockets, high-pile, material: 82% microfiber, 18% cotton

2900.MFT.110 **Microfiber cloth Supra 110 (green, white)**  
Size: 46 x 17 cm, with pockets, high-pile / long fleecy floor, material: 100% microfiber



Microfiber cloth **Supra Klett**



Machine washable, recommended up to 60°C (max. 95°C), do not use a fabric softener.

**Supra 200** - wet mop for a quick cleaning suitable for all smooth surfaces (PVC, parquet, laminate, etc.). Ideal for the spray method. Quickly ready to walk on.

**dpvlink 8475**

Article Type

2900.MFT.200 **Microfiber cloth Supra 200-Klett (white/blue dots)**  
Size 47.5 x 14.5 cm, velcro fastener, short piled, extra thick, material: 100% microfiber



Waste containers / waste baskets

Wastebaskets, square



Wastebasket, volume conductive plastic material: polypropylene, color: black  
Imprint: ESD symbol, recycling symbol.

In compliance with ESD standard

DIN EN 61340-5-1 

**dpvlink 2315**

Article	Volume	H [mm]	Dimensions LxW [mm]
5180.855	40 l	530 mm	330 x 330



Wastebaskets ESD



Wastebasket, volume conductive plastic material: polypropylene

color: black

imprints: ESD symbol, recycling symbol.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 2223**

Article	Type	Volume	H [mm]
5180.850	Wastepaper basket round Ø 300 mm	14 l	320 mm
5180.854	Wastepaper basket round Ø 395 mm	35 l	420 mm
5180.860	Wastepaper basket rectangular 280 x 555 mm	60 l	590 mm
5180.860.D	Lid (for art. 5180.860)		40 mm



Waste container ESD



Volume conductive

very stable model,

Color: black,

Imprint: ESD symbol

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 2267**

Article	Type	Dimensions LxW [mm]	H [mm]
5181.853	Waste container 25 liters	250 x 250	400 mm
5181.852	Waste container 50 liters	300 x 300	600 mm
5181.851	Waste container 120 liters	400 x 400	780 mm



Multi-purpose container



Multi-purpose container

- volume conductive polypropylene
- trolley with 4 conductive castors
- color: black
- Labeling: ESD symbol, recycling symbol

In compliance with ESD standard DIN EN 61340-5-1

Set consists of container, loose lid, trolley

dpvlink 16772

Article	Type	Dimensions LxW [mm]	H [mm]
5180.890	Multi-purpose container 90 liters	510 x 490	600 mm
5180.890.D	Loose lid	510 x 460	50 mm
5180.890.D.S	Hinge (not conductive)	x	
5180.890.F	Trolley	370 x 370	140 mm
5180.890.SET	Multi-purpose container	510 x 490	725 mm



ESD Recycling bin ECO



- Electrostatically volume conductive HDPE, ESD symbol
- Color: black
- Dimensions: 950 x 470 x 550 or 1010 x 570 x 740 mm
- 2 versions available: with 2 castors or pedal and 2 castors
- Volume: 120 or 240 liters
- Application: ESD protected area / interior

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 23053

Article	Volume	H [mm]	W [mm]	D [mm]	Version
<b>ESD Recycling bin ECO</b>					
5181.871-ECO	120 l	950	470	550	2 castors
5181.870-ECO	240 l	1010	570	740	2 castors
5181.871-ECO.FP	120 l	950	470	550	pedal, 2 castors
5181.870-ECO.FP	240 l	1010	570	740	pedal, 2 castors



ESD Steel sheet box wagon with tailboard



ESD compliant steel sheet box wagon for the electronics industry, ideal as a transport, material and waste wagon.

- Steel tube and section steel welded
- electrically conductive powder coating
- dark grey
- 2 ESD swivel castors and 2 ESD fixed castors
- solid rubber tyres electrically conductive
- locks on the swivel castors
- tailboard on one longitudinal side



Technical data

Total height:	1070 mm
Loading area:	1200 x 800 mm
Capacity:	500 kg
Wheel Ø:	200 mm

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 9826

Article	L [mm]	W [mm]	H [mm]	Load capacity	
091.2843.ESD	ESD Steel sheet box wagon with tailboard	1330	825	1070	500



Waste bag holder



- Galvanized metal frame
- 4 conductive swivel castors
- Volume 125 liter
- Load capacity 30 kg
- ESD symbol
- For self-mounting
- For waste bags article no. 3110.850.1

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 19826

Article	Volume	H [mm]	Dimensions LxW [mm]
5180.SH.125	120 l	900 mm	450 x 380



Waste bags

Waste bags ESD



Waste bags ESD, antistatic, amine-free polyethylene, recyclable, color: pink, imprinted with ESD symbol and recycling symbol.

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 2211

Article	W [mm]	L [mm]	H [mm]	Volume	Bags/roll	suitable for container
3110.850	200	300	600	30 l	500 piece	waste container / 25 l
3110.890	400	500	1200	190 l	100 piece	waste container / 160 l
3110.850.2	320	380	1100	120 l	100 piece	waste container / 90 l
3110.850.1	700		1100	120 l	100 piece	waste container / 90 l
3110.852.40	550	750	1800	240 - 300 l	40 piece	waste container / 240 l
3110.853	750	750	1800	600 - 700 l	75 piece	



Waste bags dissipative



Dissipative polyethylene waste bags, recyclable colors: red, green, blue imprint: ESD symbol.

PU = 100 pieces

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 7972

Article	W [mm]	H [mm]	Volume	Bags/roll	suitable for container
3101.626.B	480		30 l	100 piece	14 / 25 l
3101.625.R	740		50 l	100 piece	35 / 50 l
3101.625.B	740		50 l	100 piece	35 / 50 l
3101.627.R		350 - 460	110 - 130 l	100 piece	90 / 120 l
3101.627.G	1080	350 - 460	110 - 130 l	100 piece	90 / 120 l
3101.627.B	1080	350 - 460	110 - 130 l	100 piece	90 / 120 l



ESD Gusseted bags / covers



Dissipative gusseted bags / covers

- pink
- amine-free
- recyclable
- RoHs compliant



In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 13869

Article	W [mm]	L [mm]	H [mm]	PU	Thickness [mm]
3110.629.25	400	600	700	25 piece	0.05
3110.629.250	400	600	700	250 piece	0.05
3110.630.500	340	440	500	500 piece	0.05
3110.635.0900	850	1250	900	40 piece	0.15
3110.635.1850	850	1250	1850	40 piece	0.15



Cleaning trolleys / brooms / vacuum cleaners

ESD Recycling cart single capacity



ESD recycling cart single capacity

- sturdy metal frame (chrome-plated)
- 4 swivel castors ESD 100 mm
- Dimensions: 500 x 500 x 1060 mm
- suitable garbage bags 3110.850.2

Scope of delivery:

- basic frame single capacity with swivel castors ESD
- holding frame for garbage bags 120l
- sidestay
- garbage bag clip (3 pieces)

dpvlink 17043

Article	Type
2900.TW-100.ESD	ESD recycling cart single capacity



ESD Recycling cart double capacity



ESD recycling cart double capacity

- sturdy metal frame (chrome-plated)
- 4 swivel castors ESD 100 mm
- Dimensions: 820x 500 x 1060 mm
- suitable garbage bags 3110.850.2

Scope of delivery:

- basic frame double capacity with swivel castors ESD
- 2 holding frames for garbage bags 120l
- 2 sidestays
- 2 x garbage bag clip (3 pieces)

dpvlink 17045



Article	Type
2900.TW-200.ESD	ESD recycling cart double capacity

ESD cleaning trolley



Easily maneuverable and compact ESD cleaning trolley

- metal frame (galvanized)
- 4 ESD swivel castors (2 x with locks)
- dimensions: 900 x 550 x 1000 mm
- for 120 liter bags
- suitable waste bags 3110.850.1
- suitable bucket 6105.B9

In compliance with ESD standard DIN EN 61340-5-1

Delivery **without** bucket and waste bags

dpvlink 25189



Article	Type
5180.RW	ESD cleaning trolley 900 x 550 x 1000 mm

Dustpan set



- Electrostatically conductive bristles 45 mm
- 5 bristle rows
- Brush length: 190 mm
- Brush width: 30 mm
- Brush with conductive aluminium handle, length 760 mm
- Shovel made of conductive plastic, width: 260 mm, height: 870 mm with conductive aluminium handle
- ESD symbol

dpvlink 2311



Article	Type
6101.K	Dustpan Set

Dustpan Set



- Electrostatically conductive
- stick made of aluminum 740 mm
- Brush width: 250 mm
- Shovel 250 x 300 mm
- Collecting container foldable
- With ESD symbol

dpvlink 17297



Article	Type
6101.KS170	Dustpan Set

Brooms



- Electrostatically conductive 35 mm bristles
- aluminium stick 1480 mm
- Brush width: 400 mm / 500 mm

dpvlink 2302



Article	Type
6101.400	Broom, 400 mm wide
6101.500	Broom, 500 mm wide

### Dustpan



6101.S.290

- ESD symbol
- electrostatically volume conductive plastic 

**dpvlink 15405**

Article	Type	
6101.S.290	<b>Dustpan</b> 290 mm wide / 200 mm deep	
6105.S.290.K	<b>Dustpan</b> 310 mm wide / 160 mm deep	
6105.S.290.SET	<b>Dustpan set</b> width 310 mm / depth 160 mm	

### Hand brush



6101.160.N

6101.161

- For cleaning table mats
- with ESD symbol
- Electrostatically volume conductive plastic 

6105.140.K

**dpvlink 7982**

Article	Type	
6101.160.N	<b>Hand brush</b> Bristle surface 160 mm	
6101.161	<b>Hand brush</b> Bristle surface 180 mm	
6105.140.K	<b>Hand brush</b> Bristle surface 340 mm	

### Bucket ESD 9 liters



- permanently volume conductive polypropylene through carbon
- ESD warning logo
- recycling logo

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 23250**

Article	Version	Volume	H [mm]	
6105.B9	bucket	9 l	275	
6105.B9.D	lid			

### Bucket ESD



- volume conductive polypropylene
- with handle
- color: black
- ESD logo

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 17295**

Article	Volume	H [mm]	Color	
5181.1400	14 l	259	black	

### ESD Spatula



- for the removal of adhesive residues etc
- ESD symbol
- dimensions: 75 x 250 mm
- electrostatically volume conductive plastic 

**dpvlink 21640**

Article	Type	
6105.SP.75	ESD spatula	

### ESD Vacuum cleaner



Conductive vacuum cleaner for the use in ESD protective zones, housing made of volume conductive polypropylene, ESD logo

**Technical data:**

Power:	1100 Watt (220 - 240 V)
Max. suction power:	max. 210 mbar
Noise level:	62 dB (A)
Weight/capacity:	4.60 kg / approx. 12 liter
Dimensions:	390 x 340 x 240 mm
Cleanroom class:	by filter kits

In compliance with ESD standard DIN EN 61340-5-1 

**Scope of delivery:**

vacuum cleaner incl. 10 m cable, 3.0 m special suction hose, 1.3 m suction pipe, 4 different attachments (see figure)

**dpvlink 19033**

Article	Type	
7380.EPA-VAC.S	ESD vacuum cleaner type 888-ESD-S GS	
7380.EPA-VAC.SE	ESD vacuum cleaner type 888-ESD-S-E GS, adjustable	

Filters and vacuum cleaner bags for ESD vacuum cleaner type 888-ESD

**dpvlink 19130**

Article	Type	
7380.IS07-KIT	<b>Cleanroom filter kit ISO 7</b> <ul style="list-style-type: none"> <li>• consisting of: 7380.MT-851, 7380.MT-853, 7380.MT-857</li> <li>• suitable for ESD vacuum cleaner (art. No 7380.EPA-VAC.S and 7380.EPA-VAC.SE)</li> <li>• DIN EN ISO 14644-1 for cleanroom ISO 7</li> </ul>	
7380.MT-851	<b>Filter bag meltblown / special</b> Plastic filter bag -special- / dust class M PU = 10 pieces, bag volume 12 liter	
7380.MT-852	<b>Activated carbon cover for HEPA motor filter</b> for MT-852	
7380.MT-853	<b>Motor filter HEPA H14</b>	
7380.MT-857	<b>Air filter "Air Exit" HEPA H14</b>	

ESD Service vacuum cleaner



Conductive vacuum cleaner for the service area applicable for cleaning electrical cabinets, computers, copiers, laser printers etc. Light, compact device (880 W), housing made of conductive polypropylene, with conductive carrying case, ventilator set optionally available.

All vacuum cleaners are available with or without conductive case. Bas and filters have to be ordered separately.

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 2037		QR
Article	Type	
7350.555.S	<b>ESD service vacuum cleaner type 555 ESD S GS</b> with conductive case	
7350.555.S-OK	<b>ESD service vacuum cleaner type 555 ESD-S GS</b> without case	
7350.555.SE	<b>ESD service vacuum cleaner type 555-ESD-SE GS, adjustable</b> with conductive case	
7350.555.SE-OK	<b>ESD service vacuum cleaner type 555 ESD-S GS, adjustable</b> without case	
7350.555.SE.HEPA	<b>ESD service vacuum cleaner type 555 ESD SE HEPA GS, adjustable</b> without conductive case	
7350.555.SE.HEPA-OK	<b>ESD service vacuum cleaner type 555 ESD-SE HEPA GS, adjustable</b> without case	

Filters and bags for service vacuum cleaner

dpvlink 10375		QR
Article	Type	
7350.535.705E	<b>Medical output filter PH-705 ESD</b> "Medic Air HEPA"	
7350.535.704	<b>HEPA high-power output filter</b> Can be used as deep-pleated and mini-pleated filter efficiency 99.99%	
7350.535.704.A	<b>HEPA high-power output filter incl. adapter</b> Can be used as deep-pleated and mini-pleated filter efficiency 99.99%	
7350.535.722	<b>Replacement dust bag</b> PU = 5 pieces	
7350.535.725	<b>Micro motor filter</b>	
7350.535.726	<b>HEPA Micro motor filter</b>	
7350.535.708	<b>Two-piece blower set 70-200 cm</b>	
7350.535.708.L	<b>Two-piece blower set 105-350 cm</b>	

Accessories for ESD vacuum cleaner



dpvlink 2044		QR
Article	Type	
7350.535.05	<b>ESD Flexible rubber nozzle</b> 300 mm long, Ø 14 mm	
7350.535.07	<b>ESD Flexible rubber nozzle</b> 340 mm long, Ø 14 mm with brush Ø 23 mm / hard bristles	
7350.535.07.MB	<b>ESD Replacement brush for flexible rubber nozzle 7350.535.07</b> hard bristles 1 pair	
7350.535.08	<b>Flexible rubber nozzle</b> 300 mm long, Ø 14 mm with brush Ø 23 mm / medium-hard bristles	
7350.535.08.MB	<b>Replacement brush for flexible rubber nozzle 7350.535.08</b> medium-hard bristles 1 pair	
7350.535.09	<b>Rubber nozzle flexible</b> length 340 mm, Ø 14 mm with brush Ø 23 mm / soft bristles	
7350.535.09.MB	<b>ESD Replacement brush for flexible rubber nozzle 7350.535.09</b> soft bristles 1 pair	
7350.535.19	<b>Rubber nozzle</b> length 430 mm Ø 16 mm	
7350.535.11	<b>ESD Attachable brush hard bristles</b>	
7350.535.12	<b>ESD Attachable brush medium-hard bristles</b>	
7350.535.04	<b>ESD Brush set 6-piece MICRO complete</b> with 5 attachable brushes hard/medium/soft and push-on nozzle	
7350.535.17	<b>Flat ESD crevice nozzle</b>	
7350.535.26	<b>ESD Rubber round nozzle</b>	
7350.535.23	<b>ESD Floor nozzle made of aluminum</b> Width 145 mm	
7350.535.18	<b>Hose extension</b> length 85-350 cm	

## Vacuum cleaner with air cleaning function DP 2002 ESD

Vacuum cleaner with air cleaning function for the use in ESD protected zones designed to reduce effectively toxic and harmful substances as well as viruses and bacteria at the workplace. The versatile applications make other cleaning equipment superfluous, and you will save energy and subsequent costs.

The air is automatically cleaned with every cleaning process. The air cleaning is copied from nature. The cleaner sucks in the dirty air and washes it in the water. The dust is bound in the water and so the air remains always pleasantly clean.



- ideal for blowing out cracks e.g. in the inside of devices
- suitable for cleaning upholsteries and all types of floorings
- deep cleaning of carpets
- longer cleanliness, even with smooth floors
- extensive removal of allergenes
- more effective working time
- no subsequent costs for waste bags, only costs for power consumption
- incl. suction hose 2m

### Technical data:

Dimensions (LxWxH):	395 x 335 x 470 mm
Housing material:	ABS plastic with ESD coating
Engine power:	950 Watt (230 V / 50 Hz)
Air volume per hour:	150 m <sup>3</sup>
Noise level:	69 dB (A)
Weight:	7.8 kg (empty)
Filling capacity:	2 liters of water
Protection class:	IP X4

In compliance with the ESD standard DIN EN 61340-5-1 



### Accessories standard 7350.535.Set consisting of:

- Extension tube set 3 pcs 7350.535.28
- Floor nozzle PP 7350.535.27.PP
- Rubber nozzle flexible 7350.535.20
- Crevice nozzle flat 7350.535.17
- Attachable brush 7350.535.12

dpmlink 25346

Article	Type
7390.2002	Vacuum cleaner with air cleaning function DP 2002 ESD incl. suction hose 3m
7350.535.Set	Accessory kit for ESD vacuum cleaner



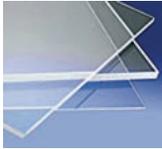
Accessories	
	7350.535.05 <b>ESD Flexible rubber nozzle</b> 300 mm long, Ø 14 mm
	7350.535.07 <b>ESD Flexible rubber nozzle</b> 340 mm long, Ø 14 mm with brush Ø 23 mm / hard bristles
	7350.535.07.MB <b>ESD Replacement brush for flexible rubber nozzle 7350.535.07</b> hard bristles 1 pair
	7350.535.08 <b>Flexible rubber nozzle</b> 300 mm long, Ø 14 mm with brush Ø 23 mm / medium-hard bristles
	7350.535.08.MB <b>Replacement brush for flexible rubber nozzle 7350.535.08</b> medium-hard bristles 1 pair
	7350.535.09 <b>Rubber nozzle flexible</b> length 340 mm, Ø 14 mm with brush Ø 23 mm / soft bristles
	7350.535.09.MB <b>ESD Replacement brush for flexible rubber nozzle 7350.535.09</b> soft bristles 1 pair
	7350.535.19 <b>Rubber nozzle</b> length 430 mm Ø 16 mm
	7350.535.11 <b>ESD Attachable brush hard bristles</b>
	7350.535.12 <b>ESD Attachable brush medium-hard bristles</b>
	7350.535.04 <b>ESD Brush set 6-piece MICRO complete</b> with 5 attachable brushes hard/medium/soft and push-on nozzle
	7350.535.17 <b>Flat ESD crevice nozzle</b>
	7350.535.26 <b>ESD Rubber round nozzle</b>
	7350.535.23 <b>ESD Floor nozzle made of aluminium</b> Width 145 mm
	7350.535.18 <b>Hose extension</b> length 85-350 cm

Transparent ESD plastic materials

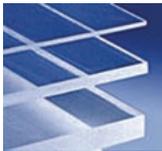
PC-120 ESD Polycarbonate plates



**PC120 ESD polycarbonate plates** have a surface coating on both sides providing a permanent electrostatic dissipation. The surface resistance  $R_s = 10^5 - 10^8$  ohm fulfills the requirements of DIN EN 61340-5-1 for surfaces in ESD protected of EPAs (Electrostatic discharge Protected Area). Charges can be reliably dissipated. The existing surface resistance does not lead to a sudden discharge and sparking. The dissipative surface causes less dirt and dust.



This makes the **PC120 ESD polycarbonate plates** suitable for all applications in the electronics manufacturing as well as for covers of displays. The PC120 ESD polycarbonate plates are particularly suited for low-dust rooms or clean-rooms.



The **PC120 ESD polycarbonate plates** are heat moldable and mechanically workable. They are suitable especially for transparent protective devices due to their high impact resistance.

Applications:

- Protective devices
- Machine covers
- Covering of conveyor belts
- Housing
- Fixture construction
- Test equipment
- transparent trays, etc.



Physical properties	Reference value	Unit	Test method
• Density	1.2	g/cm <sup>3</sup>	ISO 1183
• Water absorption ( <i>water storage</i> )	0.15	%	ISO 62
• Fire behavior	B1	Fire class	DIN 4102

Optical properties	Reference value	Unit	Test method
• Refractive index	1.585	n <sub>D</sub> 20	ISO 489

Electrical properties	Reference value	Unit	Test method
• Specific contact resistance	10 <sup>16</sup>	Ohm cm	IEC 60093
• Dielectric strength	35	kV/mm	IEC 60243
• Surface resistance	10 <sup>5</sup> - 10 <sup>8</sup>	Ohm	IEC 60093 DIN EN 61340-5-1

Mechanical properties	Reference value	Unit	Test method
• Tensile strength	60	MPa	ISO 527
• Impact strength (Charpy without notch)	no break		ISO 179/1fU
• Ultimate elongation	6 (110)	%	ISO 527
• Tensile stress at yield	60 (70)	%	ISO 527
• Modulus of elasticity	2300	MPa	ISO 527
• Abrasion (500 g, CS10F, 500U)	> 10	%Haze	ISO 9352
• Film thickness	< 1	µm	
• Adhesion coating/substrate	Gt0		ISO 2409

Thermal properties	Reference value	Unit	Test method
• Vicat softening temperature	148	°C	B50
• Thermal conductivity	0.2	W/m °C	DIN 52612
• Continuous operation temperature	120	°C	
• Maximum temperature for a short time	135	°C	
• Linear coefficient of thermal expansion	65 10 <sup>-6</sup>	K <sup>-1</sup>	DIN 53752

dpvlink 11217



Article	W [mm]	L [mm]	Thickness [mm]	PU	Plate
<b>PC-120 ESD Polycarbonate plates</b>					
5231.PC-120ESD.2	1200	2000	2	9 piece	2.4 m <sup>2</sup>
5231.PC-120ESD.3	1200	2000	3	6 piece	2.4 m <sup>2</sup>
5231.PC-120ESD.4	1200	2000	4	5 piece	2.4 m <sup>2</sup>
5231.PC-120ESD.5	1200	2000	5	4 piece	2.4 m <sup>2</sup>
5231.PC-120ESD.6	1200	2000	6	3 piece	2.4 m <sup>2</sup>
5231.PC-120ESD.8	1200	2000	8	2 piece	2.4 m <sup>2</sup>
5231.PC-120ESD.10	1200	2000	10	1 piece	2.4 m <sup>2</sup>
5231.PC-120ESD.12	1200	2000	12	1 piece	2.4 m <sup>2</sup>

**Packaging in case of acceptance of incomplete packaging units: 25.00 Euro ++ Plates are delivered with an excess of approx. 20 mm ++**

DPF SK100 Self-adhesive polyester film



SK DPF-100 is a transparent polyester film with a dissipative surface coating. It is suited to a later adhesion of smooth, insulating surfaces.



Properties:

- Film thickness 0.1 mm
- Self-adhesive
- Abrasion-resistant
- Transparent

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 457



Article	Abmessung
5235.DPF.SK100	<b>DPF SK 100 polyester film</b> Width: 1220 mm x 100 m Film thickness: 0.1 mm
5235.DPF.SK100.Z	<b>DPF SK 100 polyester film - cutting</b>

dpvlink 10251



Article	Abmessung
5235.DPF.SK100.A4	<b>DPF-SK100 polyester film A4</b> DIN A4, PU = 100 pieces

DPF 100 Polyester film



DPF 100 is a transparent, polyester film with a dissipative surface coating.



Properties:

- Film thickness 0.1 mm
- Abrasion-resistant
- Dissipative polyester film
- Transparent
- copyable

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 459



Article	Abmessung
5235.DPF.100	<b>DPF 100 polyester film</b> Width 1220 mm x 100 m Film thickness 0.1 mm Roll width 1220 mm x roll length...mm = ...m <sup>2</sup> (roll length max. 100 m)
5235.DPF100.Z	<b>DPF 100 polyester film - cutting</b> Roll width ...mm x length ...mm Film thickness 0.1 mm (Roll length up to 100 m)

dpvlink 8575



Article	Abmessung
5235.DPF.100.A4	<b>DPF 100 polyester film A4</b> DIN A4, PU = 100 pieces

**PVC film**

**NEU** 

**Soft PVC film**

- Permanently dissipative PVC film
- Volume dissipative
- Roll length 50m
- Film width 200 or 300 mm
- Film thickness 2 mm
- Translucent (transparency  $\geq 80\%$ )

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 26129**

Article	Type	W [mm]	Thickness [mm]
5715.02.200.50	Soft PVC film	200	2
5715.02.300.50	Soft PVC film	300	2



**ESD Workplace accessories**

**ESD brushes 6100**

Unlike conventional brushes, no static charges on ESD sensitive flat modules are caused by the cleaning with these conductive brushes.

The conductive brushes consist of an electrostatically volume conductive plastic handle and integrated natural bristles mixed with conductive fibers. The brushes are available in various designs and sizes.

In compliance with ESD standard DIN EN 61340-5-1 

Special brushes and brushes on request

**ESD flat brushes** 



**dpvlink 2007**

Article	Hardness	W [mm]	Bristles
<b>ESD flat brushes</b>			
6100.103	hard	12.5	natural bristles / conductive fibers
6100.104	hard	19	natural bristles / conductive fibers
6100.105	hard	25	natural bristles / conductive fibers
6100.106	hard	38	natural bristles / conductive fibers
6100.107	hard	50	natural bristles / conductive fibers
6100.507	soft	50	natural bristles / conductive fibers



**ESD brushes** 



**dpvlink 2014**

Article	Hardness	W [mm]
<b>ESD brushes</b>		
6100.200	hard	3,0
6100.201	hard	6,0



**ESD hard brush** 



**dpvlink 2017**

Article	Hardness	W [mm]
<b>ESD hard brush</b>		
6100.9001	hard	30
6100.9002	hard	60



**ESD hard brush** 



**dpvlink 2023**

Article	Hardness	W [mm]
<b>ESD hard brush</b>		
6100.4000	hard	80



**ESD flat brush** 



**dpvlink 2020**

Article	Hardness	W [mm]
<b>ESD flat brush</b>		
6100.1001	soft	130
6100.1002	soft	100



ESD brushes 6104

Using these conductive brushes no static charges on ESD sensitive flat modules are caused by cleaning.

- Integrated, permanently dissipative nylon bristles
- Volume conductive plastic handle with ESD symbol
- Yellow bristles, 0.4 mm in diameter
- available in various designs and sizes

In compliance with ESD standard DIN EN 61340-5-1 ⚠

ESD Nylon flat brushes



dpvlink 8607

Article	Hardness	W [mm]	Bristles
<b>ESD Nylon flat brushes</b>			
6104.Y.103	hard	12.5	nylon bristles / dissipative
6104.Y.104	hard	19	nylon bristles / dissipative
6104.Y.105	hard	25	nylon bristles / dissipative
6104.Y.106	hard	38	nylon bristles / dissipative
6104.Y.107	hard	50	nylon bristles / dissipative



ESD Nylon round brushes



dpvlink 8613

Article	Hardness	W [mm]
<b>ESD Nylon round brushes</b>		
6104.Y.200	hard	3,0
6104.Y.201	hard	6,0



ESD Nylon hard brush



dpvlink 8616

Article	Hardness	W [mm]
<b>ESD Nylon hard brush</b>		
6104.Y.9001	hard	30
6104.Y.9002	hard	60



ESD Nylon hard brush



dpvlink 8619

Article	Hardness	W [mm]
<b>ESD Nylon hard brush</b>		
6104.Y.4000	hard	80



ESD brush as key ring



dpvlink 17707

Article	Hardness	W [mm]
<b>ESD brush as key ring</b>		
6104.Y.1200	hard	17
6100.1200	soft	25



ESD brushes 6103

Unlike conventional brushes, no static charges on ESD sensitive flat modules are caused by cleaning with these conductive brushes.

- Integrated, permanently dissipative nylon bristles
- Volume conductive plastic handle with ESD symbol
- black bristles, 0.4 mm in diameter

The brushes are available in various designs and sizes.

In compliance with ESD standard DIN EN 61340-5-1 ⚠

ESD Nylon flat brushes



dpvlink 21332

Article	Hardness	W [mm]	Bristles
<b>ESD Nylon flat brushes</b>			
6103.B.103	hard	12.5	nylon bristles / dissipative
6103.B.104	hard	13	nylon bristles / dissipative
6103.B.105	hard	25	nylon bristles / dissipative
6103.B.106	hard	38	nylon bristles / dissipative
6103.B.107	hard	50	nylon bristles / dissipative



ESD Nylon brush



dpvlink 21338

Article	Hardness	W [mm]
<b>ESD Nylon brush</b>		
6103.B.200	hard	3,0
6103.B.201	hard	6,0



ESD Nylon hard brush



dpvlink 21341

Article	Hardness	W [mm]
<b>ESD Nylon hard brush</b>		
6103.B.9001	hard	30
6103.B.9002	hard	60



ESD Nylon hard brush



dpvlink 21344

Article	Hardness	W [mm]
<b>ESD Nylon hard brush</b>		
6103.B.4000	hard	80



**ESD Brushes 6105**

These brushes allow the risk-free cleaning of printed circuit boards. The handles are made of conductive plastic, the hairs / bristles consist of a mixture of conductive fibers and polyester.

In compliance with ESD standard DIN EN 61340-5-1 

**ESD Brushes** 



dpwlink 2025



Article	Hardness	W [mm]	Brush length	Handle length	Bristles
<b>ESD Brushes</b>					
6105.0707	hard	12.5	30 mm	62 mm	polyester / conductive fibers
6105.1206	hard	12x6	20 mm	100 mm	polyester / conductive fibers
6105.1305	hard	13x5	20 mm	64 mm	polyester / conductive fibers
6105.1806	hard	18x6	20 mm	105 mm	polyester / conductive fibers
6105.2506	hard	25x6	20 mm	110 mm	polyester / conductive fibers
6105.3011	hard	30x11	20 mm	140 mm	polyester / conductive fibers
6105.5006	hard	50x6	20 mm	133 mm	polyester / conductive fibers
6105.5011	hard	50x11	20 mm	144 mm	polyester / conductive fibers
6105.5323	hard	23x53	17 mm	85 mm	polyester / conductive fibers
6105.7011	hard	70x11	20 mm	148 mm	polyester / conductive fibers
6105.3706	hard	37x6	20 mm	123 mm	polyester / conductive fibers

**ESD hand brushes** 

With the brushes of nylon bristles the static charge on ESD sensitive flat modules.



dpwlink 19766



Article	Hardness	W [mm]	Bristles
<b>ESD hand brushes</b>			
6105.RB	hard	Ø125	nylon bristles
6105.120.K	hard	275	nylon bristles

**ESD Dispensing bottles / dispensers**

**Dispenser durAstatic™ ESD -NEUTRAL-** 



ESD Dispenser durAstatic™

- embossed ESD-Symbol
- no volatile additives - reduces contamination risks for the contents
- permanently antistatic
- dispenser WITHOUT IMPRINT

In compliance with ESD standard DIN EN 61340-5-1 

**One Touch / Take Along:**

The pump provides an opening in the center of the dish to allow the liquid to seep back into the bottle and avoid an evaporation. The Take Along has additional a locking device to ensure a safe transportation.

One Touch

Take Along



**Pure Touch / Pure Take:**

The pump has a back flow valve which prevents liquids from going back into the bottle and contaminating the contents. The Pure Take has additional a locking device to ensure a safe transportation.

Pure Touch

Pure Take



dpwlink 16296



Article	Type
<b>-color: yellow-</b>	
2070.276	<b>Dispenser durAstatic™ type 35-276 ESD</b> One-touch-pump, 180 ml, yellow
2070.267	<b>Dispenser durAstatic™ type 35-267 ESD</b> Pure-touch-pump, 180 ml, yellow
2070.268	<b>Dispenser durAstatic™ type 35-268 ESD</b> Pure-take pump, 180ml, yellow
<b>-color: green-</b>	

dpvlink 16296

Article	Type
2070.273	<b>Dispenser durAstatic™ type 35-273 ESD</b> One-touch pump, 180ml, green  -color: orange-
2070.270	<b>Dispenser durAstatic™ type 35-270 ESD</b> One-touch pump, 180ml, orange  -color: blue-
2070.282	<b>Dispenser durAstatic™ Type 35-282 ESD</b> One-Touch pump, 120 ml, blue
2070.283	<b>Dispenser durAstatic™ Type 35-283 ESD</b> One-Touch pump, 180 ml, blue
2070.284	<b>Dispenser durAstatic™ Type 35-284 ESD</b> One-Touch pump, 240 ml, blue
2070.287	<b>Dispenser durAstatic™ Type 35-287 ESD</b> Take-Along pump, 180 ml, blue
2070.286	<b>Dispenser durAstatic™ Type 35-286 ESD</b> Pure-Take pump, 180 ml, blue



**Dispenser durAstatic™ ESD -ACETONE-**



ESD Dispenser durAstatic™

- embossed ESD symbol
- no volatile additives - reduces the risks of contamination for the contents
- permanently antistatic



In compliance with ESD standard

DIN EN 61340-5-1

dpvlink 18234

Article	Type
2070.277.AC	<b>Dispenser durAstatic™ Type 35-277.AC ESD</b> One-Touch-Pump, 180 ml, yellow Imprint "Aceton"
2070.274.AC	<b>Dispenser durAstatic™ Type 35-274.AC ESD</b> One-Touch-pump, 180 ml, green Imprint "Aceton"
2070.271.AC	<b>Dispenser durAstatic™ Type 35-271.AC ESD</b> One-Touch-pump, 180 ml, orange Imprint "Acetone"
2070.288.AC	<b>Dispenser durAstatic™ Type 35-288.AC ESD</b> One-Touch pump, 240 ml, blue Imprint "Acetone"



**Dispenser durAstatic® ESD -ACETONE- with GHS label**



ESD Dispenser durAstatic®

- GHS symbol
- embossed ESD symbol
- no volatile additives - reduces contamination risks for the contents
- permanently dissipative



In compliance with ESD standard

DIN EN 61340-5-1

dpvlink 24601

Article	Type
2070.291.AC	<b>Dispenser durAstatic® type 35-254 AC ESD</b> One-Touch-Pump, 180 ml, yellow Imprint "Aceton", with GHS label
2070.293.AC	<b>Dispenser durAstatic® type 35-257 AC ESD</b> One-Touch-Pump, 180 ml, orange Imprint "Aceton", with GHS label
2070.294.AC	<b>Dispenser durAstatic® type 35-258 AC ESD</b> One-Touch-Pump, 180 ml, green Imprint "Aceton", with GHS label



**Dispenser durAstatic™ ESD -Isopropanol IPA-**



ESD Dispenser durAstatic™

- embossed ESD symbol
- no volatile additives - reduces the risks of contamination for the contents
- permanently antistatic



In compliance with ESD standard

DIN EN 61340-5-1

dpvlink 18235

Article	Type
2070.278.IPA	<b>Dispenser durAstatic™ Type 35-278.IPA ESD</b> One-Touch-Pump, 180 ml, yellow Imprint "Isopropanol (IPA)"
2070.275.IPA	<b>Dispenser durAstatic™ Typ 35-275.IPA ESD</b> One-Touch-Pump, 180 ml, grün Aufdruck "Isopropanol (IPA)"
2070.272.IPA	<b>Dispenser durAstatic™ Typ 35-272.IPA ESD</b> One-Touch-Pump, 180 ml, orange Imprint "Isopropanol (IPA)"
2070.289.IPA	<b>Dispenser durAstatic™ Type 289.IPA ESD</b> One-Touch pump, 240 ml, blue Imprint "Isopropanol (IPA)"



**Dispenser durAstatic® ESD -ISOPROPRANOL- with GHS label**



ESD Dispenser durAstatic®

- GHS symbol
- embossed ESD symbol
- no volatile additives - reduces the risks of contamination for the contents
- permanently dissipative



In compliance with ESD standard

DIN EN 61340-5-1

dpvlink 24662

Article	Type
2070.290.IPA	<b>Dispenser durAstatic® type 35-249 IPA ESD</b> One-Touch-Pump, 180 ml, yellow Imprint "Isopropanol", with GHS label
2070.292.IPA	<b>Dispenser durAstatic® type 35-252 IPA ESD</b> One-Touch-Pump, 180 ml, orange Imprint "Isopropanol", with GHS label
2070.294.IPA	<b>Dispenser durAstatic® type 35-253 IPA ESD</b> One-Touch-Pump, 180 ml, green Imprint "Isopropanol", with GHS label



**Dispenser durAstatic® ESD -FLUX REMOVER-**



ESD Dispenser durAstatic®

- embossed ESD symbol
- no volatile additives - reduces the risks of contamination for the contents
- permanently antistatic



In compliance with ESD standard

DIN EN 61340-5-1

dpvlink 18237

Article	Type
2070.595.FR	<b>Dispenser durAstatic™ Typ 35-595 ESD</b> One-Touch-Pump, 180 ml, yellow Imprint "FLUX REMOVER"
2070.594.FR	<b>Dispenser durAstatic™ Typ 35-594 ESD</b> One-Touch-Pump, 180 ml, blue Imprint "FLUX REMOVER"



### Dispensing bottles ESD durAstatic®



- ESD dispensing bottles
- material: LDPE durAstatic® plastic
- dissipative
- yellow with ESD logo

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 4959**

Article	Type
2070.350	Dispensing bottles ESD durAstatic® yellow, 500 ml



### ESD water bottles durAstatic®



- ESD water bottles
- material: LDPE durAstatic® plastic
- dissipative
- blue or yellow with ESD logo

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 24676**

Article	Type
2070.325	ESD water bottles durAstatic®, 240 ml
2070.351	ESD water bottles durAstatic®, 475 ml



### ESD dispensing bottles durAstatic®



- ESD dispensing bottles
- material: LDPE durAstatic® plastic
- dissipative
- blue or yellow with ESD logo
- for water or isopropanol

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 24671**

Article	Type
2070.325.DW	ESD water bottle durAstatic® "DI WATER", 240 ml
2070.325.IPA	ESD water bottle durAstatic® "ISOPROPANOL", 240 ml
2070.351.DW	ESD water bottle durAstatic® "DI WATER", 475 ml
2070.351.IPA	ESD water bottle durAstatic® "ISOPROPANOL", 475 ml



### ESD Dispenser bottles



ESD dispenser bottles  
Material: HDPE plastic,  
electrostatically dissipative  
light blue or yellow with ESD logo

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 20435**

Article	Type
2070.35-004	Dispenser bottles light blue ESD, 250 ml
2070.35-004.gelb	Dispenser bottles yellow ESD, 250 ml
2070.35-005	Dispenser bottles light blue ESD, 500 ml



### ESD spray bottle durAstatic®



- ESD spray bottle
- material: LDPE durAstatic® plastic
- blue or yellow with ESD logo
- dissipative

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 24666**

Article	Type
2070.35796	ESD spray bottle durAstatic®, yellow, 240 ml
2070.35797	ESD spray bottle durAstatic®, blue, 240 ml
2070.35798	ESD spray bottle durAstatic®, yellow, 475 ml
2070.35799	ESD spray bottle durAstatic®, blue, 475 ml



### ESD Spray bottle



ESD spray bottle  
Material: HDPE plastic,  
electrostatically dissipative  
light blue or yellow with ESD logo

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 20439**

Article	Type
2070.35-006	ESD spray bottle, light blue, 250 ml
2070.35-006.gelb	ESD spray bottle, yellow, 250 ml
2070.35-007	ESD spray bottle, light blue, 500 ml



### ESD Water bottle



ESD water bottle  
Material: HDPE plastic,  
electrostatically dissipative  
light blue or yellow with ESD logo

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 20441**

Article	Type
2070.35-008	ESD water bottle, light blue, 250 ml
2070.35-008.gelb	ESD water bottle, yellow, 250 ml
2070.35-009	ESD water bottle, light blue, 500 ml



### Flux-Dispenser durAstatic™ ESD



ESD durAstatic™ Flux Dispenser made of Inherently  
Dissipative Polymer, permanently dissipative, blue or  
yellow

Dispensing needle with thread  
durAstatic™ = permanently dissipative due to network  
structure

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 20268**

Article	Thread	Size	Internal Ø	Color
2070.35566	ESD Flux-Dispenser 60 ml blue	yes	16	1.35 mm purple
2070.35564	ESD Flux-Dispenser 60 ml blue	yes	20	0.58 mm yellow
2070.35563	ESD Flux-Dispenser 60 ml blue	yes	26	0.24 mm white
2070.35572	ESD Flux-Dispenser 60 ml yellow	yes	20	0.58 mm yellow
2070.35571	ESD Flux-Dispenser 60 ml yellow	yes	26	0.24 mm white



ESD Office supplies

**IDP-STAT® Magnetic document holder**



- front made of dissipative IDP-STAT® film, open top
- back made of fully surfaced magnetic film
- ESD logo

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 21647		QR Code	
Article	Type		
3016.MDT.A4	<b>ESD magnetic document holder DIN A4 horizontal format</b> Dimensions: 330 x 230 mm		
3016.MDT.A3	<b>ESD magnetic document holder DIN A3 horizontal format</b> Dimensions: 430 x 330 mm		

**IDP-STAT® ESD Folder DIN A 4**



Permanently dissipative PVC folder

- made of Inherently Dissipative Polymer (IDP)
- metal tongue
- color: blue/transparent or yellow/transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 2099				QR Code	
Article	Type	DIN Size	Color		
5710.A4.1	ESD folder	DIN A4	blue / transparent		
5710.A4.Y	ESD folder	DIN A4	yellow / transparent		

**IDP-STAT® ESD Spring binder**



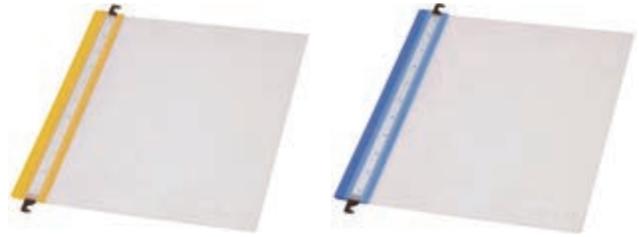
Permanently dissipative PVC spring binder

- Inherently Dissipative Polymer (IDP)
- color: blue/transparent or yellow/transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 19814				QR Code	
Article	Type	DIN Size	Color		
5710.A4.K.T	ESD Spring binder	DIN A4	clear / transparent		

**IDP-STAT® ESD Hanging file folder DIN A 4**



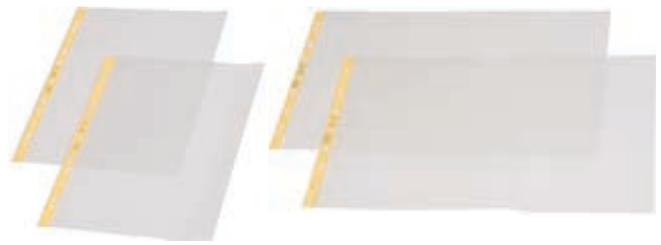
Permanently dissipative PVC hanging file folder

- made of Inherently Dissipative Polymer (IDP)
- metal tongue
- color: blue/transparent or yellow/transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 10232				QR Code	
Article	Type	DIN Size	Color		
5710.A4.H	ESD Hanging file folder	DIN A4	blue / transparent		
5710.A4.H.Y	ESD Hanging file folder	DIN A4	yellow / transparent		

**IDP-STAT® ESD Document protectors**



Permanently dissipative document protectors of polypropylene film

- made of inherently dissipative polymer (IDP)
- grained surface
- 1 side open with perforations
- color: transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1 ESD

dpvlink 8622					QR Code	
Article	DIN Size	Color	Thickness [mm]	PU		
3017.319.IDP	DIN A4	transparent	0.09	100 piece		
3017.322.IDP	DIN A3	transparent	0.09	50 piece		

**IDP-STAT® ESD Document protectors for information tables**



For information tables at the workstation or storage in folder (multiple usage)

- made of inherently dissipative polymer (IDP)
- 1 side open with perforations (multiple perforations)
- color: transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1 ESD

dpvlink 25703					QR Code	
Article	DIN Size	Color	Thickness [mm]	PU		
3015.KH.IDP	DIN A4	transparent	0.25	100 piece		

### IDP-STAT® ESD Document protectors



Permanently dissipative PVC document protectors

- made of inherently dissipative polymer (IDP)
- 2 sides open
- color: clear, transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1 ESD

**dpvlink 20263**

Article	DIN Size	Color	Thickness [mm]	PU
3015.321.IDP.150	DIN A4	clear / transparent	0.15	100 piece
3015.321.IDP.250	DIN A4	clear / transparent	0.25	100 piece



### IDP-STAT® Document protectors clear/transparent



Permanently dissipative document protectors of polypropylene film

- made of inherently dissipative polymer (IDP)
- grained surface
- 2 sides open
- color: clear, transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1 ESD

**dpvlink 19821**

Article	DIN Size	Color	Thickness [mm]	PU
3017.321.IDP.PP	DIN A4	clear / transparent	0.09	100 piece



### Document protectors Permastat® clear/transparent



Document protectors of polyethylene film

- color: clear/transparent
- on side open, with perforations
- standard imprint: ESD logo, recycling symbol, production date and lot no.
- recyclable

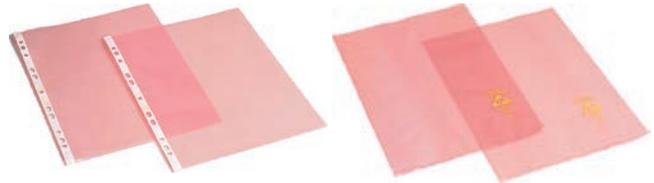
In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 2094**

Article	DIN Size	Color	Thickness [mm]	PU
3115.320.K	DIN A4	clear / transparent	0.1	100 piece



### Document protectors Permastat®



Document protectors of polyethylene film

- color: pink/transparent
- standard imprint: ESD logo, recycling symbol and lot no.
- recyclable

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 2087**

Article	Type	DIN Size	Color	Thickness [mm]	PU
3115.320	Document protectors, 1 side open, with perforations	DIN A4	rose / transparent	0.1	100 piece
3115.321	Document protectors, 2 sides open, without perforations	DIN A4	rose / transparent	0.1	100 piece



### ESD Laminating film



Dissipative laminating film

- color: transparent
- without labelling
- recyclable

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 9703**

Article	DIN Size	Color	Thickness [mm]	PU
5720.LFT.A4	DIN A4	transparent	2 x 0,1	50 piece
3115.5230.A4/100	DIN A4	transparent	2 x 0,08	100 piece
3115.5230.A3/100	DIN A3	transparent	2 x 0,08	100 piece



### ESD Label pocket



- self-adhesive, transparent
- dissipative
- dimensionally stable PVC
- ideal to carry documents on cases, boxes, shelves and trolleys
- adhesive surface is stable and leaves no residues on most of the surfaces

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 7997**

Article	Type
3115.5260	<b>ESD Label pocket DIN A7</b> 117 x 82 mm landscape (PU = 6 pieces)
3115.5261	<b>ESD Label pocket DIN A6</b> 115 x 148 mm portrait (PU = 4 pieces)
3115.5262	<b>ESD Label pocket DIN A4</b> 219 x 300 mm portrait (PU = 1 piece)



### Delivery note pockets



self-adhesive, transparent, matt, dissipative

In compliance with ESD standard

DIN EN 61340-5-1 

**dpvlink 10922**

Article	Type
COR-05.LT	Delivery note pockets 140 x 100 mm
COR-10.LT	Delivery note pockets, 210 x 100 mm



## Ring folder



Dissipative ring folder made of solid board

- edge protection
- color: black
- labelling back
- ESD symbol
- material thickness: approx. 3 mm

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 2145

Article	DIN Size	Back width	Version
5800.846	DIN A4	45 mm	4 rings
5800.847	DIN A4	65 mm	4 rings
5800.848	DIN A4	65 mm	2 rings



## Ring folder



Dissipative ring folder made of solid board

- edge protection;
- lever mechanism
- color: black
- labelling back
- ESD symbol
- material thickness: approx. 3 mm

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 10229

Article	DIN Size	Back width	Version
5800.850	DIN A4	74 mm	2 rings



## PVC Ring folder



### PVC ring folder

- permanently antistatic
- cover made of textured PVC film
- color: light blue
- ESD symbol

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 2186

Article	DIN Size	Back width	Version
5801.100	DIN A4	35 mm	4 rings, 15mm
5801.101	DIN A4	45 mm	2 rings, 25mm
5801.102	DIN A4	45 mm	4 rings, 25mm
5801.103	DIN A4	75 mm	2 rings, 50mm
5801.104	DIN A4	75 mm	4 rings, 50mm



## Ring folder IDP-STAT®



Permanently dissipative ring folder

- PVC soft film with cardboard reinforcement
- Inside and outside with electrostatically dissipative IDP-STAT® film
- ESD symbol
- Front cover and spine upper part approx. 5 mm shorter, open as pocket
- Dimension of cover (H x L) approx. 315 x 265 mm
- back width 45 or 30 mm
- Color: black or yellow

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 19521

Article	DIN Size	Back width	Version	Color
5710.RB.B	DIN A4	45 mm	4 rings	black
5710.RB.B.30	DIN A4	30 mm	4 rings	black
5710.RB.Y	DIN A4	45 mm	4 rings	yellow



## PE Ring folder



Conductive PE (polyethylene) ring folder

- color: black
- ESD symbol
- material thickness approx. 3 mm

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 9679

Article	DIN Size	Back width	Version
5801.421	DIN A4	25 mm	4 rings
5801.422	DIN A4	45 mm	4 rings
5801.481	DIN A4	45 mm	2 rings



## Ring folder



Conductive ring folder

- cardboard with cover of dissipative film
- edge protection
- with lever mechanism
- color: black
- ESD symbol

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 16885

Article	DIN Size	Back width	Version
5801.2045	DIN A4	45 mm	2 rings
5801.2075	DIN A4	75 mm	2 rings



### ESD Clipboard



ESD clipboard made of polypropylene (PP)

- permanently antistatic
- ESD logo
- color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 16892**

Article	Type
5801.300.B	ESD clipboard, DIN A5
5801.301.B	ESD clipboard, DIN A4
5801.302.B	ESD clipboard, DIN A4 with cover



### PVC Clipboard



PVC clipboard

- Cover made of textured PVC film
- permanently antistatic
- ESD symbol
- color: light blue

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 2204**

Article	Type
5801.301	PVC clipboard, DIN A4, standard



### Clipboard IDP-STAT®



Permanently dissipative ESD clipboard

- PVC flexible film with cardboard reinforcement
- Inside and outside with electrostatically dissipative IDP-STAT® film
- spine with cut-off for pen
- wire clamp
- ESD logo

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 22385**

Article	W [mm]	H [mm]	DIN Size	Color
5710.CB.B.NV	235	315	DIN A4	black
5710.CB.Y.NV	235	315	DIN A4	yellow



### ESD Clipboard with cover IDP-STAT®



Permanently dissipative ESD clipboard with cover

- PVC flexible film with cardboard reinforcement
- Inside and outside with electrostatically dissipative IDP-STAT® film
- spine with cut-off for pen
- wire clamp
- ESD logo

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 19524**

Article	DIN Size	Color
5710.CB.Y	DIN A4	yellow
5710.CB.B	DIN A4	black



### ESD Document holder



ESD document holder DIN A4

- antistatic
- made of PE (polyethylene)
- color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 16894**

Article	Type
5801.320	<b>ESD document holder DIN A 4</b> back width approx. 20 cm



### Clipboard aluminum



Dissipative clipboard for DIN A4

- aluminum anodizing
- high clamping force
- dimensions: 230 x 320/340 mm

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 8148**

Article	Type	Dimensions LxW [mm]
5600.401.A4	Clipboard aluminum DIN A4	320 x 230
5600.402.A4	Clipboard aluminum DIN A4 with removable calculator	340 x 230



### ESD Storage bag



- dissipative bag with 2 handles
- zipper
- dimensions: 220 x 100 x 100 mm (LxWxH)
- electrostatically dissipative polyester fabric

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 21645**

Article	Type
8781.T.H	ESD storage bag



### ESD bags



- dissipative bag with two handles
- dimensions: 360 x 400 mm
- ESD symbol on both sides
- dissipative mixed cotton fabric

In compliance with the ESD standard DIN EN 61340-5-1

**dpvlink 25185**

Article	Type
2675.T.W	ESD bag 360 x 400 mm



### ESD Metal ball pen



ESD metal ball pen

- ESD logo on clip
- color black/metallic
- black pen refill

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 18456**

Article	Type	PU
7955.PEN.N	ESD Metal ball pen	10 piece



### ESD Ball pen



ESD Ball pen

- ESD logo on clip
- color: yellow/black
- pen refill "Jumbo Marathon blue"

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 2123**

Article	Type
5825.1205.B	ESD ball pen, dissipative



### ESD Ruler



ESD ruler

- transparent
- length: 30 cm

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 16867**

Article	Type
5825.1045	ESD ruler



### ESD Scissors



ESD scissors

handle: ABS black

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 16869**

Article	Type
5825.1046	ESD Scissors



### ESD Cutter



ESD cutter

ABS black

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 16878**

Article	Type
5825.1048	ESD Cutter



### ESD Puncher



ESD puncher

black, plastic parts ABS

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 16871**

Article	Type
5825.1051	ESD Puncher



### ESD Stapler



ESD stapler

black

In compliance with ESD standard  
DIN EN 61340-5-1

**dpvlink 16880**

Article	Type
5825.1057	ESD stapler



### ESD Pen holder



ESD pen holder  
ABS black  
In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 16873**

Article	Type
5825.1052	ESD Pen holder



### ESD Pen holder with perforations



ESD pen holder, with perforations  
ABS black  
In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 17302**

Article	Type
5825.1053	ESD Pen holder with perforations



### ESD Tape dispenser



In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 16875**

Article	Type
5825.1047	<b>ESD tape dispenser</b> for tapes with max. 25 mm width suitable for core diameter Ø 25 mm and 76 mm
5825.1047-25	<b>ESD tape dispenser</b> for tapes with max. 25 mm width suitable for core diameter Ø 25 mm



### ESD Calculator



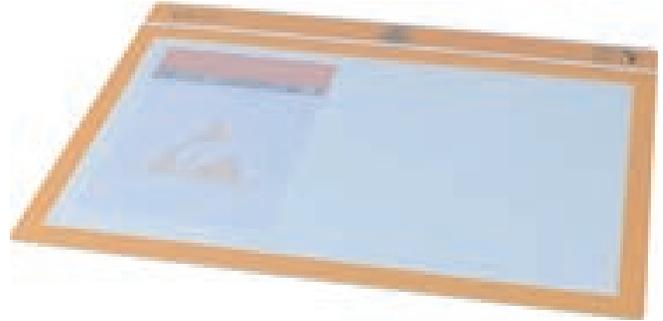
ESD calculator  
black  
In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 16861**

Article	Type
5825.1041	ESD calculator



### IDP-STAT® PVC desk mat



- Dissipative, upwards foldable desk mat
- contact face/surface made of dissipative IDP-STAT® film
- back made of foam film
- with 10 mm snap fastener as grounding contact point
- ESD symbol

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 21650**

Article	Type
5710.SM.Y	<b>ESD desk mat</b> Dimensions: 600 x 400 mm



### ESD Optical mouse



ESD optical mouse  
USB and PS2 connections, black  
In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 16865**

Article	Type
5825.1044	ESD optical mouse



### ESD Mouse pad Vinyl



Mouse pad made of vinyl

- dimensions: 180x220x3,5 mm
- textured surface

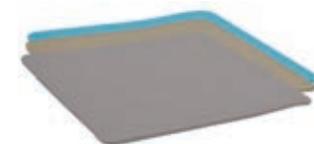
In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 18452**

Article	Type
3M-82MP.1.blau	ESD Mouse pad blue
3M-82MP.1.grau	ESD Mouse pad grey



### ESD Mouse pad synthetic rubber



Mouse pad made of synthetic rubber

- Dimensions: 180x220x2 mm
- structured surface

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 18448**

Article	Type
1402.662.MP1.beige	ESD Mouse pad -beige-
1402.663.MP1.grau	ESD Mouse pad -platinum grey-
1402.665.MP1.blau	ESD Mouse pad -light blue-



### IDP-STAT® Mouse pad



ESD Mouse pad

- soft PVC film with cardboard reinforcement
- exterior with electrostatically dissipative IDP-STAT film
- Dimensions: 225 x 185 mm

dpvlink 19797

Article	Type
5710.MP.B	IDP-STAT® ESD Mouse pad -black-



### Filing trays



Filing trays

- DIN A4 landscape
- with ESD logo on the back
- stable design
- stackable
- dimensions: 343 x 258 x 53 mm

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 2126

Article	Type
5150.841	<b>Filing tray DIN A4</b> black, volume conductive
5150.841.GELB	<b>Filing tray DIN A4</b> yellow, E9 dissipative



### ESD Filing trays



ESD filing trays  
black

In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 16882

Article	Type
5150.1059	ESD filing trays



### Magazine file ESD



ESD magazine file DIN A4

- 3 compartments
- material: ABS dissipative, black
- dimensions: 256 x 306 x 251 mm

In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 16890

Article	Type
5150.1055	ESD magazine file DIN A4



### Organization system



Aluminum rails and equipment for stacking trays / rack bins of the new organization system in the ESD laboratory.



dpvlink 10632

Article	Type
048.AS50.ESD	<b>Aluminium rail 500 mm</b> <i>(grounding cable not included in the scope of delivery)</i>
048.AS100.ESD	<b>Aluminium rail 1000 mm</b> <i>(grounding cable not included in the scope of delivery)</i>
048.Haken	<b>Hook for aluminium rail (5pcs set)</b>
048.MP1	<b>Magnet plate 450 x 310 mm</b>
048.R30.ESD	<b>Magnet pin round 30 mm</b>
048.R40.ESD	<b>Magnet pin round 40 mm</b>
048.D40.ESD	<b>Triangular magnet pin 40 mm</b>
048.Q40.ESD	<b>Magnet pin square 40 x 40 mm</b>
048.PL18.ESD	<b>Plate for tray small</b>
048.PL16.ESD	<b>Plate for tray large</b>
048.DC1.ESD	<b>Triangular clip with spring</b>



### Stacking trays / rack bins for organization system



conductive, black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 10629

Article	Dimensions outside DxWxH [mm]	
048.A4-18.ESD	160 x 210 x 82 / 126 x 178 x 79	black
048.A4-16.ESD	240 x 210 x 82 / 208 x 178 x 79	black



**ESD Tarifold IDP-STAT Document holding system**

Document holding system for a clean storage of information sheets

**Tarifold IDP-STAT® Suspended document holder DIN A4**



- IDP-STAT® film material
- Permanently dissipative IDP film
- Color: clear, transparent
- Frame color: black
- ESD symbol

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 10231**



Article	Type
5600.325	<b>Tarifold IDP-STAT® suspended document holder</b> PU = 10 document holders

**Tarifold IDP-STAT® Pivoting document holder DIN A4**



- IDP-STAT® film material
- Permanently dissipative IDP film
- Color: clear, transparent
- Frame color: black
- ESD symbol

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 2154**



Article	Type
5600.324	<b>Tarifold IDP-STAT Standard pivoting document holder DIN A4</b> PU = 10 document holders
5600.326.EL	<b>Tarifold IDP-STAT pivoting document holder DIN A4</b> PU = 10 pivoting document holders (Easy Load)

**Tarifold IDP-STAT® Wall bracket standard**



Wall bracket system with pivoting document holders for storing information sheets  
Swivel arm with integrated spring mechanism; ergonomic and space-saving design; span width of the table clamp 63 mm

**dpvlink 2160**



Article	Type
5600.100	<b>Tarifold IDP-STAT wall bracket</b> with 10 pivoting document holders for wall mounting

**Tarifold IDP-STAT® magnetic wall bracket**



Wall bracket system with folding pivoting document holder (easy load) for storing information sheets carefully.

- Aluminium holder for wall mounting
- Magnetic surface to fix 10 pivoting document holders (+ fixing clamps only with article 5600.150.M)

**dpvlink 19800**



Article	Type
5600.150.M	<b>Tarifold IDP-STAT® magnetic wall bracket</b> with 10 pivoting document holders for wall mounting (including fixing clamps)
5600.150.M.WH	<b>Tarifold IDP-STAT® magnetic wall bracket</b> (magnetic) separate (without fixing clamps)

**Tarifold IDP-STAT table stand**



Table stand to fix pivoting document holders

**dpvlink 19813**



Article	Type
5600.101	<b>Tarifold IDP-STAT table stand</b> with 10 pivoting document holders

**Tarifold IDP-STAT® accessories**



Accessories for wall bracket standard

**dpvlink 19878**



Article	Type
5600.450.G	<b>Tarifold IDP-STAT pivoting arm</b> suitable for wall bracket art. no. 5600.100
5600.120	<b>Tarifold IDP-STAT telescopic table-top holder</b> suitable for wall bracket article 5600.100

ESD Labelling

Self-adhesive paper labels

Label ESD protection (roll)



**ESD warning label**, self-adhesive paper  
Symbol (roll = 1000 pcs); square

**dpvlink 1279**

Article	Dimensions LxW	Count	Type
2860.002	12.5 x 12.5 mm	1000 piece	roll
2860.003	50 x 50 mm	1000 piece	roll



Label ESD (roll)



**ESD warning label**, self-adhesive paper  
Symbol (roll = 1000 pcs)

**dpvlink 1090**

Article	Dimensions LxW	Count	Type
2855.001	5,0 x 5,0 mm	1000 piece	roll
2855.002	12,5 x 12,5 mm	1000 piece	roll
2855.003	50 x 50 mm	1000 piece	roll
2855.004	25 x 25 mm	1000 piece	roll



Label ESD round (roll)



**ESD warning label**, self-adhesive paper  
round 6 mm / symbol (roll = 4000 pcs)

**dpvlink 1282**

Article	Ø	Count	Type
2850.6	6.0 mm	4000 piece	roll



Label Handling instructions



**ESD warning label**, self-adhesive paper  
Label in German

**dpvlink 1297**

Article	Dimensions LxW	Count	Type
2850.3675.d	36 x 75 mm	1000 piece	roll



Label Handling instructions



**ESD warning label**, self-adhesive paper  
Label in English

**dpvlink 1294**

Article	Dimensions LxW	Count	Type
2850.3675.e	36 x 75 mm	1000 piece	roll



Label Trained personnel



**ESD warning labels**, self-adhesive paper  
Label German / English

**dpvlink 1299**

Article	Dimensions LxW	Count	Type
2850.26105.de	105 x 26 mm	1000 piece	roll



ESD Label



**ESD warning label**, self-adhesive paper

Label in English, French and German

**dpvlink 1301**

Article	Dimensions LxW	Count	Type
2850.26138.def	26 x 138 mm	1000 piece	roll



Labels Type 129LABEL



**Warning label according to MIL-STD-129**

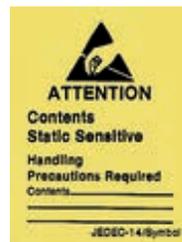
The label shows a warning symbol in strict accordance to the new military standard.

**dpvlink 13162**

Article	Dimensions LxW	Count	Type
3M-129LABEL	50 x 50 mm	500 piece	roll



Attention labels Type ALABEL



**Attention Sticker**

This warning label, in accordance with JEDEC / EIA, shows the hand symbol. The label can be individually written on and is therefore versatile.

**dpvlink 13164**

Article	Dimensions LxW	Count	Type
3M-ALABEL	64 x 46 mm	500 piece	roll



Attention labels Type ALABEL5/8X2



**Attention stickers, small**

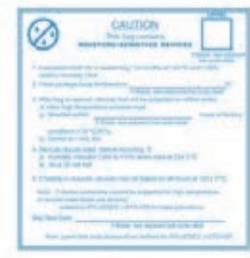
This approx. 16 x 50 mm large warning label is, in accordance with JEDEC / EIA, especially suitable for the sealing of protective bags.

**dpvlink 13166**

Article	Dimensions LxW	Count	Type
3M-ALABEL5/8x2	16 x 50 mm	1000 piece	roll



## Labels Type 113LABEL



### Moisture warning label

For the use on protective bags against moisture. The sticker shows the warning symbol and information in accordance with IPC/JEDEC J-STD-033 and JEDEC113.

#### dpvlink 13160

Article	Dimensions LxW	Count	Type
3M-113LABEL	100 x 100 mm	100 piece	roll

## Self-adhesive film labels

### Label ESD triangular



#### ESD warning label, triangular

PVC film self-adhesive, DIN 40021

Version: 8 - 50 mm label without yellow edge

#### dpvlink 1304

Article	L [mm]	Count	Type
2850.630	8	117 piece	sheet
2850.12.5	12.5	1000 piece	roll
2850.632.500	25	500 piece	roll
2850.633.500	50	500 piece	roll

### Label ESD or EPA protection



#### ESD and EPA warning label

PVC film, self-adhesive

#### dpvlink 1315

Article	Dimensions LxW	Count	Type
2850.3025.ESD	ESD 30 x 25 mm	50 piece	sheet
2850.3025.EPA	EPA 30 x 25 mm	50 piece	sheet
2850.6060.EPA	EPA 60 x 60 mm	12 piece	sheet
2850.9898.EPA	EPA 98 x 98 mm	1 piece	single

### Label EPA Protection round



#### EPA warning label, PVC film (self-adhesive)

round 10 mm

#### dpvlink 22055

Article	Ø	Count	Type
2850.10.EPA	10 mm	204 piece	sheet

### Warning label EPA



#### Warning label EPA

PVC film, self-adhesive

#### dpvlink 16601

Article	Dimensions LxW	Count	Type
2850.3030.rot	30 x 30 mm	30 piece	sheet

## Label Handling instructions



Label German / English

#### dpvlink 1317

Article	Dimensions LxW	Count	Type
2850.635.500	18 x 37 mm	500 piece	roll
2850.636.500	26 x 52 mm	500 piece	roll
2850.637.500	37 x 74 mm	500 piece	roll
2850.638.500	52 x 105 mm	500 piece	roll

### Label Trained personnel



Label German / English

#### dpvlink 1330

Article	Dimensions LxW	Count	Type
2850.635-2.500	18 x 37 mm	500 piece	roll
2850.636-2.500	26 x 52 mm	500 piece	roll
2850.637-2.500	37 x 74 mm	500 piece	roll
2850.638-2.500	52 x 105 mm	500 piece	roll

### Label Grounding point



ESD symbol 20 x 40 mm, "EBP" ground contact point, PVC film (PU/sheet= 30 pcs)

#### dpvlink 1345

Article	Dimensions LxW	Count	Type
2850.2040	20 x 40 mm	30 piece	sheet

### Package seal



Package seal 50 x 35 mm tamper-proof - tears when being removed labeling: German/English PVC foil (reel= 500 pieces)

#### dpvlink 16605

Article	Dimensions LxW	Count	Type
2850.645.500	50 x 35 mm	500 piece	roll

Package seal

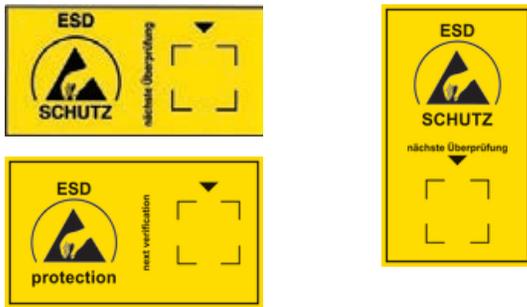


- special PE sealing label self-destroying when removed
- self-adhesive
- bilingual German / English
- Core diameter: 40 mm
- Roll = 1000 pieces

**dpvlink 17711**

Article	Dimensions LxW	Count	Type
2850.SEC	105 x 26 mm	1000 piece	roll

Label base for test badge



**dpvlink 1915**

Article	Type	W [mm]	L [mm]	Count
2850.6035	Label base for test badge	35	60	30 piece
2850.6035.e	Label base for test badge -English-	35	60	30 piece
2850.6035.02	Label base for test badge Portrait	35	60	30 piece
2850.6035.23	Test badge square year 2023	15	15	30 piece
2850.6035.24	Test badge square year 2024	15	15	30 piece
2850.6035.25	Test badge square year 2025	15	15	30 piece
2850.6035.26	Test badge square year 2026	15	15	30 piece
2850.6035.27	Test badge square year 2027	15	15	30 piece



**dpvlink 24654**

Article	Type	Ø	Count
2850.6035.23.R	Test badge round year 2023	20 mm	30 piece
2850.6035.24.R	Test badge round year 2024	20 mm	30 piece
2850.6035.25.R	Test badge round year 2025	20 mm	30 piece
2850.6035.26.R	Test badge round year 2026	20 mm	30 piece
2850.6035.27.R	Test badge round year 2027	20 mm	30 piece

Warning labels for ESD workplaces and EPA

Warning label Protected workstation



Warning label, self-adhesive, PVC film one-side printing in German and English

**dpvlink 3007**

Article	L [mm]	W [mm]
2850.10050.EPA	50	100

Warning signs for ESD workstations



one-sided printing, plastic label with suspension holes [Texts d = German / e = English]

**dpvlink 1354**

Article	L [mm]	W [mm]	Material	Thickness [mm]
2850.300500.d	500	300	film / auto-adhesive	
2850.300500.e	300	500	film / SA	
2855.142.d	150	300	Plastic	3
2855.143.d	300	600	Plastic	3

double-sided printing, hardfoam plate with suspension holes [Texts d = German / e = English]

**dpvlink 7335**

Article	L [mm]	W [mm]	Material	Thickness [mm]
2850.300500.KS.d	300	500	Plastic	3
2850.300500.KS.e	300	500	Plastic	3

Warning label - No deposit



Warning sticker - no deposit of assemblies

100 x 70 mm in landscape format Labeling: German PVC film (suitable for outdoor)

PU = 10 pieces

**dpvlink 19817**

Article	Dimensions LxW
2850.10070.de	70 x 100 mm

Warning labels for area identification



one-sided printing, plastic label with suspension holes, [Text d = German / de = German + English]

**dpvlink 8017**

Article	L [mm]	W [mm]	Material	Thickness [mm]
2855.148.de	150	300	Plastic	3
2855.148.d	150	300	Plastic	3
2855.149.de	300	600	Plastic	3
2855.149.d	300	600	Plastic	3

**Lead-free labels**

**Lead-free label "lead free", type 1**



Green, imprint in black  
dual web, permanently self-adhesive

**dpvlink 7314** 

Article	Ø	Count	Type	Material
2820.2041.20.T1	20 mm	3000 piece	roll	paper
2820.2041.30.T1	30 mm	3000 piece	roll	paper

**Lead-free label "RoHS" type 2**



green, imprint in black  
dual web, permanently adhesive

**dpvlink 7318** 

Article	Ø	Count	Type	Material
2820.2042.10.T2	10 mm	5000 piece	roll	vinyl

**Lead-free label "Pb", type 3**



white, imprint in red and black  
dual web, permanently adhesive

**dpvlink 7321** 

Article	Ø	Count	Type	Material
2820.2043.10.T3	10 mm	5000 piece	roll	paper

**Marking arrows**

**Marking arrows**



Marking arrows for labeling imperfections and defective parts.  
Vinyl fabric with high adhesion - removable without any adhesive residues.  
Colors: red, yellow  
Dimensions: length 6.4mm, width: 3.2mm

**dpvlink 15763** 

Article	W [mm]	L [mm]	Count	Type	Color
2820.2052.rot	3.2	6.4	564 piece	sheet	red
2820.2052.gelb	3.2	6.4	564 piece	sheet	yellow

**Marking arrows**



Marking arrows for labeling imperfections and defective parts  
Color: red, yellow  
Dimensions: length: 5 mm, width: 2 mm.

**dpvlink 1919** 

Article	W [mm]	L [mm]	Count	Type	Color
2820.2050	2	5	720 piece	sheet	red
2820.2050.gelb	2	5	720 piece	sheet	yellow

**Marking arrows**



Marking arrows for labeling imperfections and defective parts  
Colors: red, yellow  
Dimensions: length: 7.6 mm, width: 6.3 mm.

**dpvlink 7324** 

Article	W [mm]	L [mm]	Count	Type	Color
2820.2051.rot	6.3	7.6	180 piece	sheet	red
2820.2051.gelb	6.3	7.6	180 piece	sheet	yellow

**Adhesive tapes**

**ESD Adhesive Tapes**

**PP Grid Adhesive tape** 



Grid adhesive tape (PP), dissipative surface, conductive grid, with ESD symbol.

**dpvlink 1421** 

Article	W [mm]	Core diameter	Roll length [m]
2820.3462.12	48	76 mm	36
2820.3462.18	18	76 mm	36
2820.3462.24	24	76 mm	36
2820.3462.48	48	76 mm	36

**Adhesive tape type WESCORP™, transparent** 



Quality ESD adhesive tape WESCORP™ antistatic, no printing, clear/transparent plastic core with different diameters

**dpvlink 15730** 

Article	W [mm]	Core diameter	Roll length [m]
2820.242290	12	25 mm	33
2820.242291	18	25 mm	33
2820.242292	24	25 mm	33
2820.242293	12	76 mm	66
2820.242294	18	76 mm	66
2820.242295	24	76 mm	66
2820.242296	48	76 mm	66

**Adhesive tape antistatic, transparent** 



Adhesive tape, dissipative cellophane, transparent, unprinted. Suitable for sealing film bag etc.

**dpvlink 20012** 

Article	W [mm]	Core diameter	Roll length [m]
2825.5512.K	12	76 mm	66
2825.5519.K	19	76 mm	66
2825.5525.K	25	76 mm	66
2825.5548.K	50	76 mm	66

**Adhesive tape, dissipative** 



Adhesive tape, transparent with imprint

- dissipative cellophane
- Color: red, yellow or black
- Minimized charging behavior
- ESD symbol
- Lettering "Antistatic Tape"
- For the labeling of bulky goods
- Core diameter 76 mm

**dpvlink 1426** 

Article	W [mm]	Roll length [m]	Color
2820.1266.Y	12	66	yellow / transparent
2820.1266.ZB	12	66	black / transparent
2820.1966	19	66	red / transparent
2820.1966.Y	19	66	yellow / transparent
2820.1966.ZB	19	66	black / transparent
2820.2566.Y	25	66	yellow / transparent
2820.2566.ZB	25	66	black / transparent
2820.4866.ZB	48	66	black / transparent

### Paper adhesive tape



Environmentally friendly packaging tape, biodegradable, can be used with customary hand dispenser and automatic tape dispenser. Material: kraft paper

dpvlink 1410

Article	W [mm]	Core diameter	Roll length [m]
2800.T.5066.de	50	76 mm	66
2800.T.3866.de	38	76 mm	66



### PVC adhesive tape



PVC adhesive tape

- permanently dissipative
- minimized charging behavior
- Color: yellow with ESD symbol

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 16563

Article	W [mm]	Core diameter	Roll length [m]
2820.12733.Y	12.70	76 mm	33
2820.25433.Y	25.40	76 mm	33



### Dissipative PVC adhesive tape, green



Dissipative PVC adhesive tape, minimized charging behavior  
Imprint: ESD logo

dpvlink 1415

Article	W [mm]	Core diameter	Roll length [m]
2820.5066.IDP	50	76 mm	66



### Floor marking tape (roll)



for access marking, printed with permanent labeling, abrasion-resistant  
Core diameter: 76 mm, width: 50 mm

Dissipative, self-adhesive tape

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 3053

Article	W [mm]	Thickness [mm]	Roll length [m]	Material
2822.1.5025	50	0.3	25	PVC
2822.3.5033	50	0.14	33	PVC
2822.2.5066	50	0.07	66	polypropylene



### Floor marking label



Floor marking label for access marking

PVC film self-adhesive, slip-resistant coating  
PU = 10 pieces

dpvlink 16566

Article	L [mm]	W [mm]	Thickness [mm]	Material
2822.1.EPA	150	75	0.3	PVC



### Floor marking ESD measuring point



Floor marking ESD measuring point for marking measuring points on the floor

PVC film self-adhesive, slip-resistant coating  
PU = 10 pieces

dpvlink 16589

Article	External Ø	Internal Ø	Thickness [mm]	PU
2822.1.MP.DE	130 mm	70 mm	0.3	10 piece



### Tape Dispensers

#### ESD Tape dispenser



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 16875

Article	Type
5825.1047	<b>ESD tape dispenser</b> for tapes with max. 25 mm width suitable for core diameter Ø 25 mm and 76 mm
5825.1047-25	<b>ESD tape dispenser</b> for tapes with max. 25 mm width suitable for core diameter Ø 25 mm



#### Adhesive tape dispenser, metal



- for adhesive tape rolls of up to maximum 50 mm in width and with a max. outside diameter of 130 mm
- Dispenser roll: width: 50 mm, diameter: 76 mm
- Dimensions (LxWxH): 220 x 70 x 100 mm
- weight: 1.4 kg

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 8315

Article	Type
5825.1300	Adhesive tape dispenser, metal



#### Tape dispenser ESD, stainless steel



- Roll width: max. 50 mm or 2 rolls each of max. 25 mm (divided dispenser roll)
- Core diameter: 76 mm
- Dimensions (LxWxH): 203 x 94 x 108 mm

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 13955

Article	Type
5825.1450	Tape dispenser ESD, stainless steel



### Adhesive tape dispenser ESD



Adhesive tape dispenser ESD  
For tapes with 50mm width and a core diameter of 76 mm.

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink** 19694

Article	Type
5825.1157	Adhesive tape dispenser ESD



### Universal tape dispenser type A619



Universal tape dispenser type A619 with electrical drive and rotary table, for adhesive tapes from 3 to 25 mm range. Cuts length from 10 to 61 mm. Suitable for each roll length until max. 150 mm Ø.

Weight 2.1 kg, power supply 100-240 V.

**dpvlink** 18027

Article	Type
7300.311	<b>Universal tape dispenser type A619</b> Dimensions 120 x 150 x 250 mm (WxHxD) Cutting length 10 - 61 mm



### Label dispenser A521



- robust full-metal case
- for labels of 20 - 180 mm in width
- photoelectric scanning
- holder for rolls up to 250 mm diameter
- Dispensing speed steplessly adjustable
- Labels feed steplessly adjustable
- Power supply 100/240 V, 50/60 Hz

**dpvlink** 8430

Article	Type
7310.500	<b>Label Dispenser A521</b> label 20-60 mm
7310.500.180	<b>Label Dispenser A521-180</b> for labels 20 - 180 mm



### Universal tape dispenser A900

**Universal:** for use with adhesive tape, aluminium foil, copper foil, cover sheeting, tubes and other materials; simultaneous processing of two rolls; tape width from 6 - 60 mm, tape length from 5 - 999 mm; with counter for required quantities and number of cut parts.



**Flexible:** programming of 6 different length, in addition the unit numbers of the dispensed length can be programmed; with one after another automatic mode. With antistatic housing; available with 3 different -and easily exchangeable- rollers (standard, rubber or special rollers - with special coating for strongly adhesive tapes)



**Practically:** the complete tape transport unit can be replaced **without tools** and in 5 steps. Finger protection with disabling contact; tape dispenser can be placed tilted. Power requirements 2AC 100V, 120V, 220-240V, 41W. Weight 2,3 kg.

**dpvlink** 18014

Article	Type
7300.210	<b>Universal tape dispenser A900.6</b> Dimensions 116 x 140 x 213 (HxWxL) With rubber roller, cutting length 5 - 999 mm
7300.210.KTW	<b>Universal tape dispenser A900.6-KTW</b> Dimensions 116 x 140 x 213 (HxWxL) With plastic roller, cutting length 5 - 999 mm
7300.210.Spezial	<b>Universal tape dispenser A900.6-Special</b> Dimensions 116 x 140 x 213 (HxWxL) With special coated transport roller, cutting length 5 - 999 mm



**Universal tape dispenser A690/A695**

Automatic adhesive tape dispenser with photocell, automatic cutting of the tapes to a length of 20 respectively 30 mm up to max. 999 mm, adhesive tape width up to max. 50 mm, power supply 230 V, weight 2.7 kg



**dpvlink 3689**

Article	Type	
7300.190.CE	<b>Universal Tape Dispenser A690</b> Device dimensions: 210 x 150 x 135 mm (WxHxD) Cutting length: 20 - 999 mm	
7300.195.CE	<b>Universal Tape Dispenser A695</b> Device Dimensions: 235 x 150 x 135 mm (WxHxD) Cutting length: 30 - 999 mm	

**EPA barrier system for ESD protected zones**



A quick and effective barrier of EPA areas by a barrier system. Very easily arranged in just a few steps according to one's needs.

**Two variants:**

Belt barrier posts

Step one: select belt barrier posts

Step two: select wallmount belt cartridge



Wallmount belt cartridge

Step one: select wallmount belt cartridge(all of our wallmount belt cartridges are delivered with a wall clip)



**Belt barrier posts**



- powder-coated steel post
- Color: black or yellow
- Cast iron base plate
- Post height: 960mm
- Base plate diameter: 350mm
- Weight: 12.5kg

**dpvlink 10237**

Article	Type	
1801.G.PY	Belt barrier post, yellow	
1801.G.PB	Belt barrier post, black	

### EPA stop banner incl. 2 cartridges



High-quality dissipative banner for a closed shutoff of EPA areas

- dissipative vinyl on both sides
- flexible in use
- robust and washable
- exterior with EPA logo
- different arrangements possible
- dimensions of the banner: 1220 x 840 mm (L x H)
- metal connector length: 1340 mm
- simple mounting with 2 posts (separately available)

#### Scope of delivery

- EPA barrier banner
- 2 cartridges
- metal connector

**dpvlink 23898**

Article	Type
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1801.B.V	<b>EPA barrier banner incl. 2 cartridges</b>
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### Retractable belt cartridge



- Belt cartridge 2.3 m or 3.6 m length
- Exchangeable belt cartridge with centrifugal brake system
- yellow polyester belt, 50 mm wide
- double-sided black imprint "ESD PROTECTED AREA- ESD GESCHÜTZTER BEREICH"

**dpvlink 10240**

Article	Type
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1801.G.K.0	<b>Belt cartridge, empty</b>
1801.G.K.23.DE	<b>Belt cartridge 2.3 m German/English</b>
1801.G.K.23.E	<b>Belt cartridge 2.3 m English</b>
1801.G.K.36.DE	<b>Belt cartridge 3.6m German/English</b>
1801.G.K.36.E	<b>Belt cartridge 3.6 m English</b>



### Sign holder DIN A4



- Sign holder DIN A4
- for belt posts 1801.G.PY and 1801.G.PB
- black metal frame with mounting flange
- without sign (example only)

**dpvlink 10244**

Article	Type
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1801.G.PSA4	<b>Sign holder DIN A4</b> suitable for belt barrier posts 1801.G.PY and 1801.G.PB
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### Wallmount system with retractable belt cartridge



- wallmount system with belt cartridge
- black steel housing
- powder coated
- 2.3 m oder 3,6 m length
- yellow polyester belt, 50 mm wide
- includes a wall clip
- with double-sided black imprint "ESD PROTECTED AREA - ESD GESCHÜTZTER BEREICH"

**dpvlink 10246**

Article	Type
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1801.G.W23.DE	<b>Wallmount system with belt cartridge; 2.3 m German/English</b>
1801.G.W23.E	<b>Wallmount system with retractable belt cartridge 2.3 m English</b>
1801.G.W36.DE	<b>Wallmount system with retractable belt cartridge 3.6 m German/English</b>
1801.G.W36.E	<b>Wallmount system with retractable belt cartridge 3.6 m English</b>
1801.G.WC	<b>Wall clip</b>



### Belt barrier post 4-way cartridges



- Color: red or yellow
- Post height: 975 mm
- incl. 4-way cartridge with automatic rewinder
- Belt length 3.6 m

**dpvlink 26355**

Article	Type
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1802.9584.rot	<b>Belt barrier post red 4-way cartridges</b> for indoor use, belt 3.6 m, red and yellow hatched, base made of cast iron Ø 345 mm; total weight: 10 kg
1802.9586.gelb	<b>Belt barrier post yellow 4-way cartridges</b> for indoor use, belt 3.6 m, red and yellow hatched, base made of cast iron Ø 345 mm; total weight: 10 kg



### Wallmount belt cartridge



Wallmount belt cartridge:

- belt length: 2.3, 3.6 or 4.6 m
- incl. wall clip

**dpvlink 26361**

Article	Type
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1802.9605	<b>Wallmount belt cartridge</b> for indoor use; belt 2.3 m, red and white hatched incl. wall clip
1802.9615	<b>Wallmount belt cartridge</b> for indoor use; belt 2.3 m, black and yellow hatched incl. wall clip
1802.9606	<b>Wallmount belt cartridge</b> for indoor use; belt 3.6 m, red and white hatched incl. wall clip
1802.9616	<b>Wallmount belt cartridge</b> for indoor use; belt 2.6 m, black and yellow hatched incl. wall clip
1802.9607	<b>Wallmount belt cartridge</b> for indoor use; belt 4.6 m, red and white hatched incl. wall clip
1802.9617	<b>Wallmount belt cartridge</b> for indoor use; belt 4.6 m, black and yellow hatched incl. wall clip
1802.9618	<b>Wall clip black</b>



Personnel test stations

EPApro® Personnel Tester 1000



The innovative EPApro® end-to-end solution for your ESD protected working areas combines a user-friendly precision hardware with a forward-looking software solution designed for the measurement

of your ESD safety equipment as well as the comfortable and standard-compliant documentation and central management of the collected data. Multifunctional EPApro® interfaces and switch outputs allow for a simple integration in the existing infrastructure of your company.



The advantages of the EPApro® personnel grounding control system:

- Quick measurement, extensive measuring options with short test time
  - User-friendly, simple handling
  - Standard-compliant testing in compliance with DIN EN 61340-5-1 and ANSI ESD S20.20
  - Intuitive user interface with clear display of the results
  - Suitable for the use in access control systems
  - Simple, menu-driven calibration on-site
  - Adjustable measuring voltage and configurable thresholds
  - Compliant with all usual standards
  - Data logging in compliance with GDPR
  - Suitable for cross-location networking via LAN or WLAN
  - Simple data handling and secure archiving on a central server
  - Vast report functions
- 
- Simple backup functions allow retrieving backup files with Single Click at any time
  - Automated data exchange with other programs
  - No client software required, server installation via VM (Virtual Machine)
  - Simple update function and maintenance via the EPApro® portal



**Further information** about the EPApro® Personnel Tester 1000 and the EPApro® Control Server software is available in the detailed leaflet and online on our web site.

EPApro® Personnel Tester 1000



The EPApro® 1000 is a compact measuring device to verify the personnel grounding and fulfills the requirements of DIN EN ISO 61340-5-1, ANSI ESD S20.20 and GDPR (general data protection regulation). Programmable switch outputs allow using it as access control. A privacy mode offers the possibility to log and display the measurement without names. The measurements are logged and stored in the EPApro® 1000 device conforming to standards and the GDPR. It is possible to retrieve measured data via network or maintain them locally on the device by means of the stand-alone function.



EPApro® 1000 at a glance

- Simultaneous measurement of shoes and wriststraps with short test time < 2 seconds
- Comfortable guest function e.g. for changing visitors
- Measurement of single shoe or in series as well as hands-free mode
- Adjustable measuring voltage with individual voltage reduction for sensitive persons
- Configurable thresholds
- Suitable for personnel access control systems
- Person identification with integrated Multi RFID reader
- Compliant with all usual standards, existent ID cards can still be used
- Documentation of the measured values
- Access release / barrier controllable via configurable switch outputs
- Intuitive user interface with clear display of the results
- Privacy mode: display mode without showing personal data
- Password-protected access for administrators and managers
- Standard-compliant testing in compliance with DIN EN 61340-5-1 and ANSI ESD S20.20
- Data logging in compliance with GDPR
- Menu-driven calibration mode for simple calibration on site (returning the device for calibration is not necessary)
- Connectable via LAN or optionally WLAN adapter
- Languages German and English (GB)
- **Made in Germany**

Recommendation: Interconnection with EPApro® Control Server



The EPApro® 1000 device can be connected as a single device (Stand Alone) or via the company network with the optionally available EPApro® Control Server software, even across locations. The EPApro® Control Server offers the advantage of being able to manage the EPApro® 1000 devices centrally and to store all data in a central database.

Additional features when using the EPApro® Control Server:

- Central remote configuration of the der EPApro® 1000 devices across locations
- Simple import of the employee master data
- Import functions for employee data incl. access authorizations
- Large export functions e.g. for reports
- Safe and central archiving of all measured data
- Simple update function
- and many more ...

You will find all information in the text about the EPApro Control Server [dpvlink 21904](#)

Scope of delivery:

- EPApro® Personnel Tester 1000
- Footwear electrode
- Power supply unit
- Operating manual
- Factory's calibration certificate





1. 7" HD color touch screen display for an intuitive operation on the console
2. Integrated Multi-RFID reader compliant to all usual standards
3. Connections
  - 1 x snap connection 10 mm
  - 2 x banana jack (other connections possible with adapter)
4. Contact plate
5. Outputs, connections and captures
  - 2 x USB ports for external HID readers for e.g. keypad, magnetic card reader, barcode scanner or WLAN via USB antenna
  - Network, LAN and Ethernet connection for connecting customer system, database server, computer, WLAN via USB antenna
  - Configurable potential-free switch outputs for signal lights, turnstiles / door release
  - Integrated T/RH sensor for temperature and humidity measurement
  - Input for calibration
  - Connection for footwear electrode

**Technical data:**

<b>Voltage / power</b>	6 W (9 V/DC) (power supply unit 100-230V/AC)
<b>Operating conditions</b>	+ 10 to 40° C / up to 75% relative humidity
<b>Test time</b>	< 2 seconds
<b>Device: dimensions / weight</b>	265 x 180 x 100 mm / 1 kg
<b>Footwear electrode: dimensions / weight</b>	500 x 350 x 8 mm / 2.6 kg

Test voltage	Selectable: 100V / 50V / 30V/DC (tolerance ±5%)	
<b>Test of</b>	<b>Measuring range Upper thresholds</b>	<b>Measuring range Lower thresholds</b>
Wriststrap	1 MΩ - 200 MΩ	none / 100 KΩ / 750 KΩ
Footwear worn against metal plate (value per shoe)	1 MΩ - 200 MΩ	none / 100 KΩ / 750 KΩ
Footwear measurement "in series" (hands-free)	1 MΩ - 200 MΩ	none / 100 KΩ / 750 KΩ

**dpvlink 21010**



- | Article            | Type  |
|--------------------|---|
| EPApro.1000        | <b>EPApro® Personnel Tester 1000 table-top device</b><br>For installation on tables or pedestals <ul style="list-style-type: none"> <li>• color touch screen display</li> <li>• integrated Multi-RFID reader standard type</li> <li>• footwear electrode</li> </ul> |
| EPApro.1000.2W     | <b>EPApro® Personnel Tester 1000 wall-mounted device</b><br>For mounting on walls <ul style="list-style-type: none"> <li>• color touch screen display</li> <li>• integrated Multi-RFID reader standard type</li> <li>• footwear electrode</li> </ul>                |
| EPApro.1000.2W.HID | <b>EPApro® Personnel Tester 1000 wall-mounted device HID</b><br>For mounting on walls <ul style="list-style-type: none"> <li>• color touch screen display</li> <li>• integrated Multi-RFID reader type HID Prox</li> <li>• footwear electrode</li> </ul>            |

**EPApro® Personnel Tester 1000 accessories**



**dpvlink 21905**



- | Article             | Type  |
|---------------------|---|
| EPApro.1001.ID.HF   | <b>ID card High Frequency</b><br>PU = 5 pieces, printable   |
| EPApro.1001.ID.LF   | <b>ID card Low Frequency</b><br>PU = 5 pieces, printable  |
| EPApro.1001.TS      | <b>Divider for footwear electrode EPApro®</b><br>for screwing   |
| EPApro.1001.CU      | <b>EPApro® calibration unit 1000</b><br>including calibration certificate   |
| EPApro.1001.WL1     | <b>EPApro® WLAN Adapter</b><br>connection via USB<br>150 Mbit/s   |
| EPApro.1001.ZPM     | <b>Test mat for EPApro®</b><br>Footwear electrode separately available  |
| EPApro.1001.ZSF.SET | <b>Pedestal set for EPApro®</b><br>consisting of:<br>pedestal holder for EPApro® floor mat<br><br>EPApro® ESD Personnel Tester separately available |

further accessory on request

**EPApro® Control Server**



The EPApro® Control Server software enables to manage the measuring data, devices and employees with the EPApro® ESD Personnel testers 1000 connected via the company network.

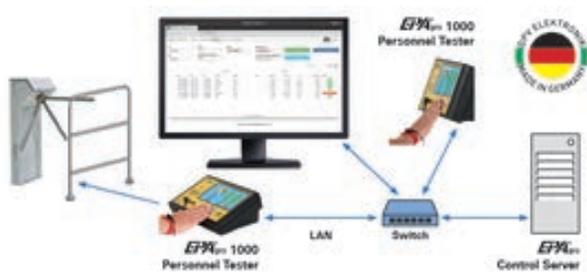
The data are stored and saved in compliance with GDPR. A privacy mode allows the recording and display of the measurements without names. Import/export and report functions are integrated.



**EPApro® Control Server at a glance**

- Networking of several EPApro® devices within your company network – also across locations
- Central, password-protected and role-based administration
- Central administration of employees and access authorizations on the server
- Simple import of the employee master data into the system e.g. Excel, CSV
- Employee administration with group function e.g. teams and departments, EPA, laboratory, etc.
- Guest function: simple creation of visitors to document the measured values
- Synchronization and storage of the data on the VM on your server
- Safe and central archiving of your measured data offering the possibility to set a date for an automatic deletion of the measurement protocols
- Backup functions allow retrieving backup files with Single Click at any time and storing them in a directory you specified
- REST API data interface (key-protected) enabling an automatic data exchange with other programs
- Report functions, i.a. for audits as PDF file
- Automatic report function by e-mail for evaluations and reports
- Installation via a Virtual Machine (VM) on your server
- Client access via browser, installation of a client software is not required
- Simple update function and maintenance of the software via the EPApro® portal

The EPApro® Control Server helps to manage the data collected by the EPApro® 1000 devices in a clear and safe way in compliance with data security. The EPApro® Control Server facilitates a central management across locations of all networked EPApro® 1000 devices. It is possible to import employee data comfortably (e.g. as CSV or Excel file) and assemble and export reports including measured data as needed.



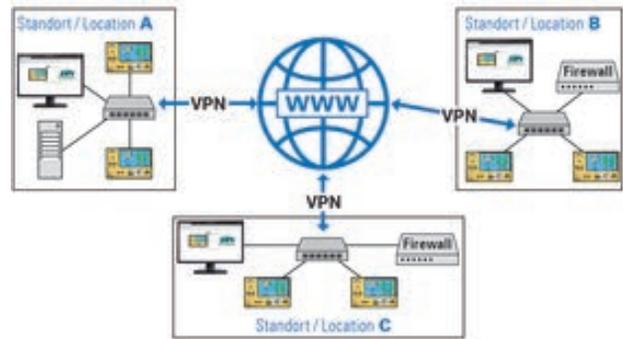
**Authorization of the employees for individual devices**

The authorization of the employees for the access to an EPApro® 1000 device can be restricted in the employee profile. If the EPApro® 1000 are connected to access systems, the access to individual manufacturing areas can be controlled. For an easier management and surveillance, it is possible to assign employees to a group. Groups can be structured hierarchically facilitating the mapping of employee and department structures.

Users of the EPApro® Control Server obtain the access authorization to these groups.

**Network**

The EPApro® 1000 devices are connected to the EPApro® Control Server via LAN. Every EPApro® 1000 device has its own IP address. The connection across locations is also possible via your company VPN.



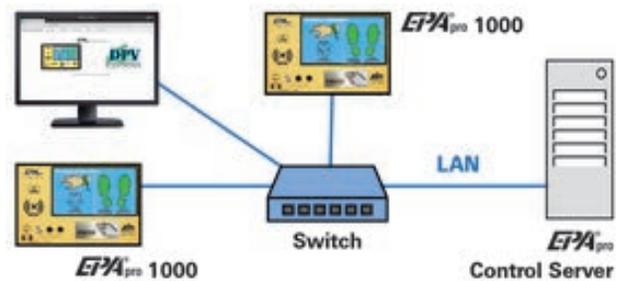
**Data exchange**

A REST (Representational State Transfer) API enable the secure exchange of data with other programs.



**Behavior in case of failure of network or server**

If the EPApro® Control Server or the network fail, there will be no restrictions for the operation of the EPApro® 1000 devices. Measurement data sets are stored in the EPApro® 1000 device and automatically transferred as soon as the EPApro® Control Server is available again. Maintenance work in the network of the server has thus no impact on the availability and functionality of the EPApro® 1000 device in the network. Even in case of a network failure, the smooth operation of the EPApro® 1000 devices is assured.



**Installation of the server software**

The EPApro® Control Server software is installed as a VM (Virtual Machine) on a hardware server. We provide you the VM image suitable for your virtualization system.

**Licensing**

A license is once necessary for the EPApro® Control Server. To connect the EPApro® Personnel Tester 1000, a separate EPApro® license key is required for each device.

dpvlink 21904

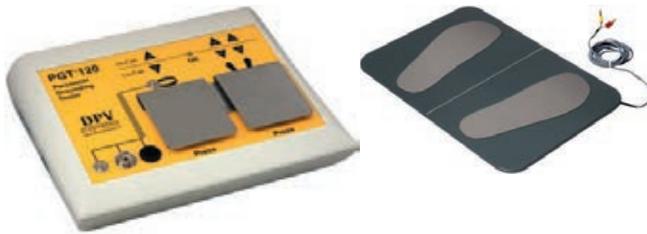


Article	Type
EPApro.1000.LI-1	<b>EPApro® Control Server license</b> 1 license to manage the EPApro® Control Server
EPApro.1000.LI-2	<b>EPApro® Personnel Tester device license</b> 1 license for device management

**Personnel test station PGT120**

**PGT 120 Personnel grounding tester**

The personnel grounding tester PGT 120 is a wrist strap and footwear tester used for the access control of ESD protected areas.



- The test result is indicated with visual and acoustic signals. An additional floating relay contact provides the possibility to activate e.g. a door opener or a turnstile for access control.
- Power is supplied via an integrated battery or a power supply unit.
- The separate measuring circuits allow the simultaneous testing of wrist strap, left and right shoe.
- Separate measurement of the contact resistance of the left and right shoe
- In combination with an access control system (e.g. turnstiles), the footwear measurement can be performed in the so-called "hands-free mode" without pressing a button
- Test voltage 30 V, 50 V or 100 volt (default setting)
- The lower limit values can be deactivated.
- Can be used as desktop and wall-mounted device (wall mounting requires an additional wall mounting plate)
- Limit values adjustable via DIP switches



dpvlink 10131		
Article	Type	
7100.PGT120	Personnel grounding tester PGT 120	

**Calibration unit for PGT 120**



Calibration unit contains resistances with limit values for the on-site verification of the PGT 120 personnel grounding tester ⚠

dpvlink 10133		
Article	Type	
7100.PGT120.CU	Calibration unit for PGT 120 with 8 Dip switches	
7100.PGT120.CU.12	Calibration unit for PGT 120 with 12 dip switches	

**PGT®120.COM with RS232 interface**



The personnel test station PGT®120.COM tests personnel bleeder resistances for the access control to your ESD-protected area. PGT®120.COM has an additional RS232 interface for the connection to a PC or a terminal. The data is transmitted in ASCII format. A PC with terminal program is sufficient to display the measured data.

- **no battery operation**, alimentation via power supply unit
- door opening time adjustable (1 second or 3 seconds)
- processing of the measured data and test results in ASCII format for example to a time recording terminal

**Data**

- Measured value series measurement in kOhm
- Measured value HGB in kOhm
- Measured value left shoe in kOhm
- Measured value left shoe in kOhm
- Test ok
- Test incorrect with error number

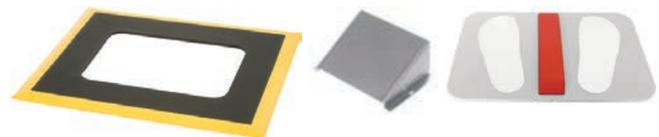
**Scope of delivery**

- PGT®120.COM
- footwear electrodes
- factory calibration certificate
- user manual
- power supply unit 230 V AC



dpvlink 20201		
Article	Type	
7100.PGT120.COM	PGT®120.COM with RS232 interface	

**Accessories for PGT 120**



dpvlink 22383		
Article	Type	
7100.PGT120.SM	<b>Mat</b> with yellow edge dimensions.: 830 x 680 x 13mm	
7100.PGT120.WK	<b>Wall bracket for PGT 100 / PGT 120</b>	
7100.PGT120.TS	<b>Divider for footwear electrode</b> (footwear electrode not included in the scope of delivery)	

### Pedestal stand for PGT 120 with holder



- Steel tube
- Tube height 960 mm
- Base diameter 350 mm
- Weight 10 kg
- Color of the tube yellow
- Black cast iron base plate
- Holder for PGT 120 device attachable
- Wall bracket (standard)
- 7100.PGT120.WK adjustable on holder

dpvlink 19689

Article	Type
1801.G.P.TERM	<b>Pedestal stand</b>
7100.PGT120.SM.TERM	<b>Floor mat with yellow bevelled edge</b> delivery without footwear electrode
7100.PGT120.WK.H	<b>Holder for PGT 120, attachable</b>
7100.PGT120.TERM.SET	<b>Accessory kit for PGT 120</b> consisting of: pedestal stand, wall bracket, bracket for PGT 120 attachable, floor mat with yellow edge



### PGT 120.COM Data Terminal DT2

The "Data Terminal DT2" records the measurement data of the personnel grounding tester PGT120.COM.



Properties:

- storage of the measuring results in the Data Terminal for max. 30 days
- Note: user identification with ID card via card reader

Optional possibilities via PC when connected to a network:

- list view of the measured data with color highlighting in case of mismeasurements
- printing of the measured data as list
- simple configuration of the terminal via web surface
- language setting German/English

Scope of delivery:

- Data Terminal with supply unit
- user manual (German/English)

dpvlink 15563

Article	Type
7100.PGT120.COM.DT	<b>Data Terminal Controller</b>



### PGT 120-COM Data Terminal DT3

The "Data Terminal DT3" records the measurement data of the personnel grounding tester PGT120.COM. In addition, this version is equipped with a RFID reader, a display and a switch contact.



Characteristics:

- can be integrated into existing infrastructure
- multiple PGT®120.COM stations can be networked
- existing identity cards or time attendance cards can be reused
- customer systems can be connected via open database interface
- measurement data is ready to process after a few seconds
- various databases can be used
- combination with existing access systems is possible
- secure and encoded network communication



Interfaces:

- 4 x USB
- 1 x D-SUB9 for PGT120.COM
- 1 x RJ45 - LAN
- 1 x RJ12 - Relay
- 1 x Micro USB - RFID Reader
- 1 x Micro USB - POWER 5VDC

Scope of delivery:

- 1 x DATA Terminal DT3
- 1 x supply unit 100-240 VAC/5 VDC with exchange adapter (EU/USA)
- 1 x USB to Micro-USB cable  
(for activating the internal RFID card readers)
- 1 x user guide (German/English)

dpvlink 22373

Article	Type
7100.PGT120.COM.DT3	<b>Data Terminal Controller DT3</b>



### Touch Screen Monitor TC18 with integrated DATA Terminal

Characteristics:

- Touch screen 10 Zoll capacitive
- with integrated mini PC (DATA Terminal)
- LAN connector RJ45
- 4 x USB2.0
- 1 x COM RS232  
(data port for PGT120.COM)
- AC 100-240 V 50-60Hz / DC 12V/5A
- casing: aluminum, silver
- dimensions: 288 x 231 x 58 mm
- fastening:  
front panel installation as well as attachment for VESA 75x75mm / 100x100mm



Scope of delivery:

- 1 x Touch PC
- 1 x EU low-heat device connection
- 1 x supply unit
- 4 x mounting bracket
- 1 x short guide

dpvlink 22379

Article	Type
7100.PGT120.COM.TC18	<b>Touch Screen Monitor TC18 incl. DATA Terminal</b>



### Accessories for PGT 120-COM Data Terminal DT2/DT3

dpvlink 21688	Article Type	
	7100.PGT120.TEST.10 <b>Temperature and humidity sensor</b>	
	7100.PGT120.WK.H.DT <b>Holder extension for Data Terminal 3</b> (delivery without device)	
	7100.PGT120.TEST.12 <b>Relay module USB mini</b> for example for activating a turnstile	
	7100.PGT120.TEST.13 <b>Signal light with acoustic signal</b> (red/yellow/green)	
	7100.PGT120.TEST.16 <b>4-Port USB Hub</b>	
	7100.PGT120.COMDT3.W <b>Wall bracket for Data Terminal Controller DT3</b>	

### Card reader and ID card

dpvlink 21700	Article Type	
	7100.PGT.XK.V3 <b>External card reader (USB)</b>	
	7100.PGT.XK.ID.V3 <b>Transponder ID card</b> PU = 10 pieces	

### Label printer for PGT 120-COM Data Terminal

For the connection to the PGT 120-COM Data Terminal

- for printing self-adhesive labels, e.g. with test result, date and measuring method with IO measurement on Data Terminal
- when using the user identification with card reader the name is also printed



Scope of delivery:

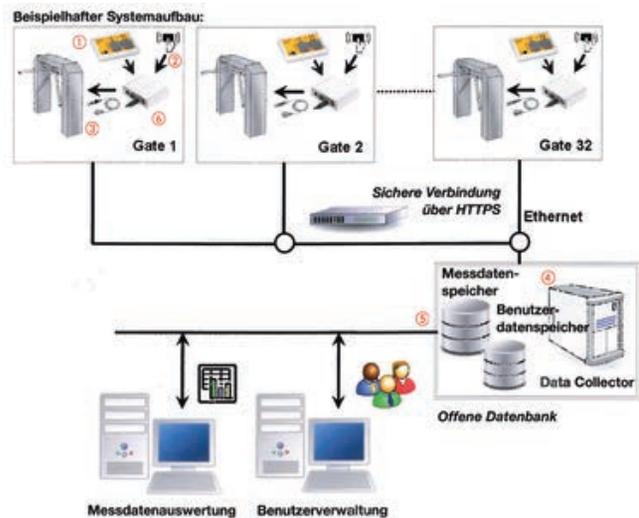
- label printer with supply unit
- 2 reels with 310 labels each (36 x 67 mm)
- user manual (German/English)

dpvlink 21703	Article Type	
7100.PGT120.COM.D.2	<b>Printer for Data Terminal</b>	
7100.PGT120.COM.D.3	<b>Labels 36 x 67 mm</b> (2 reels with 310 labels each)	

### PGT 120.COM SOFT

Central data maintenance for Data Terminal.

- Can be integrated into existing infrastructure
- up to PGT120.COM stations can be networked
- Customer systems can be connected via open database interface
- Measurement data is ready to process after a few seconds
- Different databases can be used
- Secure and coded network communication



1. Combined with PGT120.COM the data terminal records the measured values of the ESD testing
2. User identification is made with any USB HID input device (RFID/barcode/magnetic card/keyboard)
3. Optional USB relay triggers a turnstile
4. Central server synchronizes measurement data and user IDs of all stations
5. Customer systems communicate via open data base interface
6. Data Terminal Controller

dpvlink 19678	Article Type	
7100.PGT120.COM.SOFT	<b>Software for "Data Collection", CD-ROM</b>	

### PGTest Station for PGT® 120.COM

Dimensions: 1700 x 590 x 730 mm (H x W x D), frame of powder-coated steel

Printer and PGT® 120 **not** included in scope of delivery



Magnetic document pocket of IDP-STAT-PVC in A3

Touchscreen monitor, temperature and humidity sensor

dpvlink 17663	Article Type	
7100.PGT120.TEST.V01	<b>PGTest Station for PGT® 120 / PGT® 120.COM</b> with A3 magnetic document holder made of IDP-STAT-PVC	
7100.PGT120.TEST.V18	<b>PGTest station for PGT® 120.COM</b> with touchscreen monitor, temperature and humidity sensor	

EPA Access control system



An access control system assures that only authorized persons are authorized to access to limited areas like an EPA protected zones or manufacturing areas.

For the ESD safety it is important that existing personal ESD protective equipment like shoes and / or wriststraps is functional.



In combination with the modern EPApro® personal grounding test system it is possible check and document the function of the personal ESD protective equipment when accessing an EPA protected zone.

The programmable potential-free switch outputs of the EPApro® ESD Personnel Tester 1000 allow activating a door opener or an access control system.



The special functions of the EPApro® ESD Personnel Tester 1000 enable to configure the access in such a way that e.g. a measurement of the personal ESD protective equipment takes place only once a day.



The integrated Multi-RFID reader for personal identification retrieves the stored access rights.

The EPApro® Control Server enables to connect the EPApro® ESD Personnel testers 1000 via the company network and to configure and manage them from a central point. The logged data are centrally stored on the server.

Further information about the EPApro® ESD Personnel Tester 1000 can be found under [dpvlink 21010](#)

Barrier system COMPACT

Very small and robust construction is suitable for high-frequency entrances. The motorized turnstile Compact has a weather-proof, powder-coated housing with integrated height-adjustable pedestal.



Properties:

- especially compact construction
- 2-arm or 3-arm version
- maintenance-free mechanism
- entrance side can be changed
- high transit flow-rate
- secure traffic separation
- noiseless operation
- height-adjustable
- durable quality
- delivered completely assembled
- suitable for outdoor use

Technical data:



- Operating voltage: 230 V / 50-60 Hz
- Power consumption: Max. 50 Wh
- Storage temperature: -40°C to +50°C
- Operating temperature: -20°C to +50°C
- Width/passage: 305 mm/577 mm
- Length: 350 mm
- Height: 1,000 - 1,365 mm
- Weight: 45 kg
- Material: steel, powder-coated  
CrNi steel V2A, material 1.4301
- Interfaces: potential-free contacts

Card readers can be attached to the housing by means of a reader bracket. **Optionally available with integrated personnel test station PGT 120.**

The durable quality guarantees a high transit flow-rate. With the one- or two-way operation the turnstile can be used as entrance as well as exit.

[dpvlink 20079](#)

Article	Type
6COM.2.AEB-H	<b>Turnstile Compact 2-arm</b> Galvanized and plastic-laminated steel
6COM.3.AEB-H	<b>Turnstile Compact 3-arm</b> Galvanized and plastic-laminated steel
6COM.3.AEW	<b>Turnstile Compact 3-arm including integrated PGT 120</b> galvanized and plastic-coated steel



### Barrier system MODUL CROSS

With the stainless steel housing the motorized turnstile as 2-arm or 3-arm version is very robust and also suitable for outdoor use.



**Properties:**

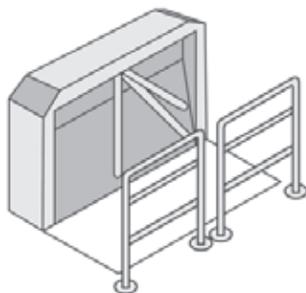
- compact construction
- 2-arm or 3-arm version
- maintenance-free mechanism
- entrance side can be changed
- high transit flow-rate
- secure traffic separation
- noiseless operation
- height-adjustable
- durable quality
- delivered completely assembled
- suitable for outdoor use
- easy to service due to tiltable lid



**Technical data:**

Operating voltage:	230 V / 50-60 Hz
Consumption:	50 Wh
Storage temperature:	-40°C to +50°C
Operating temperature:	-15°C to +40°C
Width/passage:	275 mm/550 mm
Length:	1,225 mm
Height:	1,025 mm
Weight:	70 kg
Material:	CrNi steel V2A, material 1.4301
Interfaces:	potential-free contacts, RS485, RS232

A high transit flow-rate and a maintenance-free mechanism allow for a long useful life. Card readers can be optionally integrated into the housing.



**Drawing:**  
example setup MODUL CROSS

**dpvlink 20086**

Article	Type
6MCR.2.AEC	<b>Turnstile MODUL CROSS 2-arm motorized</b>
6MCR.3.AEC	<b>Turnstile MODUL CROSS 3-arm motorized</b>



### Barrier system IKARUS HOLM 1000

The waist-high motorized swing gate Ikarus Holm is especially suitable for passages that have to be passed with baggage, wheelchairs or bulky goods. Due to its simple design Ikarus Holm fits well in every architecture.



**Properties:**

- waist-high motorized swing gate
- double entrance possible
- smooth running
- maintenance-free mechanism
- entrance side can be changed
- high transit flow-rate
- noiseless operation
- height-adjustable
- durable quality
- delivered completely assembled
- architecture-friendly transparency

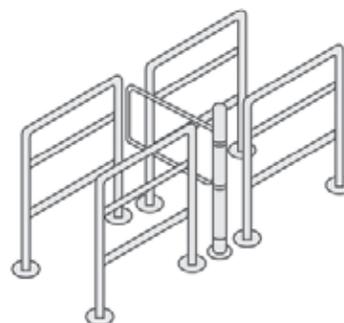


**Technical data:**

Power supply:	24 V
Consumption:	50 Wh
Storage temperature:	-40°C to +50°C
Operating temperature:	-10°C to +50°C
Width/passage:	900 mm/950 mm
Length:	1,954 mm
Height:	1,000 mm
Weight:	35 kg
Material:	CrNi steel V2A, material 1.4301
Interfaces:	potential-free contacts



Also suitable as paired double entrances or for one-/two-way operation. We will be pleased to help you with the implementation of your requirements.



**Drawing:**  
example setup IKARUS HOLM

**dpvlink 20082**

Article	Type
6IKH.1.AEC	<b>Single swing gate IKARUS HOLM</b>
6IKH.1.AEC.2	<b>Double swing gate IKARUS HOLM</b>



**Lane divider IKARUS HOLM**

Perfect complement to turnstiles Compact, Modul Cross and Ikarus Holm 1000



**Properties:**

- surface brushed
- subdivided by 2 horizontal bars
- 1000 mm width
- 153 mm diameter anchoring

dpmlink 20718



Article	Type
6ISP.2SIH10	<b>Lane divider IKARUS HOLM</b> Height: 1000mm, length: 900mm

Permanent monitoring

**Workstation monitor WS Aware**



**WS Aware workstation monitor allows the permanent monitoring of two workstations.** The measuring device equipped with a DSP (digital signal processor) monitors the flawless ground connection of users, tools and working surfaces. Furthermore, EMI events are registered and displayed. WS Aware monitors detect all grounding parameters of the working environment in accordance with the requirements of ANSI 6.1 and ANSI/ESDA S. 20. 20.

The **WS Aware** allows permanent monitoring and the logging of all detected events via a power data outlet either by a Facility Monitoring System (FMS) or a digital MODBUS interface, for the network via Ethernet network. WS Aware is designed to monitor the impedance of two low-ohmic grounding connections (e.g. for tools, soldering irons, machines) and two high-ohmic ones (e.g. table-mats) grounding connections.

In addition, EMI voltages occurring on the low-ohmic grounding connections are monitored and displayed by a yellow LED when exceeding the set thresholds.

The alarm threshold are adjustable. If there is an exceeding of the set thresholds, LEDs display this optionally (OK green, alarm red, EMI voltage yellow). Additionally, this can be shown by acoustic alarm; this function can be switched off. Not used inlets are deactivated via a DIP switch and displayed by dark LEDs.

Two double-conductor wrist straps (operator and visitor) are monitored with by remote terminals that are connected to **WS Aware** via cable and can be mounted e.g. on the table's base. Bleeder resistance and body voltage are permanently monitored. With terminals having a Big Brother function a photo sensor recognizes a person who is at the workstation and releases alarm, when there is no grounding through the remote terminal. Thus, working at the workstation without grounding is prevented.



**Properties:**

- "Big Brother" monitoring function detects users who are not correctly grounded
- Extremely low voltage (25mV CA) for permanent monitoring of voltage and resistance of the twin conductor wrist straps
- Monitoring of grounding parameters according to ANSI 6.1 and ANSI/ESD S20.20
- EMI monitoring of ground connections
- RJ45 port for data transfer to the computer

**Wrist monitor**

Ground connection:	1 MOhm per wrist strap connector
Wrist connections:	2 x Remote Terminals (1 Operator, 1 visitor)
Test voltage to the body	0.025 V (25 mV)
Body bleeder resistance alarm level:	10 MOhm default*
Body voltage alarm level:	+/-2.5 V default*.

**Ground monitor**

Hard ground terminal (tools, machine):	2 connections
Dissipative surfaces:	2 connections
Alarm for hard grounding*:	10 Ohm default

Alarm for dissipative grounding*:	1 GOhm default
Imposed voltage	
Hard connection:	< 0.075 V open circuit
Dissipative surfaces:	< 0.4 V open circuit
Power consumption:	< 150 mA
Dimensions:	81 mm x 57 mm x 33 mm
Weight (approx.):	120 g

\* These parameters are either locally settable in the control panel or through a plant monitoring system. Default values are used if there is no other specification.

<b>dpvlink 14088</b>		
Article	Type	
770061	<b>WS Aware Workstation monitor Standard Remotes</b> incl. 2 x Remote Terminal CTA242	
770068	<b>WS Aware Workstation monitor Big Brother</b> incl. 2 x Remote Terminal Big Brother CTA243	

**Workstation monitor tester CTE701A** 

The monitor tester CTE701A is used to verify the proper functioning of monitors used for the checking of twin conductor wrist straps, desktops and grounding connection. The tester shows certain resistance loads and signals to the monitor so that specific parameters are simulated by grounding connections and wrist straps. The display of the tested devices can so be compared to the values of the specifications.



**Properties:**

- EMI button and LED display for wrist strap monitor test
- Banana plugs for grounding tests and reference grounding
- Adjustable upper and lower limits for hard and soft grounding
- Variable threshold setting
- Adjustable measuring / signal voltage

<b>dpvlink 14085</b>		
Article	Type	
3M-CTE701A	Workstation monitor tester CTE701A	

**Workstation monitor Iron Man Plus** 

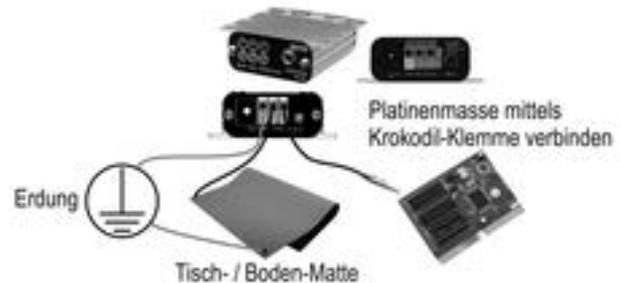


Overvoltages by electrostatic overload (EOS electrostatic overstress) or electrostatic discharge represent a great risk in the ESD protected environment. The monitors **Iron Man Plus** respond to the overvoltage that can be generated on printed circuit boards or ESD sensitive components when working with screwdrivers, tweezers, soldering irons and other metal tools or by ungrounded employees.

**Application**

The **Iron Man Plus** monitor can be used at work for the manual installation and tests. It monitors continuously the tension between ground and printed circuit board (PCB) while it is in contact with a base plate, a table or floor mat, a grounded part of the PCB or products.

If a soldering iron, a pair of tweezers or another tool touches the working surface and causes an overvoltage on the board, Iron Man will detect this and give alert in case the voltage on the input exceeds the default internal value.



The instrument indicates malfunctions with visual and acoustic signals. The alarm threshold for overvoltage monitoring is configurable. An internal switch can be used to choose between two ranges. High sensitivity  $V \geq 5V$ , low sensitivity  $V \geq \pm 15V$ . Furthermore the acoustic alarm signal can enabled or disabled.

**Properties:**

- Overvoltage control in electronics assemblies
- Fault alarm in case of overvoltage
- Wrist strap monitoring of the user
- Monitoring of the voltage at the personnel grounding
- Grounding control of the working surface
- Optical and acoustic alarm
- Power supply via AC adapter

<b>dpvlink 14092</b>		
Article	Type	
3M-CTC331	<b>Workstation monitor Iron Man Plus CTC331</b> Monitors wrist straps and table / floor mats	
2250.762.9	<b>Connecting cable Iron Man Plus / Table mat DK 10mm</b>	
2250.763.9	<b>Connecting cable Iron Man Plus / Grounding</b>	

Workstation monitor Ground Man Plus SCS



The **Ground Man Plus** monitors can be used to control the grounding impedance of workstations, tools and machines. The grounding impedance of up to 3 connectors against hard grounding can be monitored.

The **Ground Man Plus** monitor can also check the wrist strap grounding of a person with a twin connector wrist strap/grounding cable.

**Control of the ground impedance**

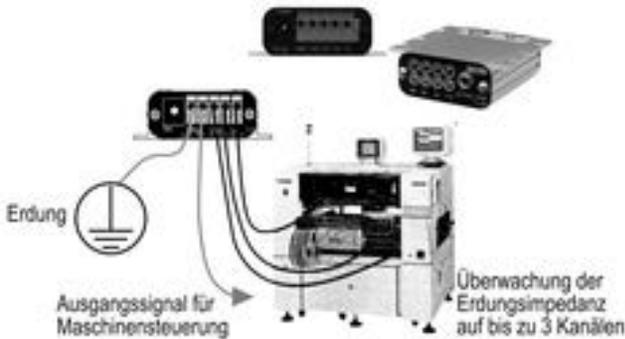
The ground impedance is continuously controlled on three separate channels connected with three instruments. The alarm threshold can be set between 1-20 ohm. It is the same for all 3 channels. The measurement is indicated by green (= OK) and red (= error) LEDs and an acoustic alarm signal. The acoustic signal can be turned off.

**Output signal**

It provides a logical 5V output for further processing. When all outputs are in the limit and power supply is existing, the output signal is logically 0 otherwise logically 1.

**Monitoring of personnel grounding**

The **Ground Man Plus** monitor provides an additional control of personnel grounding by a twin conductor wrist strap/grounding cable plug. The monitor measures the voltage of the person and the resistance of the wrist strap.



**Scope of delivery**

- Ground Man Plus monitor
- User manual
- Power supply unit

dpmlink 15206

Article Type

3M-CTC334 Workstation monitor Ground Man Plus CTC334



Ground Master® Monitor SCS



Know whether your equipment is properly grounded at all times

Proper grounding is crucial for safe and uninterrupted operation of equipment. In critical environments broken ground connection may result in personnel exposure to dangerous voltage, equipment lockup or malfunction and damage to sensitive components.

**Ground Master** offers continuous monitoring of proper ground connection of up to 8 tools (and up to 16 tools in tandem with another **Ground Master**). Status indication, **Ground Master** shows which ground connection is being monitored, which one is OK and which one has failed. Enabling switches for each ground connection allow for accurate and safe indication. With safety in mind, every ground connection has individual easily-replaceable fuse to prevent dangerous voltages from miswiring propagating to other equipment.

In addition to ground connection, **Ground Master** offers monitoring of EMI on each ground, assisting in diagnostics of lockups and malfunction.

**Ground Master** provides intelligent information to a facility monitoring system with detailed status on each ground connection. **Ground Master RT** provides relay closure and logic signal to the tool so that it can be shut down in case of ground failure.

**Applications**

- Pick-and-place machines, machines
- Devices for handling printed circuit boards
- Screen printer
- Conveyor belts
- Tester
- Photolithography equipment
- Wafer handlers
- GMR head testers
- Any sensitive equipment locations
- Industrial robotics
- Tool clusters
- Medical environment
- Military
- Wherever ESD and EMI are an issue

**Features**

- Permanent ground monitoring
- ANSI-ESDA S.20.20 compliant
- Adjustable alarm threshold
- EMI monitoring on each ground connection
- Safety protection for each ground connection
- Enable switches for each ground connection
- Industrial network interface
- Connection to a Facility Monitoring System
- With RT model relay and logic level output

**Key advantages**

- **ANSI/ESDA S.20.20 compliant**  
Ground Master measures ground impedance in accordance with requirements of ANSI/ESDA S.20.20 standard
- **Adjustable alarm threshold**  
The alarm threshold can be easily adjusted at any time in a range of 1 to 20 Ohms
- **Safety**  
Each ground connection is protected by individual fuses to protect equipment in case of miswiring of neutral, power and ground
- **EMI**  
Ground Master monitors EMI on each ground and indicates EMI status
- **Output to Data Acquisition or Facility Monitoring System**  
Ground Master monitors provide intelligent output to a data acquisition or facility monitoring system. Power can be supplied via the same cable from FMS as well
- **Output to the Tool**  
Ground Master RT provides relay closure and logic signal to the tool to shut it down when any of the grounds fail

**Technical data**

**Ground impedance**

Alarm threshold 1 ... 20 Ohm (adjustable by the user)  
EMI on ground 0dBm broadband

**Display**

Visual LEDs for each channel  
Audio Buzzer

**Other**

Enable switches each channel

**Connections**

Relay output with RT models N/C relay contacts, logic level output via plug connector

Ground Master ist available with two different interfaces:

1. Current interface for FMS, DAQ 4 ... 20 mA RJ45 connector
2. MODBUS interface (for SMP) MODBUS compliant, RJ45 connector

**General**

Power supply (local or network) 24V DC  
Voltage < 250mA  
Power consumption 114 x 92 x 28 mm  
Dimensions (without mounting bracket)

**Application example: monitoring of assembly tool**

Many assembly tools consist of several parts which are not always grounded. Their ground connection may also be broken during maintenance, modifications and even in normal use. Ground Master® can monitor ground connection of every single part of the entire tool to assure its compliance with the standards and uninterrupted operation of the tool. Ground Master® RT can provide relay closure or logic level signal to the tool to stop in case of ground failure.

**Ordering information**

Ground Master comes with:

- four spare fuses
- grounding hardware
- universal power adapter
- user manual

Please contact us for further options and accessories.

**dpvlink 16954**

Article	Type	
770044	<b>Ground Master® grounding monitor</b> with Ethernet connection, 24V input terminal and power supply unit	

**Safety Pips**



**Technical data:**

Operating voltage: 9 V power unit according to IEC/DIN 6F22  
 Battery life: > 1 year (8 hours daily no fault message)  
 Connectors: 10 mm snap for spiral cable  
 Measurand: Measurement capacitive of the impedance  
 Measuring range: 1 MOhm ... (100 pF + 2 MOhm) within limits  
 HI-Fail > 5 MOhm; LO-Fail < 400 kOhm  
 Test voltage: DC < 0.01 volt; AC < 4.00 volt  
 Test current 1.0 MOhm load: DC < 0.01 µA  
 AC < 1.00 µA  
 Housing material: ABS black, dissipative (excepting label)  
 Environmental conditions: Temperature range: 10°C - 40°C  
 Relative humidity: 20% - 80%  
 Dimensions: 125 x 60 x 26 mm  
 Weight: approx. 140 g (incl. battery)



Handy tester for permanent monitoring of wrist strap systems. Disruptions of the grounding are reported by a visual and acoustic signal. Suitable for standard spiral cables with snap 10 mm or BA 4 mm

**dpvlink 4649**

Article	Type	
7100.181	<b>Safety Pips with warning signal</b> acoustic and visual warning signal, battery 9V, connector 10 m snap	
7100.181.EB	<b>Safety Pips with grounding plug</b> Display: optical and acoustic warning signal, connector 10 m snap with grounding plug for Schuko socket	
7100.181.K	<b>Safety pips with signal contact</b> with signal contact (without acoustic warning signal), connector 10 mm snap power supply unit 230 VAC	
7100.181.C	<b>Calibration unit for Safety Pips</b>	
7100.181.103	<b>Power supply unit 230 V AC</b> for the retrofitting of Safety Pips 7100.181 + 7100.181.EB from battery to mains operation	
7100.181.H	<b>Bracket for Safety Pips</b>	
7100.181.K.M	<b>Additional module for Safety Pips</b>	

**Single station ES 19-655 permanent monitoring system**

DESCO EUROPE

Permanent monitoring for wriststraps and table covering



- real-time monitoring due to Wave Distortion Technology, unavoidable
- acoustic and optical alarm in case of faults
- calibration in compliance with European standards
- connection type:
  - grounding cable 3 mm snap or 10 mm snap (parking position)
  - BA plug 4 mm or 10 mm snap (operator)
  - table covering / grounding cable 10 mm snap / screw eye
- grounding is made via power supply unit

dpvlink 22825

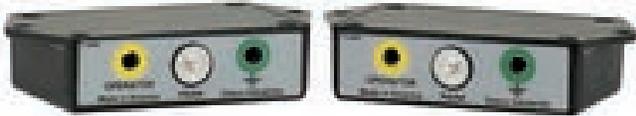
Article	Type
7110.652	Single station ES 19.652 permanent monitoring system
7110.652-98221	Control unit type 98221 for monitor ES 19.652
7110.653	Remote Alarm (for single station ES-652 permanent monitoring)



**Dual station DS 740 permanent monitoring system**

DESCO EUROPE

Permanent monitoring for wriststraps with 1-pin grounding cables



- Monitoring in real time by wave distortion technology, cannot be circumvented
- Visual and acoustic alarm in case of errors
- Calibration according to European standards
- 3 mm parking snap
- Grounding via the power supply unit

dpvlink 15216

Article	Type
7110.740	<b>Dual station DS 740 permanent monitoring system</b> Connection: banana plug BA 4 mm
7110.741	<b>Dual station DS 741 permanent monitoring system</b> Connection: 10 mm snap



High resistance meters

**METRISO® 3000 measurement kit**



**METRISO® 3000 measurement kit,**

consisting of the digital high resistance meter Metriso® 3000, a pluggable temperature and humidity sensor, USB interface, PC software for Windows®, 2 measuring electrode, 1 hand electrode, measuring cables, user manual (German/English/French), factory calibration certificate and a conductive carrying case with dissipative pink foam according to DIN EN 61340-4-1.



1. USB port
2. interface for temperature/humidity sensor and bar-code scanner
3. 2 sockets for testing the reference resistance 10 MΩ



- suitable for measuring of point-to-point resistances and bleeder resistances
- Integrated data memory allows the logging of 50,000 measured values that can be read out via an USB interface to the PC
- Logging software "ETC" facilitates the creation and recording of complete test protocols
- with pluggable sensor for measuring temperature and humidity
- The application of the bar code scanner allows an automatic identification of the measuring points before the measurement

**Technical data:**

Measuring voltage/ ohm range:  $1\text{mA} \leq I \leq 1.3\text{mA}$   
 measuring current: high ohmic range: direct current 10, 100 und 500 V  
 Measuring range: low ohmic range: 0 up to 10kOhm  
 high ohmic range: 1 kOhm bis 1.2 TOhm  
 Operation mode: battery mode  
 Electrode: 2 x model 850 with conductive rubber 1 x hand electrode model 45

dpvlink 16556

Article	Type
7100.3000.MK	METRISO® 3000 - measurement kit German, complete
7100.3000.G	METRISO® 3000 measurement device (without accessories)
7100.3000.SC.D2	Barcode scanner for 2D and 1D codes



**ESD Audit case Metriso 3000 with electrode type 850**



Audit set for the measuring and control of dissipation values in ESD protective areas (EPAs).

**Application:**

- Testing flooring systems acc. to IEC 61340-4-1 and to IEC 61340-4-5 (Walking test)
- Testing chairs, workstations, shelves, transport cars and automated handling equipment acc. IEC 61340-2-3
- Testing packaging materials acc. to IEC 61340-2-3
- Testing electrostatic fields
- Testing the point-to-point resistance of garments acc. to IEC 61340-4-9
- Evaluating temperature and relative humidity
- Evaluating Ionizers acc. to IEC 61340-4-7

All devices are delivered including factory calibration certificate and user manual.

**Scope of delivery:**

7110.600	ESD audit case (external dimensions: 575 x 490 x 250 mm, weight empty 7 kg)
<b>7100.3000.G*</b>	<b>Metriso 3000 with measuring lines</b>
7100.3000.TF*	Temperature/humidity sensor
7220.45	Manual electrode model 45
7220.840*	Two-point electrode model 840 (Mini-Probe)
7220.880*	Ring electrode model 880
7100.SRM110*	Surface Resistance Meter SRM 110
7100.EFM51.WT*	Electric field meter EFM51 with Walking Test measuring head and pedestal
7100.WT5000.ML	Measuring lines for Walking Test
7100.EFM51.CPS	Charged Plate kit with charge plate and high-voltage generator ±1200V
2200.110.Y	Grounding plug
7110.E8.Y	8-fold grounding distributor with schuko plug
7100.2000.TR50	Cable drum 50 m
7100.PGT100.102	Metal plate 400 x 300 x 2 mm
7220.880.6	Insulating plastic plate 120 x 160 x 6 mm
7220.880.9	Stainless steel counter electrode Ø 120 mm
7220.880.L	Guard wire, blue, 1.5m
<b>7220.850 (2x)</b>	<b>Electrode type 850</b>

\* Devices with calibration certificates



- Lockable aluminium case
- Removable roll frame
- Conductive foam
- ESD labelling

**dpvlink 17719**

Article	Type
7110.600.Set.WT	<b>ESD Audit case Metriso 3000 with Walking Test kit and electrode type 850</b> with MK51 measuring head for Walking Test and measuring cable for hand electrode / MK51



**ESD Audit case Metriso 3000 with electrode type 870**



Audit set for the measurement and control of protective components in ESD protected areas.

**Application:**

- Testing flooring systems acc. to IEC 61340-4-1 and to IEC 61340-4-5 (Walking test)
- Testing chairs, workstations, shelves, transport cars and automated handling equipment acc. IEC 61340-2-3
- Testing packaging materials acc. to IEC 61340-2-3
- Testing electrostatic fields
- Testing the point-to-point resistance of garments acc. to IEC 61340-4-9
- Evaluating temperature and relative humidity
- Evaluating Ionizers acc. to IEC 61340-4-7

All instruments are delivered with factory calibration certificate and user manual.

**Scope of delivery:**

7110.600	ESD audit case (external dimensions: 575 x 490 x 250 mm, weight empty 7 kg)
<b>7100.3000.G*</b>	<b>Metriso 3000 with measuring lines</b>
7100.3000.TF*	Temperature/humidity sensor
7220.45	Manual electrode model 45
7220.840*	Two-point electrode model 840 (Mini-Probe)
7220.880*	Ring electrode model 880
7100.SRM110*	Surface Resistance Meter SRM 110
7100.EFM51.WT*	Electric field meter EFM51 with Walking Test measuring head and pedestal
7100.WT5000.ML	Measuring lines for Walking Test
7100.EFM51.CPS	Charged Plate kit with charge plate and high-voltage generator ±1200V
2200.110.Y	Grounding plug
7110.E8.Y	8-fold grounding distributor with schuko plug
7100.2000.TR50	Cable drum 50 m
7100.PGT100.102	Metal plate 400 x 300 x 2 mm
7220.880.6	Insulating plastic plate 120 x 160 x 6 mm
7220.880.9	Stainless steel counter electrode Ø 120 mm
7220.880.L	Guard wire, blue, 1.5m
<b>7220.870 (2x)</b>	<b>Electrode type 870</b>
7220.870.V.SET	Extension rod for electrodes model 870

\* Devices with calibration certificates



- Lockable aluminium case
- Removable roll frame
- Conductive foam
- ESD labelling

**dpvlink 26186**

Article	Type
7110.600.Set.WT.870	<b>ESD Audit case Metriso 3000 with Walking Test kit</b> with MK51 measuring head for Walking Test and measuring lines for contact hand electrode / MK51



**Metriso® B530 Basic test kit**



**METRISO® B530 -Basic meter is suitable** for the measurement of point-to-point and bleeder resistances. Measure system resistances, footwear or floor systems.

**Technical data:**

Measuring voltage: Ohmic range:  $1\text{ mA} \leq I \leq 1,3\text{ mA}$   
 High ohmic range: direct voltage 10 V, 100 V, 500V  
 Measuring range: Low ohmic range: 0 to 10 kOhm  
 High ohmic range: 1 kOhm to 1.2 TOhm  
 Operation mode: battery operation

**METRISO® B530 -Basic meter**

consisting of:

- digital high resistance meter Metriso B530 and measuring cables
- factory calibration certificate
- calibration recommended every 2 years

**METRISO® B530 Basic test kit with electrodes type 850**



consisting of:

- digital high resistance tester Metriso B530 Basic
- 2 measurement electrodes model 850 (art. no. 7220.850)
- 1 hand electrode model 45, measuring cable
- user manual (German, English, French)
- calibration certificate
- conductive case
- recommended calibration interval 2 years



**METRISO® B530 Basic test kit with electrodes type 870**



consisting of:

- digital high resistance tester Metriso B530 Basic
- 2 measurement electrodes model 870 (art. no. 7220.870)
- 1 hand electrode model 45, measuring cable
- user manual (German, English, French)
- calibration certificate
- conductive case
- recommended calibration interval 2 years



dpvlink 19507

Article	Type
7100.B530.G	Metriso B530 Basic meter single
7100.B530.MK	Metriso B530 Basic test kit, complete with measuring electrodes type 870
7100.B530.MK.850	Metriso B530 Basic test kit, complete with measurement electrodes type 850



**ESD Audit case Metriso B530 with electrode 850**



Audit set for the measurement and control of protective components in ESD protected areas.

**Application:**

- Testing flooring systems acc. to IEC 61340-4-1 and to IEC 61340-4-5 (Walking Test)
- Testing chairs, workstations, shelves, transport cars and automated handling equipment acc. IEC 61340-2-3
- Testing packaging materials acc. to IEC 61340-2-3
- Testing electrostatic fields
- Testing the point-to-point resistance of garments acc. to IEC 61340-4-9
- Evaluating temperature and relative humidity
- Evaluating Ionizers acc. to IEC 61340-4-7

All instruments are delivered with factory calibration certificate and user manual.

**7100.B530.G\***

7110.600

7100.TF530

7220.45

7220.840\*

7220.880\*

7100.SRM110\*

7100.EFM51.WT\*

7100.WT5000.ML

7100.EFM51.CPS

2200.110.Y

7110.E8.Y

7100.2000.TR50

7100.PGT100.102

7220.880.6

7220.880.9

7220.880.L

**7220.850 (2x)**

**Metriso B530 Basic with measuring lines**

ESD audit case (external dimensions: 575 x 490 x 250 mm, weight empty 7 kg)

Thermal hygrometer TF-530

Manual electrode model 45

Two-point electrode model 840 (Mini-Probe)

Ring electrode model 880

Surface Resistance Meter SRM 110

Electric field meter EFM51 with Walking Test measuring head and pedestal

Measuring lines for Walking Test

Charged Plate kit with charge plate and high-voltage generator ±1200V

Grounding plug

8-fold grounding distributor with schuko plug

Cable drum 50 m

Metal plate 400 x 300 x 2 mm

Insulating plastic plate 120 x 160 x 6 mm

Stainless steel counter electrode Ø 120 mm

Guard wire, blue, 1.5m

**Electrode type 850 (7110.B530.SET.WT.850)**

\* Devices with calibration certificates



- Lockable aluminium case
- Removable roll frame
- Conductive foam
- ESD labelling

dpvlink 19516

Article	Type
7110.B530.SET.WT.850	<b>ESD audit case Metriso B530 with electrode type 850</b> incl. Walking test function via EFM51 with MK51 measuring head



**ESD audit case Metriso B530 with electrode 870**



Audit set for the measurement and control of protective components in ESD protected areas.

**Application:**

- Testing flooring systems acc. to IEC 61340-4-1 and to IEC 61340-4-5 (Walking Test)
- Testing chairs, workstations, shelves, transport cars and automated handling equipment acc. IEC 61340-2-3
- Testing packaging materials acc. to IEC 61340-2-3
- Testing electrostatic fields
- Testing the point-to-point resistance of garments acc. to IEC 61340-4-9
- Evaluating temperature and relative humidity
- Evaluating Ionizers acc. to IEC 61340-4-7

All instruments are delivered with factory calibration certificate and user manual.

**Scope of delivery:**

<b>7100.B530.G*</b> 7110.600	<b>Metriso B530 Basic with measuring lines</b> ESD audit case (external dimensions: 575 x 490 x 250 mm, weight empty 7 kg)
7100.TF530	Thermal hygrometer TF-530
7220.45	Manual electrode model 45
7220.840*	Two-point electrode model 840 (Mini-Probe)
7220.880*	Ring electrode model 880
7100.SRM110*	Surface Resistance Meter SRM 110
7100.EFM51.WT*	Electric field meter EFM51 with Walking Test measuring head and pedestal
7100.WT5000.ML	Measuring lines for Walking Test
7100.EFM51.CPS	Charged Plate kit with charge plate and high-voltage generator ±1200V
2200.110.Y	Grounding plug
7110.E8.Y	8-fold grounding distributor with schuko plug
7100.2000.TR50	Cable drum 50 m
7100.PGT100.102	Metal plate 400 x 300 x 2 mm
7220.880.6	Insulating plastic plate 120 x 160 x 6 mm
7220.880.9	Stainless steel counter electrode Ø 120 mm
7220.880.L	Guard wire, blue, 1.5m
<b>7220.870 (2x)</b>	<b>Electrode model 870 (7110.B530.SET.WT)</b>
7220.870.V.SET	Extension rod for electrodes type 870 (7110.B530.SET.WT)

\* Devices with calibration certificates



- Lockable aluminium case
- Removable roll frame
- Conductive foam
- ESD labelling

**dpvlink 26714**

Article	Type
7110.B530.SET.WT	<b>ESD audit case Metriso B530 with electrode type 870</b> incl. Walking test function via EFM51 with MK51 measuring head



**METRISO® - special accessories**



**dpvlink 19753**

Article	Type
7100.2000.ML	Replacement measuring lead set (com/shield + positive lead)
7100.2000.TR50	Cable reel 50 m (for METRISO® 2000, 3000 and 530)



**Verification Unit**



The Verification Unit assures a quick verification of resistance meters before measurements.

- suitable for Metriso®3000/ Metriso®B530/SRM®200 and SRM®110
- resistance range 10 kΩ to 1 GΩ
- with factory calibration certificate (English/German)

**dpvlink 26192**

Article	Type
7100.RM.VU	<b>Verification Unit</b> with factory calibration certificate



**Veribox VB2**



- This Veribox contains resistances for the testing of high-ohmic measuring devices before using
- For verifying the measuring devices there are 3 different resistances
- Every resistance has a separate plug connection
- test resistances: 10 kOhm, 1 MOhm, 1 GOhm



**dpvlink 17667**

Article	Type
7100.VB	<b>Veribox</b>



Surface resistance meters

SRM 110 Surface resistance meter



Handy, handheld meter to check electrostatically conductive / dissipative surfaces

Technical data:

Measuring range:  $10^3 - 10^{12}$  Ohm  
 Measuring voltage: 10 V / 100 V  
 Display: 12-digit LED point display  
 Electrodes: integrated bar electrode  
 Operating mode: Battery operation

Scope of delivery: SRM 110 incl. storage bag, grounding wire, 9V battery and factory calibration certificate

dpvlink 4662

Article	Type
7100.SRM110	SRM 110 Surface resistance tester



SRM 200 Surface resistance meter



Handheld instrument to check conductive / dissipative surfaces. The test values are shown on a LCD display.

Technical data:

Measuring range:  $10^3 - 10^{12}$  Ohm  
 Measuring voltage: 10 V / 100 V  
 (automatic switchover at  $> 1$  MOhm)  
 Operating mode: rechargeable battery operation  
 Display: LCD display  
 Electrodes: Bar electrode with conductive rubber

- with data memory and USB interface to PC
- Connection of 2 external sensors possible

dpvlink 14273

Article	Type
7100.SRM200	SRM 200 Surface resistance meter



SRM® 200 Verification Kit



Verification kit for the measurement of conductive/dissipative surfaces

Scope of delivery:

- 1 SRM 200 with accessories
- 2 flat electrodes model 820
- 1 mini probe model 410
- 1 hand electrode model 45
- 2 measuring lines
- calibration certificate
- conductive carrying case

dpvlink 21681

Article	Type
7100.SRM200.VK	SRM® 200 Verification Kit



SRM Mini Probe 410

The electrode SRM Mini Probe 410 is suitable for point-to-point resistance measurements on small packaging. Check your specific requirements during the process chain.

- Verification measurements on small packaging
- attachable to SRM 110 or SRM 200
- measurable cavities (e.g. thermoformed trays)
- even pressure due to spring electrode pins
- conductive rubber  $\varnothing$  4 mm
- total resistance of the electrode on metal plate



dpvlink 20636

Article	Type
7220.410	SRM Mini Probe 410 SRM Mini Probe 410 for SRM 110 / SRM 200



**Measuring electrodes / accessories**

**Metal plate**



- Dimensions: 400 x 300 x 2 mm
- incl. 10mm snap connection
- for qualification measurements of shoes, chairs, transport systems etc.
- Stainless steel
- measuring line is connected with 10mm banana plug adapter 2287.10.10

Application example



<b>dpvlink 17671</b>		
Article	Type	
7100.PGT100.102	Metal plate	

**Hand electrode model 450**



For the measurement of "system resistance person / shoes / ground" and walking test according to DIN EN 61340-4-5 

- Ø 25 mm, length 75 mm, weight approx. 130 g
- electropolished stainless steel

<b>dpvlink 8491</b>		
Article	Type	
7220.450	Hand electrode model 450	

**Mini probe set**

For surface resistance measurements on small packages (SMD blister belts, conveyor belts, deep draw drays, etc.), measurement in deepening possible, even pressure by sprung electrode pins, exchangeable measuring head with BNC connector



<b>dpvlink 7120</b>		
Article	Type	
7220.840.SET	<b>Mini probe set two-point electrode</b> Two-point electrode model 844 in conductive carrying case and with calibration certificate.	
7220.841	<b>Ring electrode model 841 mini probe set</b> for soft surfaces (exchangeable measuring head)	
7220.844.C	<b>Calibration unit for two-point electrode</b>	
7220.844.1	<b>Replacement measuring pins for measuring head 844</b> (PU: 2 pieces)	

**Measuring electrodes**

Measuring electrodes for the measurement of the bleeder and surface resistances according to DIN IEC 61340-4-1, DIN EN 61340-2-3 

<b>dpvlink 4699</b>	Article	
	Type	



- 7220.850  
**Measuring electrode ETS type 850**
- Diameter Ø 63.5 mm
  - Weight 2.25 kg,
  - Conductive contact rubber (R < 200 ohm)
  - Total resistance of the electrode R < 150 ohm
  - Banana plug socket 4 mm
  - Scope of delivery: 1 piece



- 7220.870  
**Measuring electrode type 870**
- diameter 63.5 mm / 2.27 kg
  - for the measurement of point-to-point and bleeder resistances
  - conductive rubber with silver particles (R < 100 Ohm)
  - banana plug socket under the insulated handle



- 7220.870.SET  
**Measuring electrodes 870-SET**  
Consisting of:
- 2x measuring electrode model 870
  - conductive case
  - grid pattern foam



- 7220.870.V.SET  
**Extension three-part (for electrode 870)**  
for the measurement on floor systems with insulated handle

**Ring electrodes sets**

Ring electrodes for measuring the bleeder and volume resistance according to DIN EN 61340-2-3 

<b>dpvlink 4704</b>	Article	
	Type	



- 7150.1108  
**Ring electrode H 108**
- diameter Ø 65 mm / weight 2.5 kg
  - with conductive carbon contact rubber (R < 500 ohm)
- Delivery incl. coaxial cable and carrying case



- 7220.880.SET  
**Ring electrode model 880**
- Conductive contact rubber (R < 5 ohms) with silver particles
  - Electrode total resistance R < 30 ohm
  - Standard weight of 2.5 kg can be achieved by separate weight (e.g. electrode model 850 or H 116)

Delivery: incl. counter electrode (stainless steel plate, insulating plate) and conductive carrying case

### Two-sided electrode sets

Ring electrode and circular electrode in one two-sided electrode for measuring surface and volume resistances, bleeder and point-to-point resistances.

- Conductive contact rubber (R < 50 Ohm) with silver particles
- Standard weight 2.5 kg
- fulfills the requirements of DIN EN 61340-4-1 and DIN EN 61340-2-3

Scope of delivery of the set:

- stainless steel plate
- insulating plate
- blue guard line
- conductive case
- calibration certificate



dpvlink 17696

Article	Type
7220.890.SET	<b>Two-sided electrode model 890 set</b> complete set incl. carrying case
7220.890.WE	<b>Two-sided electrode model 890</b> Single electrode



### Press-down probe set model 830

Very light and universally usable probe for resistance to ground measurements, point-to-point measurements, surface resistance and volume resistance measurements



- Conductive rubber (R < 5 Ohm) with silver particles
- Circle and ring probe as magnetic interchangeable unit
- The standard weight of 2.5 kg is reached by pushing down the spring loaded mechanism
- in compliance with DIN EN 61340-4-1 and DIN EN 61340-2-3

Scope of delivery:

- probe model 830
- stainless steel plate
- insulating plate
- conductive carrying case
- factory calibration certificate DE/EN



dpvlink 21652

Article	Type
7220.830.SET	Press-down probe model 830 SET



### Clamping electrode



- for the measurement of point-to-point resistances on ESD clothes
- contact surface of stainless steel 50 x 25 mm
- with clamping effect for a good contacting
- connection: 1 banana jack
- corresponds to IEC 61340-4-9

dpvlink 17700

Article	Type
7220.CL.49	Clamping electrode PU = 2 pieces



### Glove garment electrode

The electrode is designed to measure the bleeder resistance of fingercots and worn gloves according to ANSI / ESD TR53-01-15



- insulating plastic frame with 4 mm banana jack
- contact electrode of stainless steel
- dimensions: 130 x 80 x 40 mm (H x W x D)
- weight: 460 g

dpvlink 19944

Article	Type
7220.15	Glove garment electrode according to ANSI/ESD TR53-01-15



### Backrest probe



For bleeder resistance measurements of backrests of ESD chairs with conductive contact rubber with silver particles R < 5 ohms.

- Total resistance per electrode R < 100 ohm
- Diameter 63.5 mm
- Insulated handle
- Connection 4 mm banana plug socket

dpvlink 19739

Article	Type
7220.900	Backrest probe



### Clamping electrode model 832



The clamping electrode model 832 is designed to measure IC bars, belt straps and other even or uneven materials

- for the measurement of point-to-point, bleeder and volume resistances
- contact surfaces 6 x 8 / 6 x 3 mm
- good contacting due to conductive rubber contacts  $R < 5 \Omega$
- connectors: banana jacks

Scope of delivery:

- clamping electrode (2 pieces)
- measuring lines (2 pieces)



**dpvlink 25186**

Article	Type
7220.832	Clamping electrode model 832



### Point-to-point electrode



for surface resistance measurement of vertical surfaces with a specified distance of 30 cm; connectable to a high-speed ohmmeter; conductive contact rubber with silver particles; weight: 950 g; dimensions: 385 x 85 x 70 mm (LxWxH); contact rubber:  $\varnothing 63.5$  mm

**dpvlink 10208**

Article	Type
7220.860	Point-to-point electrode



### Tripod electrode



For the determination of the electric resistance of a elastic flooring according to EN 1081; for the connection to a high ohmmeter

**dpvlink 16252**

Article	Type
7220.1081	Tripod electrode



## Temperature / humidity meter

### Thermo-Hygrometer TF-530



Digital thermo-hygrometer, ideal for the fast and precise measuring of temperature and humidity

- MAX / MIN / HOLD function
- backlight
- automatic shut-off
- tripod thread 1/4"

**Technical data:**

Temperature:	-30...+70°C ( $\pm 0,5^\circ\text{C}$ at -10 +70°C)
Humidity:	0 ... 100% ( $\pm 3\%$ at 20...80%)
Dimensions:	165 x 52 x 35 mm (L x W x H)
Weight:	115 g (without battery)

Scope of delivery:

- digital meter TF-530
- 9V battery
- leather case
- user manual (German/English)

**dpvlink 19520**

Article	Type
7100.TF530	Thermal hygrometer TF-530



## Detector systems

### ESD Pro



The **ESD Pro** is a portable ESD event detector which can display the relative strength of ESD events and record the number of threshold exceedances.

You can use **ESD Pro** for different applications:

- ESD audit
- ESD diagnostics and fault analysis
- ESD tool qualification
- EMI diagnostics
- ... etc.

ESD events, also fast discharge, may damage sensitive electronic components. Even if it is proven that the efficacy of the dissipation is assured by the ESD protection, ESD events may occur.

ESD Pro detects ESD events due to their specific electromagnetic signature they produce. The detector is able to suppress not ESD-related EMI events. This procedure is registered for patent approval and allows evaluating the ESD environment in places where EMI events resulting from step motors, electromagnets, relays and other similar events abound.

In a typical tool like for example an IC handling instrument or a SMT pick-and-place machine, the sources of such ESD events can include the IC entry and exit of each conductive or even dissipative surface.

**Technical data**

Sensitivity	1...1000 V
Threshold	adjustable
Discharge pols	both
Event counter	4-digit counter
Event intensity / size class	LED bar
ESD Event indication	LED bar, beep
EMI Event negation	choose CDM mode; choose all events
Energy	9V alkaline battery
Dimensions (approx.) without antenna	120 x 65 x 23 mm
Dimensions (approx.) with antenna	173 x 65 x 23 mm

**dpvlink 15209**

Article	Type
3M-CTM082	<b>ESD Pro CTM082</b>



**EM EYE Meter**



The **EM EYE Meter** is a universal measuring instrument applicable to detect various parameters due to the connection of different sensor types. A touch screen makes it easy and intuitive to use.

**EFM module field strength sensor**

For the use as EM field strength meter, power density meter or EIRP meter. The EM EYE Meter detects and measures high-frequency electric fields by a miniaturized directional antenna. For measuring and recording of single and average values.

- further information about the EMF module on request -

**Sensor types**

**ESD sensor module**

The EM EYE Meter is able to detect ESD events according to the discharge models **CMD, MM, HBM, or Raw Input**.

Measurement of

- maximum voltage
- average values
- threshold values setting
- voltage of each ESD event
- Event counter
- Raw input mode to record and evaluate the measured voltages for later analysis



**Properties**

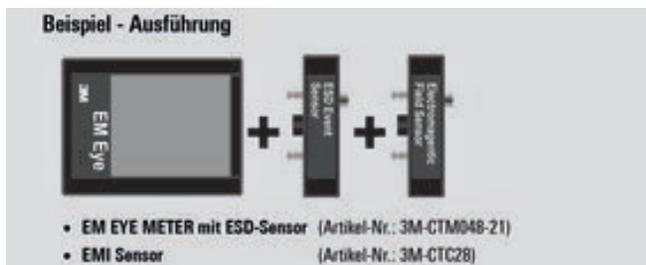
- Modular construction
- Touch screen with modern user interface TFT 240x320px
- Speaker and headphone output
- Selection of remote and local antennas
- Time display, hold function
- Data recording event-related or in selectable intervals
- Data logging by using a standard microSD card
- Data table display also on the monitor of the instrument
- Frequency range 1 MHz to 2.5 GHz
- Lithium ion rechargeable battery with charger or power supply operation

**Specifications**

- Dimensions W 65 x H 32 x L 105 mm
- Data acquisition interval:  
Peak values: 1 – 360 s  
average values: 0.1 – 360 s
- Operation temperature: 10-40 C
- head set plug: 3.5 mm
- Antenna/cable connection: reversible SMA



- further information available on request -



Article	Type
3M-CTM048-21	<b>EM EYE METER with ESD sensor</b>
3M-CTC28	<b>EMI Sensor</b> for EM EYE METER with ESD sensor
3M-CTC21	<b>ESD sensor</b> ESD sensor for 3M CTM048 EM-EYE-METER



**Electrostatic voltmeter**

**EFM 022 Electric field meter**

The handy, mobile electric field meter with digital display for the measurement of electric fields and electrostatic charges. The measured field strength (V/m) is automatically converted into the voltage potential (V) via the set measuring distance. ⚠



**Technical data:**

- Measuring mode: Influence principle (fieldmill principle)
- Measuring range: 0 to ± 200kV
- Display: 2 LCD display
- Operating mode: Battery operation

**Scope of delivery:**

incl. storage bag, grounding wire, 9V battery, factory calibration certificate and user manual (German/English)

**Accessories (optional):**

Accessory kit for EFM 022 consisting of conductive carrying case, 9V NiMH rechargeable battery with charger, grounding spiral cable and alligator clip.

dpvlink 4653		QR Code
Article	Type	
7100.EFM022	<b>EFM 022 Electric field meter</b>	
7100.EFM022.Z	<b>Accessory Kit for EFM 022</b>	

**Electrostatic field meter EFM® 51**

Mobile, handy electrostatic field meter with digital display for measurement of electrostatic fields and electrostatic charges. The measured field strength (V/m) is automatically converted in the mode of 'distance' by the set measuring distance in the surface potential (V). The actual field strength (V/m) will be shown in the additional "E-field" mode.

- Measuring range: 0 to ± 160kV (mode "distance")  
0 to 800 kV/m (mode "E-Field")
- Measurement type: induction principle (principle of field mill)
- Display: 2 line LCD display
- Operating mode: battery operation
- Scope of delivery: grounding line including factory calibration certificate, user manual (German/English)



dpvlink 19758		QR Code
Article	Type	
7100.EFM51	Electrostatic field meter EFM® 51 including bag	
7100.EFM51.PLUS	Electrostatic field meter EFM® 51 in conductive case	

### EFM®51 Verification Kit



Mobile, handy electric field meter with digital display for the measurement of electrostatic fields and charges

- By means of the measuring head MK 51 included in the verification kit it is possible to use the EFM®51 for verifying the measurement of the body voltage (walking test) according to IEC 61340-4-5
- The also included Charged Plate kit allows the measurement of the effectiveness of ionizers and their offset voltages

Scope of delivery:

- EFM®51 - CPS (Charged Plate Set)
- EFM®51 - Walking Test Kit
- factory calibration certificate
- conductive carrying case

[dpvlink 21679](#)

Article	Type
7100.EFM51.VK	EFM®51 Verification Kit



### RF meter FMX-004



The FMX-004 fieldmeter is a compact electrostatic fieldmeter used for locating and measuring static charges. Its pocket size and three-button operation makes it convenient and easy to use.

- Lightweight, compact design
- Range light assures accurate and repeatable measurements
- Automatic range switching up to  $\pm 30\text{kV}$  (30.000V)
- Digital and bar graph display with +/- indicators
- Automatic power off with inactivity

**Technical Data:**

Measurement range:	0 kV bis $\pm 1,49$ kV (LO-area) $\pm 1,0$ kV bis $\pm 30,0$ kV (HI-area) -220 V - +220 V (Ions balance)
Distance indicator:	25 mm $\pm$ 0,5 mm (LEDs support the compliance of the correct distance)
Response time:	<1s
Operating temperature:	Operates in temperature range 10 - 40 °C
Battery:	9 V Alkali battery
Housing:	Conductive plastic (ABS)
Weight:	170 g (inkl. battery)

[dpvlink 18326](#)

Article	Type
7500.FMX004	RF meter FMX-004



### Electric field meter and air ionizer type 718



The electric field meter typ 718 is a light and handy device used to measure static fields and charges of objects. The meter can measure voltages between 0 and +19.99 kV. The electric field meter can be used to recognize quickly and reliably sources of danger caused by static charge.

**Technical data:**

Dimensions:	2.4 x 7.0 x 12.5 cm
Weight:	140 g (with battery)
Power requirements:	1 x 9V alkaline battery
Measuring ranges:	0-2 kV low range 0-20 kV high range
Voltage indicator:	3.5-digit LCD display
Distance:	2.5 cm (measuring distance control supported by LED destination points)
Measurement accuracy:	within 5% of the actual voltage
Certificates:	CE



The air ionizer test kit type 718 allows for the control of the effectiveness and functioning of air Ionizers. The test kit consists of the electric field meter typ 718, a plate electrode attachable to the electric field meter and a high-voltage generator.

**Technical data:**

Dimensions air ionizer :	2.8 x 6.6 x 11.4 cm
Dimensions plate electrode:	7.5 x 3.0 cm
Weight:	140 g (with battery)
Power requirements:	1 x 9V alkaline battery
Measuring ranges:	0-2 kV low range 0-20 kV high range
Certificates:	CE

[dpvlink 26340](#)

Article	Type
718-19442	<b>Electric field meter type 718</b>
718-19440	<b>Accessory set air ionizer type 718</b> Accessory kit for air ionizer kit consisting of: <ul style="list-style-type: none"> <li>• attachable plate electrode</li> <li>• high-voltage generator</li> </ul>
718-19443	<b>Air ionizer test kit type 718</b> Test kit consisting of: <ul style="list-style-type: none"> <li>• 718-19942 electric field meter</li> <li>• 718-19440 air ionizer with attachable plate electrode and high-voltage generator</li> </ul>



Charged plate monitors

EFM 022 CPS / Charged Plate Set



Handy instrument used to measure the effectiveness of ionizers and those offset voltage ⚠

- determines the discharge time from +/-1000 volts to +/-100 Volts
- measurement of the voltage potential on a plate electrode attachable to the EFM 022 (75 x 150 mm)
- suitable for the use in machines
- dimensions: 150 x 125 x 75 mm (WxHxD) with stand



Scope of delivery:

- EFM 022 electric field meter
- carrying case
- high-voltage generator +/- 1200 Volt
- stand, grounding wire
- charge plate
- 9V rechargeable battery + charger
- factory calibration certificate
- user manual (German/English)

dpvlink 4722

Article	Type
7100.EFM022.CPS	EFM 022 CPS / Charged Plate Set



EFM®51-CPS / Charged Plate Set ⚠

Handy device used to measure the effectiveness of ionizers and their offset voltages ⚠



- determines the discharge time of +/-1000 Volts to +/-100 Volts
- Measurement of the voltage potential on a plate electrode attachable to the EFM 51 (75 x 150 mm)
- suitable for use in machines

Scope of delivery:

- EFM 51 electric field meter
- high-voltage generator ± 1200 Volt
- conductive base, charge plate, grounding wire
- plug-in charger for 9 Volt batteries, in addition 9 Volt battery
- manual (German/English)
- factory calibration certificate



Dimensions: 150 x 125 x 75 mm (WxHxD) with base

dpvlink 19850

Article	Type
7100.EFM51.CPS	EFM 51 Electrostatic field meter with Charged Plate Set
7100.EFM51.CPS.SET	Retrofitting set EFM 51-CPS / Charged Plate Set (without EFM 51)



CPM 374 / Charged Plate Monitor



The Charged Plate Monitor CPM 374 measures the voltage potential on its integrated plate electrode. The monitor is suitable to determine the discharge time from a preset voltage threshold to a lower voltage value level. A timer, a high voltage unit and an electric field meter working according to the fieldmill influence principle are integrated. This allows for the necessary high input impedance of  $10^{15}\Omega$  to measure electrostatic voltage potentials and discharge times of air ionizers.

The device complies with the European standard EN 61340-5-1 and the American EOS/ESD S.3.1

The high voltage unit is protected by a high-ohmic resistor and therefore insulated.

Due to its compact design and the battery operation the CPM 374 is ideal for the mobile use in industrial areas. It can also be run in a fixed location by means of its power supply. The CPM 374 is operated via only 2 switches, is menu-driven and therefore very easy to use. All set parameters are shown in the two-line LCD display for a better orientation. The measured positive and negative discharge times as well as the offset voltage are stored in the internal non-volatile EEPROM memory and can be read out later via the serial RS 232 interface.

Scope of delivery:

Power supply unit, grounding wire, conductive carrying case, software, factory calibration certificate and user manual (German/English).

Technical data:

Dimensions:	152 x 152 x 152 mm
Weight:	approx. 990 g
Power supply:	internal supply with battery block 7.2V / 1300mAh (permanently controlled) external supply with power supply unit 12V DC / 750mA
Display:	alpha numeric display 2 lines x 16 characters (100mm x 24mm)

dpvlink 4763

Article	Type
7100.CPM374	CPM 374 / Charged Plate Monitor



### Charged Plate Monitor 280A



Charged Plate Monitor 280A is used to measure the effectiveness of ionizers and their offset voltage

- determination of the discharge time of a pre-selected voltage threshold to a lower voltage value (standard from +/- 1000 Volt to +/- 100 Volt)
- measurement of the voltage potential of an integrated plate electrode (152 x 152 mm) by means of a built-in electric field meter
- storage of measurement data in the CPM
- serial interface to control and to transmit data to the PC
- dimensions: 279 x 229 x 12,7 mm (LxWxH)

dpvlink 16179

Article	Type
7500.280A	Charged Plate Monitor 280A



### Portable Charged Plate Monitor 19494

The portable Charged Plate Monitor 19494 is a handy device for measuring offset voltage and discharge times of air ionizers in compliance with ANSI/ESD SP3.3 and ESD TR53. Due to its compact design and the battery operation, it is ideal for the mobile use in industrial areas. The portable Charged Plate Monitor 19494 is easy to use, and with its 180° tiltable head, it can be used in very difficult to reach areas.



- measurements between  $\pm 1000$  V and  $\pm 100$  V
- AA batteries
- LCD display (reflection-free)
- dimensions 70 x 30 x 174 mm
- 180° tiltable head
- plate dimensions 70 x 32 mm
- NIST calibrated with certification

dpvlink 26670

Article	Type
718-19494	Portable Charged Plate Monitor



### Walking test kits

#### WT 5000.A Walking test kit



The walking test kit is used mainly to measure the body voltage and their graphical presentation.

The A/D converter can present the measurement data of body voltage "online" on the PC or laptop and as a graphic. 

#### Technical data:

**Electrometer WT 5000 (available also as a single instrument):**

Measuring range:	$\pm 5,000$ Volts
Measurement accuracy:	5% of the measured value
Input resistance:	$> 10^{14}$ ohm
Input capacity:	$< 5$ pF
Display:	logarithmic LED display $\pm 500$ V switchable to $\pm 5000$ V, peak hold function
Output	Analog $\pm 5$ V DC for each area
Operating mode:	Batteries (charger included)

#### A/D converter:

Input resistance:	1 MOhm
Interface	USB 2.0 / USB 1.1 (08.2008)
Input voltage:	$\pm 5$ Volts DC
Resolution:	12 Bit
Max. sampling frequency:	15 kHz
Power supply:	via USB interface
Measuring software:	for WINDOWS®

#### Scope of delivery:

- Electrometer WT5000
- A/D converter
- measuring software Digilloscope (CD-ROM)
- rechargeable batteries
- Hand electrode
- measuring cables and connectors
- Conductive carrying case
- User manual
- Factory calibration certificate

dpvlink 4695

Article	Type
7100.WT5000.B	WT 5000 walking test kit incl. A/D converter with USB interface



Analog-to-digital converter



Analog-to-digital converter UAD1, USB stick with BNC connection line

- including data acquisition and evaluation software "Digilloscope" for Windows®

can be used with the following devices:

- WT5000
- ESVM1000
- CPM74

**dpvlink 19756**

Article	Type
7100.UAD1	Analog-to-digital converter



EFM®51 Walking Test Kit



EFM®51 with conductive base and measuring head MK 51. By attaching the measuring head MK 51 EFM can be used for the verification measurement of the body voltage (walking test)® according to IEC 61340-4-5. The measuring head MK 51 is specially calibrated to the EFM®51. The positive and negative "PEAK" value of the measured body voltage is displayed

Scope of delivery:

- EFM®51 with measuring head MK 51
- Conductive case
- Conductive base
- Measuring lead and hand electrode

**dpvlink 19761**

Article	Type
7100.EFM51.WT	EFM®51 Walking Test Kit



LCR Tester / LED tester

SMART TWEEZERS LCR multimeter



Digital, automatic LCR measuring instrument, integrated in a pair of handy tweezers, for quick measurement of small SMD components. Light, ergonomic measuring head, automatic setting of component type and measuring range, multifunctional display showing the measurement parameters. Voltage range of 0.8-8V, measured parameters: C, L, R, ESR, RS, RP

Technical data

Working temperature: 0°C to + 55°C

Dimensions: 14.0 x 2.5 x 3.0 cm (3.94 x 0.9 x 1.5 inches)

Weight: 53 g (0.11lb)

Measured parameters: C + R (EPR), L + R, R

Measured frequency: 100 Hz, 1 kHz, 10 kHz

Measurement rate: 4.0, 2.1, 0.5 per second (default I)

DC voltage: 0 to 800 mV (up to 8 V with manual setting)

Resistance: 0.1 to 5 MOhm

Capacity: 1 pF to 4999 µF (1 pF - 5 pF m.) (with manual setting)

Inductive resistance: MH 1 µH to 499 (1 µH - 4 µH m.) (with manual setting)

Resistance:

Measuring range: 10 Ohm - 5 MOhm

Accuracy: 1% + 0.02 in the measuring range of 10 Ohm - 5 MOhm

Test frequency: 1 kHz

Capacity:

Measuring range: 20pF - 4999µF

Accuracy: 3% + 1.7pF \* typical deviation 1.6pF at 0402 part size

Resolution: 0.1pF in the measuring range of 1pF - 100 PF

Test frequency: 1 kHz C > 1000pF, 10 kHz C < 1000pF, 100 Hz C > µF

Inductive resistance:

Measuring range: 10µH - 499mH

Accuracy: 3% + 0 4µH \* typical deviation 1.4µH at 0402 part size

Resolution: 0 0.46 in the measuring range of 0.46 - 100µH

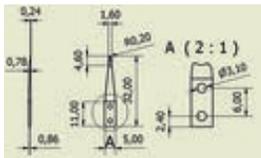
Test frequency: 10 kHz L 1 kHz L < 1mH > 1mH, 100 Hz L < 10mH

**dpvlink 10022**

Article	Type
ST-5S	SMART TWEEZERS ST-5 incl. rechargeable LiPo battery



### Exchangeable tips set standard



Exchangeable tips set standard (replacement tips) for Smart Tweezers

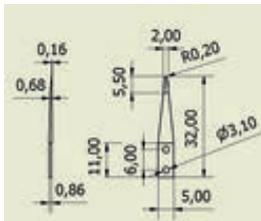
[dpvlink 13334](#)

Article



 ST5-IT-T **Exchangeable tips set standard for ST-5**

### Exchangeable tips High Precision Sharp



Exchangeable tips set High Precision Sharp (replacement tips) for Smart Tweezers

[dpvlink 13340](#)

Article



 ST5-IT-TSH **Exchangeable tips High Precision Sharp for ST-5**

### SMART TWEEZERS Iskra ST5-LED



Automatic, adaptive SMD LED tester with a precise and gold-plated pair of tweezers. Smart Tweezers® Iskra™ is a specialized solution for testing and verification of SMD and throughhole LEDs.

Comfortable one-hand operation, automatic LED polarity detection, forward drop voltage display, adjustable preset test current.

#### Technical data

*Operating temperature:* 0°C to +55°C

*Dimensions:* 15.0 x 1.8 x 1.5 cm (5.9 x 0.7 x 0.6 inch)

*Weight:* 30 gr (1 oz)

*Test current:* 1,2, 5, 10, 20, 30 mA

*Duty cycle:* 10, 20, 30, 40, 50%

*Test signal:* 5 Volt (max)

*Test current pulse duration:* 10 to 1000 msec

*Battery type:* LiPo, 180 mAh, 20 hours (continuous use)

*Charging cycle:* 5 Volt, 50 mA direct current, 3 hours

[dpvlink 19484](#)

Article Type



ST-5.LED **SMART TWEEZERS Iskra ST-5**  
incl. rechargeable LiPo battery

### Ionizing equipment

#### Ion 6422e - mobile ionizer





- Neutralization of electrostatic charges in jobs 
- Coverage 300 x 1200 mm
- Bench top model
- Ion balance  $\pm 20$  V
- Effective range 300 mm
- Dimensions (WxHxD): 83 x 111 x 63 mm

- space-saving model for difficult-to-reach areas
- auto clean system (cleans the emitter points each time the unit powers down)
- voltage 24V DC / 24V 50-60 Hz

[dpvlink 18050](#)

Article Type



7500.6422 ION 6422e - mobile ionizer  
7500.6422.N Power supply for ION type 6422

#### Ionizing blower 5802i CXL - mobile tabletop model





- neutralization of static charges / little space required 
- directed air flow for excellent discharge times and good performance
- coverage 30 x 150 cm
- self-balancing of the offset voltage to  $\pm 3$ V (with optional external feedback system an ion balance of  $\pm 1$ V can be achieved)
- response to the internal control system by a sensor placed in the target area

- quicker reaction to ionizing errors, information via FMS
- connection of the control box with an optional feedback system and FMS interfaces
- suitable for the installation in narrow, difficult-to-reach areas without any additional connection or cables
- ozone generation  $<0.008$  ppm (distance 15 cm)
- ISO 4 / cleanroom class 10
- dimensions: 115 x 83 x 61 mm (WxHxD)

[dpvlink 24155](#)

Article Type



7500.CXL **Ionizing blower 5802i CXL - mobile tabletop model**  
Tabletop model, 24V DC / with power supply unit

#### minION2 - Portable ionizer





- Neutralization of electrostatic charges / needs little space (e.g. pick and place machines) 
- air intake from the top, the side and the back (standard version)
- Coverage 30 x 150 cm
- 2-step blower with off-switch
- Self-balancing of the offset voltage  $\pm 10$  V
- Ionization based on high voltage (AC voltage)
- Ozone generation 0,005 ppm (distance 15 cm)
- ISO 7 / cleanroom class 10000
- Dimensions (WxHxD): 98 x 136 x 60 mm
- also suitable for the installing in machines

[dpvlink 4829](#)

Article Type



7500.M2 **minION2 - Portable Ionizer**  
Table-top model, 24V DC / without power supply unit (ISO 7 / cleanroom class 10000)

7500.M2.plus **minION2 - Portable Ionizer**  
Table-top model, 24V DC / incl. power supply unit (ISO 7 / cleanroom class 10000)

7500.M.S **Spring joint arm for minION**  
incl mounting bracket

**Aerostat PC 2 - mobile table model**



- Neutralization of electrostatic charge at workstations ⚠
- Voltage 100-240 V /50-60 Hz
- Coverage 30 x 122 cm
- integrated cleaning brush for emitter electrodes
- optionally available with heating and acoustic alarm
- Self-balancing of the offset voltage  $\pm 10$  V
- Ionization based on high voltage (AC voltage technology)
- Ozone generation 0.05 ppm (distance 305 mm)
- Dimensions: 173 x 231 x 84 mm (WxHxD)

dpvlink 23216



Article	Type
7500.PC2	<b>Aerostat PC 2 - mobile table model</b> without filter
7500.PC2.A	<b>Aerostat PC 2 - mobile table model with alarm</b> mobile table model with alarm, without filter
7500.PC2.H	<b>Aerostat PC 2 - mobile table model with heating</b> mobile table model with alarm connectable heating element without filter
7500.PC2.HA	<b>Aerostat PC 2 - mobile table model heating/alarm</b> mobile table model with connectable heating element and alarm without filter
7500.PC2.Z20	<b>Air filter kit for Aerostat PC 2</b> (bracket/cover without filter insert)
7500.PC2.Z21	<b>Replacement filter for Aerostat PC 2</b> (PU = 6 pieces)

**Aerostat XC Table-top ionizer**



- Neutralization of electrostatic charges at workplaces ⚠
- Coverage 90 x 180 cm
- built-in brush for cleaning emitter electrodes
- three-speed blower with switchable heater (pleasant air temperature)
- Self-balancing of the offset voltage  $\pm 5$  V
- Ionization based on high voltage (AC voltage technology)
- Ozone generation 0.005 ppm (distance 15 cm)
- ISO 7 / cleanroom class 10000
- Dimensions: 390 x 207 x 115 mm (WxHxD)

dpvlink 4811



Article	Type
7500.XC	Aerostat XC
7500.XC.Z10	Air filter complete for the Aerostat XC
7500.XC.Z11	Air filter element for Aerostat XC

**Aerostat XC 2 - tabletop model**



- designed for a complete neutralization of static charges all over the working surface ⚠
- coverage 91.5 x 180 cm
- easy-to-use integrated emitter cleaner
- built-in heater for warm air flow
- local alarm LEDs, connection for facility monitoring system (FMS) and optional acoustic alarm
- low weight (3.5 kg) allows easy mounting on or above the working surface
- self-balancing („Micropulse“) technology  $\pm 10$  V
- ionization based on high voltage (AC voltage)
- ozone generation <0.05 ppm (30 cm in front of blower)
- meets ISO 14644-1 Class 6 (Fed Std. 209E Class 1000)
- dimensions: 359 x 183 x 166 mm (WxHxD)

dpvlink 22803



Article	Type
7500.XC2	Aerostat XC2

**Benchtop Air Ionizer 9110**



Benchtop Air Ionizer 9110 with automatic emitter point cleaner

- Variable fan speed adjustment
- Power-on indicator lamp
- Steady-State (DC) ionisation
- High-speed where rapid neutralization is required
- Automatic emitter point cleaner

**Product specifications**

Operating voltage:	220 V/230 V; 0,12 A; 20 W, 50 / 60 Hz
Emitter Point cleaning:	Interval: 1 time / h (4 cycles each time)
Indicators:	LED: Green power ON
Decay time:	< 2 sec (Max. fan speed), measurement taken 30 cm from fan
Balance voltage:	+/- 15V (Max. fan speed), measurement taken 30 cm from fan
Air flow:	max 3.05 m <sup>3</sup> / min
Ozone Level:	< 0.05 ppm
Certifications:	CE, RoHS (EU), Reach, RoHS (China)
Dimensions / Weight:	225 x 180 x 110 mm (H x W x D) / 1.3 kg

dpvlink 18010



Article	Type
3M-9110	<b>Benchtop Air Ionizer 9110</b>

### Benchtop air ionizer 963E



Portable table-top ionizer

- 2-step blower with off-switch
- Self-balancing of the offset voltage  $\pm 15$  V
- Steady State DC ionization

<b>Operating voltage:</b>	220 V/230 V; 0,12 A; 20 W
<b>Frequency:</b>	50/60 Hz
<b>Power supply:</b>	IEC 320 socket
<b>Power cable:</b>	1.8 m cable with Euro plug and IEC 320
<b>Dimensions:</b>	15.2 cm x 18.8 cm x 7.6 cm
<b>Weight:</b>	1.1 kg
<b>Air speed:</b>	Low speed - 0.5 m/s High speed - 1.5 m/s
<b>Discharge time:</b>	30 cm distance < 1 sec. at high fan speed <i>(according to ANSI/ESD S3.1 1991)</i> 91 cm distance < 5 sec. at high fan speed

**dpvlink** 14073

Article	Type
3M-963E	<b>Benchtop air ionizer</b>



### BlueLine Table-top ionizer AB-40



- Neutralization of electrostatic charges at workstations 
- Blower with switchable heating element (pleasant air temperature)
- Self-balancing of the offset voltage  $\pm 10$  V or less
- Ionization based on high voltage (AC voltage technology)
- Ozone generation 0.004 ppm
- Dimensions: 476 x 198 x 170 mm (WxHxD)

**dpvlink** 11052

Article	Type
7501.AB-40	BlueLine table-top ionizer



### BlueLine - AB 21H Mobile table-top ionizer



- Neutralization of electrostatic charges, small footprint
- Integrated, steplessly adjustable blower; with on/off switch
- Voltage 230 V / 50 Hz
- Discharge time approx. 1.4 sec
- Ion balance  $\pm 5$  V
- Weight 1300 g
- Dimensions L x W (T) x H 180 x 80 x 190 mm

**dpvlink** 11049

Article	Type
7501.AB-21H	BlueLine - mobile table-top ionizer



### BlueLine - AB-10H Mobile ionizer



- Neutralization of electrostatic charges, needs little space
- integrated, steplessly adjustable blower
- Voltage 230V/50 Hz
- Discharge time approx. 1.4 sec
- Ion balance  $\pm 5$  V
- Weight 650 g
- Dimensions L x W (T) x H 140 x 58 x 140 mm

**dpvlink** 11047

Article	Type
7501.AB-10H	BlueLine mobile ionizer



### BlueLine - AB-120H Overhead model



- Neutralization of electrostatic charge at workstations by overhead mounting
- Self-balancing of the offset voltage  $\pm 5$  V
- Blower consisting of three fans with stepless speed control
- Easy assembly and disassembly of the ventilation grilles to clean the electrodes

**dpvlink** 11050

Article	Type
7501.AB-120H	<b>BlueLine - overhead model</b> with 3 fans, 24V DC / 230V / 50 Hz



### Ionizing blower 5810i - overhead model

**SIMCO ION** 



- Neutralization of electrostatic charges at workplaces by "overhead" mounting 
- Coverage 61 x 122 cm
- built-in brush for cleaning emitter electrodes
- 3-speed blower
- optional sensor input, FMS connection, alarms and control
- improved control with immediate alarm and prevention of an unauthorized adaptation of performance of blower speed
- self-balancing of the offset voltage to  $\pm 3$  V (with optional external feedback system an ion balance of  $\pm 1$  V can be achieved)
- Ionization based on high voltage (AC voltage technology)
- Ozone generation 0.02 ppm (distance 30 cm)
- ISO 4 / cleanroom class 10
- Dimensions: 7500.C32X-E: 155 x 96 x 813 mm (WxHxL)  
7500.C40X: 155 x 96 x 1016 mm (WxHxL)

**dpvlink** 24158

Article	Type
7500.C32X-E	<b>Ionizing blower 5810i - overhead model</b> with 2 fans (ISO 4) 155 x 96 x 813 mm (WxHxL)  (cable not included in the scope of delivery)



7500.C32X.N 7500.C40X	<b>Power cable for ionizing blower 5810i</b> <b>Ionizing blower 5810i - overhead model</b> with 3 fans (ISO 4) 155 x 96 x 1016 mm (WxHxL)  (cable not included in the scope of delivery)
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**Aerostat GUARDIAN - Overhead Ionizer** SIMCO ION



- Neutralization of electrostatic charges at workstations by "overhead" mounting ⚠
- Coverage 60 x 120 cm
- built-in brush for cleaning emitter electrodes
- Blower consisting of three fans with variable speed control and switchable heater (pleasant air temperature)
- separately switchable, built-in workplace lighting (2 x 13 watt fluorescent tubes)
- Self-balancing of the offset voltage  $\pm 5$  V
- Ionization based on high voltage (AC voltage technology)
- Ozone generation 0.02 ppm (distance 30 cm)
- ISO 7 / cleanroom class 10000
- Dimensions: 1086 x 102 x 171 mm (WxHxD)

dpvlink 4822



Article	Type
7500.G	Aerostat GUARDIAN - Overhead Ionizer
7500.G.Z10	Air filter frame
7500.G.Z11	Air filter element / replacement (PU 6 pieces)

**Top Gun TG3 / TG3 with Side Kick** SIMCO ION



- Neutralization of electrostatic charges during cleaning ⚠
- very light and ergonomic air gun
- Air supply by compressed air system (range 1 to 6.8 bar)
- Application in the electronics industry as well as in cleanrooms
- Replaceable filter (0.01 microns) at the air outlet guarantees "purest air"
- Air flow adjustable by valve in the air gun
- Self-balancing of the offset voltage  $0 \pm 15$  V
- Ionization based on high voltage (AC voltage technology)
- Ozone generation 0.001 ppm (distance 45 cm)
- Air gun / hose / cable dissipative
- ISO 6 / cleanroom class 1000
- Controller dimensions: 132 x 85 x 164 mm (WxHxD)

dpvlink 4872



Article	Type
7500.TG3	Top Gun TG3
7500.TG3.SK	Top Gun TG3 with Sidekick (foot switch)
7500.TG3.42	Top Gun TG3 - 4.2 m cable
7500.TG3.Z1-2	Filter Nozzle Set for Top Gun TG3

**orION / orION with Sidekick** SIMCO ION



- Neutralization of electrostatic charges during cleaning ⚠
- Air supply via compressed air system (range 1 to 6.8 bar)
- Application in the electronics industry as well as in cleanrooms
- Replaceable filter (0.01 microns) at the air outlet guarantees "purest air"
- Self-balancing of the offset voltage  $0 \pm 15$  V
- Ionization based on high voltage (AC voltage technology)
- Ozone generation 0.001 ppm (distance 45 cm)
- air gun / hose / cable dissipative
- ISO 5 / cleanroom class 100
- Controller Dimensions: 132 x 85 x 164 mm (WxHxD)

**Two versions:**

**orION**

Ionizer with free-mountable air nozzle for external control (e.g. via machine control, proximity switch etc.)

**orION with Sidekick (foot switch)**

Ionizer with flexible "gooseneck" and foot switch

dpvlink 4890



Article	Type
7500.O	orION Ionizer
7500.O.SK	orION with Sidekick (foot switch)

**ION 6115 AirForce** SIMCO ION



- Neutralization of electrostatic discharge during cleaning ⚠
- Ergonomic gun design
- Flexible, light air hose / power cable low voltage
- High blow-off power
- IsoStat® technology
- Durable dissipative materials
- Ozone generation  $< 0.005$  ppm
- Self-balancing of the offset voltage  $\pm 30$  V
- Maximum pressure: 7.0 bar
- Dimensions:  
gun 203 x 25 x 76 mm (LxWxH); console 216 x 41 x 76 mm (LxWxH)

dpvlink 16172



Article	Type
7500.6115	ION 6115 AirForce
7500.6115.N	Power supply unit for ION 6115 AirForce
7500.6115.SWT	Foot switch für ION 6115 AirForce

### BlueLine - AG HP02 Ionizing gun



- Neutralization of electrostatic charges during cleaning ⚠
- Application in the electronics industry as well as in cleanrooms
- Self-balancing of the offset voltage to  $0 \pm 10$  V
- Status message by 2 LED
- built-in air valve electrical
- integrated air filter 0.01  $\mu$ m
- built-in, adjustable air volume throttle
- Ozone generation  $< 0.01$  ppm
- Operating voltage 230V / 50 Hz
- Lighter and smaller
- Weight 106 g

**dpvlink 11054**

Article	Type
7501.AG-HP02	<b>Blue line - ionization gun</b> incl. controller and power supply unit



### ECO Gun



- Neutralisation of electrostatic charges ⚠
- for cleaning plastic parts
- No power supply needed
- Triggered by button on the gun grip
- Self-balancing  $0 \pm 10$  V
- Ionization based on high-frequency AC voltage (HF-AC)
- Piezoceramic high-voltage converter
- Low maintenance
- High-voltage monitor with LED display
- Airflow adjustable through throttle valve
- Connection to compressed air quick coupling

**dpvlink 19763**

Article	Type
7530.IG	ECO Gun



### Ionized air gun 980E



- Power supply:** 230 V
- Input voltage:** 24 V  $< 10$  W
- Ion output:** Steady state
- Operating characteristics:** Discharge time (1000 V to 100 V):  
*(according to ANSI/ESD S3.1)*  $< 0.5$  sec. @ 150 mm, 1 bar
- Ion balance:** 0  $\pm 30$  V
- Operating noise:** 73 dB @ 1 m, 1 bar
- Ozone:**  $< 0.005$  ppm (24 hour accumulation)
- Conducted EMI:** 29 dB (mV, 100 kHz up to 1.1 MHz) operating unit
- Type:** dissipative, rigid polycarbonate
- Dimensions:** 21.6 cm x 7.6 cm x 4.1 cm
- Weight:** 326 g
- Gas input:** up to 2 bar clean dry air or nitrogen
- Air connections:** 0.64 cm standard
- Electricity:** RJ-11 telephone connection hand unit
- Type:** dissipative polycarbonate
- Size:** 20.3 cm x 7.6 cm x 2.5 cm
- Weight:** 341 g with 2.13 m cable
- Emitter points:** Tungsten alloy  
Air hose
- Cable:** 2.13 m; 9 mm diameter
- Filter effectiveness:** 99.9% at 0.1 micron particle size

**dpvlink 14075**

Article	Type
3M-980E	<b>Ionized air gun</b>
3M-980E-X	<b>Exchangeable wall transformer</b>
3M-980F	<b>Exchangeable air filter</b> 3 filters per pack
3M-980T	<b>Exchangeable nozzle tip</b>



**BlueLine - Ion spray can, HP02 / HP02-PE / nozzle attachment**



- Neutralization of electrostatic charge in machines
- with light barrier (7501.AN-HP02.PE)
- Ionization based on high voltage (AC voltage technology)
- Self-balancing of the offset voltage  $\pm 10$  V
- Very low space requirements
- Ozone generation  $< 0.01$  ppm
- Operating voltage 24 V DC
- Dimensions: 87 x 29 x 50 mm (L x W (T) x H)

dpvlink 11056



Article	Type
7501.AN-HP02	<b>BlueLine - Ion spray nozzle</b>
7501.AN-HP02.PE	<b>BlueLine - Ion spray nozzle with light barrier with light barrier</b>
7501.OP-60S	<b>Nozzle attachment</b> 60° Standard
7501.OP-B.100	<b>Nozzle attachment</b> Air nozzle bar 100 mm long
7501.OP-B.200	<b>Nozzle attachment</b> Air nozzle bar 200 mm long
7501.OP-B.300	<b>Nozzle attachment</b> Air nozzle bar 300 mm long
7501.OP-B.400	<b>Nozzle attachment</b> Air nozzle bar 400 mm long
7501.OP-D.100	<b>Nozzle attachment</b> flexible nozzle 100 mm long, $\varnothing$ 10 mm
7501.OP-D.200	<b>Nozzle attachment</b> flexible nozzle 200 mm long, $\varnothing$ 10 mm
7501.OP-D.300	<b>Nozzle attachment</b> flexible nozzle 300 mm long, $\varnothing$ 10 mm
7501.OP-D.400	<b>Nozzle attachment</b> flexible nozzle 400 mm long, $\varnothing$ 10 mm
7501.OP-D.500	<b>Nozzle attachment</b> flexible nozzle 500 mm long, $\varnothing$ 10 mm
7501.OP-P	<b>Nozzle attachment</b> Tube nozzle 50 mm long, $\varnothing$ 6 mm
7501.OP-S	<b>Nozzle attachment</b> 15° Standard
7501.OP-T	<b>Nozzle attachment hose adapter</b> Hose adapter

**Test pin TensionION**



The TensionION test pin facilitates an easy check of ionizing instruments.

Non-contact testing of present high voltage. The tip of the TensionION test pin illuminates when high voltage is detected. The presence of high voltage is the essential requirement for the operation of the ionizers.

dpvlink 16177



Article	Type
7500.TENSION	Test pin TensionION

**Ionizer Tester type CPM35 for verification tests**



CPM 35 is a handy measuring device used for a fully automatic verification of ionizers at the ESD workstation of in machines. It measures positive and negative discharge as well as offset voltage and can also used for a periodic measurement of personnel charging (Walking Test).



Scope of delivery:

- Ionizer Tester CPM35
- 9 V lithium battery
- grounding wire
- carrying bag
- quick guide DE/EN
- factory calibration certificate DE/EN

Optional:

Rubber protective cover with foldable foot for CPM35



CPM35 has two test ranges:

**Decay:**

- verifies the decay time from  $\pm 250$  V to  $\pm 100$  V
- verifies after successful testing of the decay time if the "offset voltage" remains below 35 V for 10 seconds

**Offset/BVT:**

- this mode shows permanently the current measured value in the upper display line
- the maximal values of each polarity are displayed in the lower line

Offset measurement:

for the verification of the offset voltage of ionizers

BVT:

Body Voltage Test - the device can display very easily the body voltage of a person during a walking test (for this purpose the finger of the person has to touch the measuring electrode)

dpvlink 23242



Article	Type
7100.CPM35	CPM 35 Ionizer Tester
7100.CPM35.H	CPM 35 Rubber case with foot

### WIM 47 Ionizer Monitor

WIM 47 is a handy monitoring device to monitor fully automatically the ionization at an ESD workstation or in machines. The positive and negative discharge time as well as the offset voltage are permanently monitored. In case of alarm there is an acoustic and optical signal. A switch output will shut off the ionizer in case of failure (e.g. via the Switch Box 7100.WIM47.SB) or give an alarm signal to a superordinate control.

Optional:  
Switch Box regulating the power supply of the connected ionizer via relay contact



**Scope of delivery:**  
1 x Ionizer monitor WIM 47  
1 x plug-in power supply with exchange adapter (EU/USA)  
1 x grounding cable  
1 x quick guide

[dpvlink 23245](#)

Article	Type
7100.WIM47	WIM 47 Ionizer Monitor
7100.WIM47.SB	WIM 47 Switch Box



### Electric field meter and air ionizer type 718



The electric field meter typ 718 is a light and handy device used to measure static fields and charges of objects. The meter can measure voltages between 0 and +19.99 kV. The electric field meter can be used to recognize quickly and reliably sources of danger caused by static charge.

**Technical data:**

Dimensions:	2.4 x 7.0 x 12.5 cm
Weight:	140 g (with battery)
Power requirements:	1 x 9V alkaline battery
Measuring ranges:	0-2 kV low range 0-20 kV high range
Voltage indicator:	3.5-digit LCD display
Distance:	2.5 cm (measuring distance control supported by LED destination points)
Measurement accuracy:	within 5% of the actual voltage
Certificates:	CE



The air ionizer test kit type 718 allows for the control of the effectiveness and functioning of air Ionizers. The test kit consists of the electric field meter typ 718, a plate electrode attachable to the electric field meter and a high-voltage generator.

**Technical data:**

Dimensions air ionizer :	2.8 x 6.6 x 11.4 cm
Dimensions plate electrode:	7.5 x 3.0 cm
Weight:	140 g (with battery)
Power requirements:	1 x 9V alkaline battery
Measuring ranges:	0-2 kV low range 0-20 kV high range
Certificates:	CE

[dpvlink 26340](#)

Article	Type
718-19442	<b>Electric field meter type 718</b>
718-19440	<b>Accessory set air ionizer type 718</b> Accessory kit for air ionizer kit consisting of: <ul style="list-style-type: none"> <li>• attachable plate electrode</li> <li>• high-voltage generator</li> </ul>
718-19443	<b>Air ionizer test kit type 718</b> Test kit consisting of: <ul style="list-style-type: none"> <li>• 718-19942 electric field meter</li> <li>• 718-19440 air ionizer with attachable plate electrode and high-voltage generator</li> </ul>



ESD Swivel chairs EPAchair®



**EPAchair® ESD work swivel chairs** assure ergonomics and ESD safety at the workstation. A careful material selection of materials and components ensures **high quality**. A selection of different upholstery materials and colors allows for an optimal integration of the EPAchair models into diverse working environments. You can choose between different models, starting from the climbing aid to the ergonomic work swivel chair. All models of the EPAchair® series are **ESD-compliant according to DIN EN 61340-5-1** ⚡



All models of the der EPAchair® ESD work swivel chairs are produced in Germany



**Highlights EPAchair® swivel chairs**

1. Adjustable seat tilt
2. Different ESD upholstery covers
  - ESD Dralon fabric
  - ESD SKAI synthetic leather
  - conductive PU solid material
3. Adjustable seat depth
4. Dissipative seat outer shell
5. Made in Germany
6. Weight up to 130 kg
7. Dissipative safety double castors or glides
8. ESD-compliant according to DIN EN 61340-5-1 ⚡
9. Adjustable seat height
10. Multifunctional armrest (optional)
11. Dissipative back outer shell



**Information about the ESD swivel chairs EPAchair®** is clearly summarized in the current leaflet available

- as online catalog
- as download
- as printed version (only German)



**Fabric dralon® ESD**

available in:

- black
- anthracite
- blue
- medium blue

**Advantages**

- soft and comfortable
- breathable
- washable

**Synthetic leather skai® ESD**

available in:

- black

**Advantages**

- soft and comfortable
- washable
- insensitive to oil
- hard-wearing

All upholstery types comply with the ESD standard DIN EN 61340-5-1 ⚡



**ESD-safe**

In compliance with the ESD standard DIN EN 61340-5-1



**Weight control**

Individual adjustment of the counter-pressure of the backrest to the body weight



**Seat height adjustable**

with gas spring up to 83 cm depending on model



**Asynchronous mechanism**

Tilt angles of backrest and seat surface can be adapted independently



**Seat depth adjustable**



**Upholstery dralon® ESD**

available with cover of conductive fabric dralon® ESD (DIN EN 61340-5-1)



**Seat tilt adjustable**

promotes ergonomic posture



**Upholstery synthetic leather skai® ESD**

available with cover of conductive synthetic leather skai® ESD (DIN EN 61340-5-1)



**Backrest height adjustable**

Backrest height adjustable according to the body height



**Upholstery of polyurethane ESD**

Conductive upholstery of polyurethane ESD (DIN EN 61340-5-1)



**Permanent contact backrest**

allows for a permanent contact between backrest and back



**Made in Germany**

All EPAchair® ESD swivel chairs are produced in Germany

EPAchair® - Modellübersicht



	ESD-Drehstuhl Classic Economy	ESD-Drehstuhl Classic Ergonomic	ESD-Drehstuhl Classic Comfort	ESD-Drehstuhl Comfort 5000	ESD-Drehstuhl PU 1400	ESD-Drehstuhl PU 1405 / 1410
						
Sitz: höhenverstellbar	Stufenlos 43 - 55 cm	Stufenlos 43 - 55 cm	Stufenlos 43 - 55 cm 46 - 59 cm (Comfort-plus) 57 - 83 cm (Hochstuhl)	Stufenlos 46 - 59 cm	Stufenlos 41 - 54 cm	Stufenlos 43 - 56 cm 57 - 83 cm (Hochstuhl)
Sitz: tiefenverstellbar	-	-	✓ Nur Comfort-plus 023.2604	✓	-	-
Sitz: neigeverstellbar	-	✓	✓	✓	-	✓
Sitz: Grösse Sitzfläche	46 x 44 cm	47 x 44 cm	47 x 44 cm 50 x 45 cm (Comfort-Plus)	50 x 45 cm	43 x 40 cm	46 x 40 cm
Lehne: höhenverstellbar	✓ Stufenlos	✓ Stufenweise	✓ Stufenweise	✓ Stufenweise	✓ Stufenweise	✓ Stufenweise
Lehne: neigeverstellbar	✓	✓	✓	✓	✓	✓
Lehne: Rückenlehnenhöhe	ca. 40 cm	ca. 40 cm ca. 50 cm	ca. 40 cm ca. 50 cm	ca. 55 cm	ca. 32 cm	ca. 29 cm
Asynchrontechnik	-	✓	✓	✓	-	✓
Permanentkontaktrückenlehne	-	✓	✓	✓	-	✓
Gewichtsregulierung: einstellbarer Rückenlehnen-Gegendruck	-	✓	✓	✓	-	✓
Poliertes Aluminium-Fusskreuz	✓	✓	✓	✓	✓	✓
ESD-Schutz: leitfähige Polsterung	✓	✓	✓	✓	✓ PU	✓ PU
ESD-Schutz: ableitfähige Rollen/ Gleiter	✓	✓	✓	✓	✓	✓
ESD-Schutz: ableitfähiger Rücken / Rückenaussenschale	✓	✓	✓	✓	✓	✓
ESD-Schutz: ableitfähiger Sitz / Sitzaussenschale	✓	✓	✓	✓	✓	✓

	ESD-Stehhilfe PU Fusskreuz	ESD-Stehhilfe PU Fusssteller	ESD-Drehhocker 1300 / 1301 / 1320	ESD-Drehhocker PU 1390 / 1392	ESD-Sattelhocker 1350	ESD-Aktiv-Stehhilfe 1700 Ergo
						
Sitz: höhenverstellbar	Stufenlos 57 - 83 cm	Stufenlos 57 - 83 cm	Stufenlos 43 - 56 cm 57 - 83 cm (Hochhocker)	Stufenlos 43 - 56 cm 57 - 83 cm (Hochhocker)	Stufenlos 44 - 57 cm	Stufenlos 61 - 90 cm
Sitz: neigeverstellbar	✓ Nur Comfort 023.1505.PU-ESD stufenlos 20°	✓ Nur Comfort 023.1505.PU-ESD stufenlos 20°	✓ Nur 1301 Ergo 023.1301 3D-Wippfunktion bis zu 12°	-	-	✓ Elastische Lagerung des Standrohrs
Sitz: Grösse Sitzfläche	35 x 24 cm	35 x 24 cm	Ø 40 cm	Ø 32 cm	40 x 42 cm	37 x 30 cm
Poliertes Aluminium-Fusskreuz	✓	Fusssteller	✓	✓	✓	✓
ESD-Schutz: leitfähige Polsterung	✓ PU	✓ PU	✓	✓ PU	✓	✓
ESD-Schutz: ableitfähige Rollen/ Gleiter	✓	Verchromter Fusssteller	✓	✓	✓	✓

ESD Swivel chair Comfort 5000



- Stepless seat height adjustment by safety gas spring, seat height approx. 46 -59 cm
- **Seat adjustable in tilt and depth**
- Seat surface 50 x 45 cm
- Backrest adjustable in height (steplessly) and tilt
- Backrest height approx. 55 cm
- Individual asynchronous adjustment of seat and backrest
- Permanent contact backrest
- Weight regulation adjustable with rotary knob
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 ⚠
  - conductive upholstery
  - dissipative safety double castors
  - **dissipative back outer shell**
  - **dissipative seat outer shell**



dpvlink 20722  
 Article Type  
 023.5000 ESD Swivel chair Comfort 5000

Accessories Comfort 5000



dpvlink 20933  
 Article  
 023.2474-ESD Multifunction armrest ESD for swivel chair Comfort 5000 Plastic black (set = 2 pieces)

ESD Swivel chair CLASSIC Comfort



- Stepless seat height adjustment by safety gas spring, seat height approx. 43 -55 cm / 57 - 83 cm
- Seat adjustable in tilt
- Seat surface 57 x 44 cm
- Version Comfort-plus with adjustable seat depth and larger seat surface 50 x 45 cm
- Backrest adjustable in height (steplessly) and tilt
- Backrest height approx. 40 cm / 50 cm
- Individual asynchronous adjustment of seat and backrest
- Permanent contact backrest
- Weight regulation adjustable with rotary knob
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 ⚠
  - conductive upholstery
  - dissipative safety double castors
  - **dissipative back outer shell**
  - **dissipative seat outer shell**

Model Comfort-plus with seat depth adjustment and larger seat surface



dpvlink 14583  
 Article Type  
 023.2600 ESD Swivel chair CLASSIC Comfort



Seat height: 43-55 cm  
 Backrest height approx. 40 cm  
 dissipative safety double castors for hard surfaces

dpvlink 14583

Article  
Type



023.2603 **ESD Swivel chair CLASSIC Comfort**  
Seat height: approx. 43 - 55 cm  
Backrest height approx. 50cm  
dissipative safety double castors for hard surfaces



023.2604 **ESD Swivel chair CLASSIC Comfort-plus**  
Seat height: approx. 46 - 59 cm  
Seat surface 50 x 45 cm  
Backrest height approx. 50 cm  
seat depth adjustment  
dissipative safety double castors for hard surfaces



023.2620 **ESD Swivel chair CLASSIC Comfort**  
High chair with seat height: approx. 57-83 cm  
Backrest approx. 40 cm  
Height-adjustable foot ring  
dissipative glides

Accessories series CLASSIC



dpvlink 14896

Article



023.2462-ESD **Multifunctional armrest ESD**  
for swivel chair CLASSIC Comfort  
plastic black (set = 2 pieces)



023.2463-ESD **Multifunctional armrest ESD**  
for swivel chair CLASSIC Comfort-plus  
plastic black (set = 2 pieces)



023.2490-ESD **ESD castors soft for hard floors**  
Set = 5 pieces



023.2495-ESD **ESD castors hard for soft floors**  
Set = 5 pieces



023.2499-ESD **ESD glides**  
Set = 5 pieces



023.2480 **Extended gas spring (extra charge)**  
Extension  
seat height 51-68 cm with series  
Classic  
seat height 55-73 cm with Classic  
Comfort-plus and DPV Comfort 5000  
lift approx. 200 mm

ESD Swivel chair CLASSIC Ergonomic



- Ergonomically shaped, disk-friendly seat surface
- Stepless seat height adjustment by safety gas spring, seat height approx. 43 -55 cm
- Seat adjustable in tilt
- Seat surface 47 x 44 cm
- Backrest adjustable in height (stepwise) and tilt
- Backrest height approx. 40 cm / 50 cm
- Individual asynchronous adjustment of seat and backrest
- Permanent contact backrest
- Weight regulation adjustable with rotary knob
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 
  - conductive upholstery
  - dissipative safety double castors
  - **dissipative back outer shell**
  - **dissipative seat outer shell**



dpvlink 14582

Article Type



023.2700 **ESD Swivel chair CLASSIC Ergonomic**  
backrest approx. 40 cm  
dissipative safety double castors for hard surfaces

023.2703 **ESD Swivel chair CLASSIC Ergonomic**  
backrest approx. 50 cm  
dissipative safety double castors for hard surfaces

Accessories CLASSIC Ergonomic



dpvlink 20932

Article



023.2461-ESD **Multifunctional armrest ESD**  
for swivel chair CLASSIC Ergonomic  
plastic black (set = 2 pieces)

ESD Swivel chair CLASSIC Economy



- Stepless seat height adjustment by safety gas spring, seat height approx. 43 -55 cm
- Seat surface 46 x 44 cm
- Backrest adjustable in height (stepless) and tilt
- Backrest height approx. 40 cm
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 ⚠
  - conductive upholstery
  - dissipative safety double castors
  - **dissipative back outer shell**
  - **dissipative seat outer shell**



dpvlink 14581

Article	Type	QR
023.2500	<b>ESD Swivel chair CLASSIC Economy</b> dissipative safety double castors for hard surfaces	

Accessories CLASSIC Economy



dpvlink 20931

Article	Type	QR
023.2460-ESD	<b>Multifunctional armrest ESD</b> for swivel chair CLASSIC Economy plastic black (set = 2 pieces)	

ESD swivel stools

ESD swivel stool 1300 / 1320



ESD swivel stool with **durable ESD upholstery** and good seating comfort for nearly every application.

- Stepless seat height adjustment by safety gas spring, seat height approx. 43-56 cm / 57-83 cm
- Seat surface Ø 40 cm
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 ⚠
  - conductive PU upholstery
  - dissipative castors/glides



dpvlink 20751

Article	Type	QR
023.1300	<b>ESD swivel stool 1300</b> seat height 43-56 cm dissipative safety double castors for hard floors	
023.1320	<b>ESD swivel stool 1320 with foot ring</b> seat height 57-83 cm dissipative glides height-adjustable footring	

ESD Swivel stool 1301 Ergo



ESD swivel stool with **durable ESD upholstery** and innovative seat mechanism that adapt automatically to every posture and provides healthy ergonomics.

- spring-loaded 3D rocking function for healthy and ergonomic sitting (tilt up to 12°)
- 3D rocking function ensures permanent movement and encourages active sitting
- stepless seat height adjustment by safety gas spring  
seat height approx. 43 - 56 cm
- seat surface Ø 40 cm
- polished aluminum base
- in compliance with the ESD standard DIN EN 61340-5-1 
  - conductive upholstery
  - dissipative castors



dpwlink 23862

Article  
Type



023.1301 **ESD Swivel stool 1301 Ergo**  
Seat height 43-56 cm  
dissipative safety double castors for hard floors



ESD swivel stool PU 1390 / 1392



ESD swivel stool with **durable polyurethane upholstery** and good seating comfort for nearly every application.

- Stepless seat height adjustment by safety gas spring,  
seat height approx. 43-56 cm / 57-83 cm
- Seat surface Ø 32 cm
- Easy to clean, waterproof & antibacterial
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 
  - conductive PU upholstery
  - dissipative castors/glides



dpwlink 20756

Article  
Type



023.1390.PU-ESD **ESD swivel stool PU 1390**  
seat height 43-56 cm  
dissipative safety double castors for hard floors



023.1392.PU-ESD **ESD swivel stool PU 1392 with foot ring**  
seat height 57-83 cm  
dissipative glides  
height-adjustable footring

ESD saddle stool

ESD saddle stool 1350



Saddle seat for a **healthy posture and back-relieving working**

- Stepless seat height adjustment by safety gas spring, seat height approx. 44-57 cm
- Seat surface 40 x 42 cm
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1
- conductive PU upholstery
- dissipative castors/glides



Stoff schwarz  
.100-ESD

Kunstleder schwarz  
.330-ESD



dpvlink 20765

Article  
Type



023.1350 **ESD saddle stool 1350**  
seat height approx. 44 - 57 cm  
conductive safety double castors for hard floors



Standing aid

ESD Standing aid PU 1500 / 1600



- Stepless seat height adjustment by safety gas spring, seat height approx. 57-83 cm
- Seat surface 35 x 42 cm
- Polished aluminum base/foot plate
- In compliance with the ESD standard DIN EN 61340-5-1
- conductive PU upholstery
- dissipative glides / chromed foot plate



**Conductive polyurethane** (PU solid material)

- Advantage:
- easy to clean
  - waterproof
  - antibacterial
  - hard-wearing



dpvlink 14616

Article Type

023.1500.PU-ESD	<b>ESD Standing aid PU 1500 standard</b> Seat height: approx. 57-83 cm Base with ESD glides
023.1505.PU-ESD	<b>ESD Standing aid PU 1505 Comfort</b> Seat height: approx. 57-83 cm Base with ESD glides Seat tilt steplessly adjustable up to approx. 20°
023.1610.PU-ESD	<b>ESD Standing aid PU 1610 standard with foot plate</b> Seat height: approx. 57-83 cm Foot plate, chrome-plated
023.1615.PU-ESD	<b>ESD Standing aid PU 1615 Comfort with foot plate</b> Seat height: approx. 57-83 cm Chrome-plated foot plate Seat tilt steplessly adjustable up to approx. 20°



ESD Active standing aid



- ergonomically shaped seat
- elastic bedding of the column with large radius of action for active and healthy working
- Stepless seat height adjustment by safety gas spring, seat height approx. 61 - 90 cm
- adjustable seat tilt
- Seat surface 37 x 30 cm
- Polished aluminum base/foot plate
- In compliance with the ESD standard DIN EN 61340-5-1 
  - conductive PU upholstery
  - dissipative glides

Working while standing is more healthy and productive. The shape of the seat fulfills the ergonomic requirements for sedentary work, but it is also suitable for leaning against, just like pure standing aids. Position and inclination can be both adapted optimally to the working conditions. In addition, the pipe is elastically mounted in the base. This ensures a large operating range and all in all an active and so healthy working.



Synthetic leather skai® ESD

- Advantages:
- soft and comfortable
  - washable
  - insensitive to oil
  - hard-wearing



dpvlink 23204

Article	Type
023.1700-ESD	<b>ESD Active standing aid 1700 Ergo</b> Seat height: approx. 61 - 90 cm Base with ESD glides



PU chairs

ESD swivel chair PU 1400



Polyurethane ESD swivel chair with  **durable polyurethane upholsteries** and good seating comfort for nearly every application.

- Stepless seat height adjustment by safety gas spring, seat height approx. 41 -54 cm
- Seat surface 43 x 40 cm
- Backrest adjustable in height (stepwise) and tilt
- Backrest height approx. 32 cm
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 
  - conductive PU upholstery
  - dissipative castors



Conductive polyurethane (PU solid material)

- Advantage:
- easy to clean
  - waterproof
  - antibacterial
  - hard-wearing



dpvlink 20760

Article	Type
023.1400.PU-ESD	<b>ESD swivel chair PU 1400</b> Seat height 43-56 cm dissipative safety double castors for hard floors



ESD swivel chair PU 1405 / 1410



Polyurethane ESD swivel chair with **durable polyurethane upholsteries** and good seating comfort for nearly every application.

- Stepless seat height adjustment by safety gas spring, seat height approx. 43 -56 cm / 57-83 cm
- Seat adjustable in tilt
- Seat surface 46 x 40 cm
- Backrest adjustable in height (stepwise) and tilt
- Backrest height approx. 29 cm
- Individual asynchronous adjustment of seat and backrest
- Permanent contact backrest
- Weight regulation adjustable with rotary knob
- Polished aluminum base
- In compliance with the ESD standard DIN EN 61340-5-1 ⚠️
  - conductive PU upholstery
  - dissipative castors/glides



**Conductive polyurethane** (PU solid material)

- Advantage:
- easy to clean
  - waterproof
  - antibacterial
  - hard-wearing



dpvlink 20762

Article Type



023.1405.PU-ESD **ESD swivel chair PU 1405**  
 seat height 43-56 cm  
 dissipative safety double castors for hard floors



023.1410.PU-ESD **ESD swivel chair PU 1410 with foot ring**  
 seat height 57-83 cm  
 dissipative glides  
 height-adjustable footring

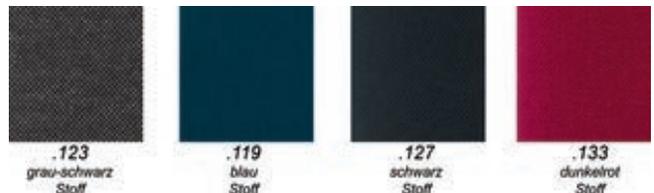


**Information about the ESD swivel chairs**  
 EPAChair® is clearly summarized in the current brochure

- as browse catalog
- as download
- as printed version (only German)

Swivel chairs Viasit-Komfort 6500

German proprietary brand with factory-service



- comfort point-synchro mechanism
- no ride up of the clothes
- stepless seat height adjustment by safety gas spring with conus plug connection
- seat and back of molded PU foam
- durable upholstery cover
- polished die-cast aluminium base
- load-dependent braked ESD twin castors according to DIN EN 12529 for smooth floors
- black metal and plastic parts
- delivery without armrest

In compliance with ESD standard DIN EN 61340-5-1 ⚠️

**ESD swivel chair Viasit-Komfort 6500**



Comfort point-synchro mechanisme, seat depth adjustment, fabric backrest completely dissipative

**dpvlink 19837**

Article  
Type



028.6500.119 **Viasit-Komfort 6500**  
Comfort point-synchro mechanism, backrest height approx. 54 cm, height adjustable (48 - 56 cm from top edge of seat) by fivefold locking mechanism, seat height: 42-53 cm

Color: blue



028.6500.123 **Viasit-Komfort 6500**  
Comfort point-synchro mechanism, backrest height approx. 54 cm, height adjustable (48 - 56 cm from top edge of seat) by fivefold locking mechanism, seat height: 42-53 cm

Color: grey/black



028.6500.127 **Viasit-Komfort 6500**  
Comfort point-synchro mechanism, backrest height approx. 54 cm, height adjustable (48 - 56 cm from top edge of seat) by fivefold locking mechanism, seat height: 42-53 cm

Color: black



028.6500.133 **Viasit-Komfort 6500**  
Comfort point-synchro mechanism, backrest height approx. 54 cm, height adjustable (48 - 56 cm from top edge of seat) by fivefold locking mechanism, seat height: 42-53 cm

Color: dark red

**Accessories Comfort 6500 and 6510**



**dpvlink 9690**

Article  
Type



028.0058.ESD **Functional armrest ESD**



028.0641 **Original Schukra lumbar support**  
for swivel chairs Viasit Komfort 6500 and 6510

028.0550.P **Gas spring (extra charge)**  
extended gas spring for seat height 45-64 cm

**Treston Swivel chairs**

**Swivel chair Treston Ergo-ESD**



Multi-purpose chair for nearly every application in industry.

Stepless seat height adjustment. Ergonomically shaped seat and backrest with lumbar support. Permanent contact backrest adjustable in height, also adjustable seat tilt.

Polished aluminium base with load-dependent braked ESD safety twin castors for hard floors. Back shell and plastic parts are dissipative.

In compliance with ESD standard DIN EN 61340-5-1 



Stoff  
schwarz



Kunstleder  
schwarz

**dpvlink 19910**

Article  
Type



029.C30BL-ESD **Swivel chair Treston Ergo C30-ESD**

Permanent contact backrest, backrest height approx. 46 cm, height adjustable, seat height: 44-62 cm

Cover: fabric, color: black



029.C30AL-ESD **Swivel chair Treston Ergo C30-ESD**

Permanent contact backrest, backrest height approx. 46 cm, height adjustable, seat height: 44-62 cm

Cover: synthetic leather, color: black



029.C35BL-ESD **Swivel chair Treston Ergo C35-ESD**

Permanent contact backrest, conductive glides and footring, backrest height approx. 46 cm, height adjustable, seat height: 53-80 cm

Cover: fabric, color: black

Swivel chair Treston Plus-ESD



High-quality office and work chair with synchronous mechanism.  
 Synchronous mechanism with weight regulation and seat height adjustment. Ergonomically shaped seat and backrest with lumbar support. Permanent contact backrest adjustable in height, also adjustable seat tilt.  
 Polished aluminium base with load-dependent braked ESD safety twin castors for hard floors. Back shell and plastic parts are dissipative.  
 In compliance with ESD standard DIN EN 61340-5-1

dpvlink 19920	Article Type	QR
	029.C40BL-ESD <b>Swivel chair Treston Plus-ESD</b> Synchronous mechanism, backrest height approx. 60 cm, height adjustable, seat height: 45-60 cm Cover: fabric, color: black	
	029.C40AL-ESD <b>Swivel chair Treston Plus-ESD</b> Synchronous mechanism, backrest height approx. 60 cm, height adjustable, seat height: 45-60 cm Cover: synthetic leather, color: black	

Armrest for Treston Ergo and Treston Plus



dpvlink 19921	Article Type	QR
	029.ARE-ESD <b>Armrest for Treston Ergo and Treston Plus</b> Adjustable in height, distance and depth, swivelling	

Bimos Swivel chairs



Swivel chair LABSIT



- Reliable ESD protection by volume conductive plastic and conductive comfort upholstery
- High comfort due to thick upholstery and large seat depth
- innovative flex function in the back and on the front edge of the seat for promoting the correct posture and a good blood circulation
- intuitive handling - only manual adaption of the seat height required
- hygienic design for a simple cleaning and disinfection
- resistant to all conventional disinfectants and chemicals according to ISO 2812
- easy to transport with integrated handle
- polished aluminum base

Corresponds to the ESD standard DIN EN 61340-5-1

			
-9801 Stoff schwarz	-CP01 Supertec	-2000 Integral- schaum	-MG01 Magic Kunstleder

dpvlink 22911	Article Type	QR
	9123E-MG01 <b>Labsit 2 ESD work swivel chair</b> Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black Cover: synthetic leather Magic ESD black	
	9123E-2000 <b>Labsit 2 ESD work swivel chair</b> Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black Cover: integral foam ESD black	
	9123E-9801 <b>Labsit 2 ESD work swivel chair</b> Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black Cover: fabric Duotec ESD black	

dpvlink 22911

Article  
Type



**9123E-CP01 Labsit 2 ESD work swivel chair**  
Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black  
Cover: Supertec ESD black



**9121E-MG01 Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: synthetic leather Magic ESD black



**9121E-2000 Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: integral foam ESD black



**9121E-9801 Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: fabric Duotec ESD black



**9121E-CP01 Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: Supertec ESD black



**9125E-MG01 Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: synthetic leather Magic ESD black



**9125E-2000 Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: integral foam ESD black



**9125E-9801 Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: fabric Duotec ESD black



**9125E-CP01 Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: Supertec ESD black

## Swivel chair NEXXIT

bimos 



- Reliable ESD protection by volume conductive plastic and conductive comfort upholstery
- High comfort due to thick upholstery - thus particularly soft
- seat shape specially designed for industrial workplaces to promote the correct posture and a good blood circulation
- ergonomically designed backrest with horizontal stitching to relieve the spinal column and the muscles
- tapered backrest width in the upper zone for optimal liberty of action
- Robust functional handles give practical mobility and protect the cover materials from dirty hands during transport
- Synchronous technology with automatic weight regulation and intuitive one-lever operation - unique feature in industrial environment
- large adjustment range in the height adjustment
- seat tilt adjustment up to a tilting angle of 6° ensures a seat angle of at least 90° with simultaneous contact with the backrest
- seat depth adjustment and backrest height adjustment for an optimal adaption of the chair to the user's height
- Optionally: 4D armrest (height, width and depth adjustments, pivotable)
- steel base, black

Corresponds to the ESD standard DIN EN 61340-5-1 



-9801  
Stoff  
schwarz



-CP01  
Supertec



-2000  
Integral-  
schaum



-MG01  
Magic  
Kunstleder

dpvlink 21499

Article  
Type



**9030E-9801 Nexxit 1 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides, seat height: 450-600 mm, backrest: 530 mm  
Cover: fabric Duotec ESD, black



**9030E-CP01 Nexxit 1 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides, seat height: 450-600 mm, backrest: 530 mm  
Cover: Supertec ESD, black



**9030E-2000 Nexxit 1 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides, seat height: 450-600 mm, backrest: 530 mm  
Cover: integral foam ESD, black



**9030E-MG01 Nexxit 1 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides, seat height: 450-600 mm, backrest: 530 mm  
Cover: synthetic leather Magic ESD, black



**9033E-9801 Nexxit 2 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive castors for smooth floors, seat height: 450-600 mm, backrest: 530 mm  
Cover: fabric Duotec ESD, black



**9033E-CP01 Nexxit 2 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive castors for smooth floors, seat height: 450-600 mm, backrest: 530 mm  
Cover: Supertec ESD, black



**9033E-2000 Nexxit 2 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive castors for smooth floors, seat height: 450-600 mm, backrest: 530 mm  
Cover: integral foam ESD, black



**9033E-MG01 Nexxit 2 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive castors for smooth floors, seat height: 450-600 mm, backrest: 530 mm  
Cover: synthetic leather Magic ESD, black



**9031E-9801 Nexxit 3 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides and footring, seat height: 570-820 mm, backrest: 530 mm  
Cover: fabric Duotec ESD, black

dpvlink 21499

Article  
Type



**9031E-CP01 Nexxit 3 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides and footring, seat height: 570-820 mm, backrest: 530 mm  
Cover: Supertec ESD, black



**9031E-2000 Nexxit 3 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides and footring, seat height: 570-820 mm, backrest: 530 mm  
Cover: Supertec ESD, black



**9031E-MG01 Nexxit 3 ESD work swivel chair**  
Synchronous technology with automatic weight regulation, conductive glides and footring, seat height: 570-820 mm, backrest: 530 mm  
Cover: synthetic leather Magic ESD, black

ESD 4D armrests for NEXXIT



dpvlink 21516

Article  
Type



**9039E 4D armrests ESD**  
suitable for bimos ESD chairs NEXXIT  
(adjustable in height, width and depth; pivotable)

Swivel chair NEON



- Reliable ESD protection by volume conductive plastic and conductive comfort upholstery
- Ergonomical upholstery shape with optimal support in the lumbar area
- Tapered backrest width in the upper part for an optimal freedom of movement
- Large range (up to 280 mm) in the height adjustment
- Seat tilt adjustment up to a tilting angle of 9° ensures a seat angle of minimum 90° in case of a simultaneous contact with the backrest
- Seat depth adjustment and backrest height adjustment for an optimal adaption of the chair to the body height
- Individually adjustable counter-pressure of the backrest for regulating the weight
- Optional: 4D armrest (height, width and depth adjustment, swiveling)
- Exchangeable upholstery element (quick change by hooking)
- Aluminium base, black
- **Chair elements without cushion (must be ordered separately)**

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 16804** 

Article	Type
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	9560E <b>Neon 1 ESD work swivel chair (without upholstery)</b> Permanent contact backrest, conductive glides, climbing aid (height adjustable, folding), seat height: 450-620 mm, backrest: 570 mm Available flex strip colors: "happy orange" (3279), "mars green" (3280), "Ocean blue" (3277) or "cool grey" (3278)
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	9570E <b>Neon 1 ESD work swivel chair (without upholstery)</b> Backrest with synchronous technology, conductive glides, seat height: 450-620 mm, backrest: 570 mm Available flex strip colors: "happy orange" (3279), "mars green" (3280), "Ocean blue" (3277) or "cool grey" (3278)
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	9563E <b>Neon 2 ESD work swivel chair (without upholstery)</b> Permanent contact backrest, conductive castors for hard floors, climbing aid (height adjustable, folding), seat height: 450-620 mm, backrest: 570 mm Available flex strip colors: "happy orange" (3279), "mars green" (3280), "Ocean blue" (3277) or "cool grey" (3278)
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	9573E <b>Neon 2 ESD work swivel chair (without upholstery)</b> Backrest with synchronous technology, conductive castors for hard floors, seat height: 450-620 mm, backrest: 570 mm Available flex strip colors: "happy orange" (3279), "mars green" (3280), "Ocean blue" (3277) or "cool grey" (3278)
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	9561E <b>Neon 3 ESD work swivel chair (without upholstery)</b> Permanent contact backrest, conductive glides, climbing aid (height adjustable, folding), seat height: 590-870 mm, backrest: 570 mm Available flex strip colors: "happy orange" (3279), "mars green" (3280), "Ocean blue" (3277) or "cool grey" (3278)
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**dpvlink 16804** 

Article	Type
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	9571E <b>Neon 3 ESD work swivel chair (without upholstery)</b> Backrest with synchronous technology, conductive glides, climbing aid (height adjustable, folding), seat height: 590-870 mm, backrest: 570 mm Available flex strip colors: "happy orange" (3279), "mars green" (3280), "Ocean blue" (3277) or "cool grey" (3278)
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NEON ESD Supertec upholstery



Soft, comfortable upholstery consisting of breathable carrier material and robust micro armoring for a slip- and cut-resistant surface, durable and easy to clean. Seat height can be increased by 20 mm, quick and easy installed by hooking.

**dpvlink 21253** 

Article	Type
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9588E-CP01	<b>ESD Supertec upholstery</b> black
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NEON ESD Integral foam upholstery



Conductive integral foam upholstery, soft, as comfortable as sitting on air, washable, resistant to light acids and alkalis, structured surface for best climate comfort. Increased seat height by 20 mm, fast and simply installed by hooking.

**dpvlink 16812** 

Article	Type
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9588E-2000	<b>ESD integral foam upholstery</b> black
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NEON ESD Magic upholstery



Conductive synthetic leather upholstery Magic, soft, as comfortable as sitting on air, washable, easy-care, resistant to light acids and alkalis. Increased seat height by 20 mm, fast and simply installed by hooking.

**dpvlink 16814** 

Article	Type
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9588E-MG01	<b>ESD Magic upholstery</b> black
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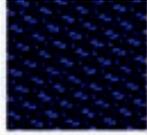
### NEON ESD Fabric upholstery



Soft, breathable textile upholstery made of durable and conductive fabric cover. Increased seat height by 20 mm, fast and simply installed by hooking.



-9801  
schwarz



-9802  
blau



-9811  
grau

[dpvlink 16816](#)

Article	Type
9588E	<b>ESD fabric upholstery</b> standard, fabric -9801 black, 9802 blue, -9811 grey



### ESD 4D Armrests for NEON

[dpvlink 16819](#)

Article	Type
9589E	<b>4D armrest ESD</b> suitable for bimos ESD chairs NEON (adjustable in height, width and depth; swiveling)



### Swivel chair SINTEC



- reliable ESD protection due to volume conductive plastic and conductive comfort upholstery
- anatomical design with integrated lumbar support
- flexible backrest top, reduced backrest width at the top for optimal mobility
- seat and backrest with grooves for optimal air circulation
- rounded front edge of seat, generous seat dimension with anti-slip curvature
- exchangeable upholstery elements (quick exchange by hooking)
- flat ending five foot frame of steel tube profile, coated with epoxy resin, color: black
- **chair elements without upholstery (must be ordered separately)**

In compliance with ESD standard DIN EN 61340-5-1 

[dpvlink 9733](#)

Article	Type
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9800E-1100 **Sintec 1 ESD work swivel chair (without upholstery)**  
Permanent contact backrest, conductive glides, seat height: 430-580 mm, backrest: 420 mm



9810E-1100 **Sintec 1 ESD work swivel chair (without upholstery)**  
Permanent contact backrest with seat tilt, conductive glides, seat height: 430-580 mm, backrest: 420 mm



9820E-1100 **Sintec 1 ESD work swivel chair (without upholstery)**  
Backrest synchronous technology with weight control, conductive glides, seat height: 430-580 mm backrest: 420 mm



9803E-1100 **Sintec 2 ESD work swivel chair (without upholstery)**  
Permanent contact backrest with conductive, braked castors for smooth floors, seat height: 430-580 mm, backrest: 420 mm

dpvlink 9733

Article  
Type



9813E-1100 **Sintec 2 ESD work swivel chair (without upholstery)**  
Permanent contact backrest with tilting seats with conductive, braked castors for smooth floors, seat height: 430-580 mm backrest: 420 mm



9823E-1100 **Sintec 2 ESD work swivel chair (without upholstery)**  
Backrest synchronous technology with weight control, with conductive, braked castors for smooth floors, seat height: 430-580 mm, backrest: 420 mm



9801E-1100 **Sintec 3 ESD work swivel chair (without upholstery)**  
Permanent contact backrest with step and conductive glides, seat height: 580-850 mm; backrest: 420 mm



9811E-1100 **Sintec 3 ESD work swivel chair (without upholstery)**  
Permanent contact backrest with seat tilt adjustment, step and conductive glides, seat height: 580-850 mm, backrest: 420 mm



9821E-1100 **Sintec 3 ESD work swivel chair (without upholstery)**  
Backrest synchronous technology with weight regulation, with step and conductive glides  
Seat height: 580-850 mm, backrest: 420 mm

**Accessories**

9353E Multifunctional armrest ESD

**SINTEC ESD Supertec upholstery**

bimos 



Soft, comfortable upholstery consisting of breathable carrier material and robust micro armoring for a slip- and cut-resistant surface, durable and easy to clean.  
Seat height can be increased by 20 mm, quick and easy installed by hooking.

dpvlink 21255

Article Type



9875E-CP01 **ESD Supertec upholstery**  
black, standard  
9876E-CP01 **ESD Supertec upholstery**  
black, with lumbar pad

**SINTEC ESD Integral foam upholstery**

bimos 



Conductive integral foam upholstery for soft, comfortable "air cushion seats", washable, resistant to light acids and alkalis, structured surface for best climate comfort. Increased seat height by 20 mm, fast and simply installed by hooking.

dpvlink 9743

Article Type



9865E-2000 **ESD integral foam upholstery SINTEC**  
black

**SINTEC ESD Skai upholstery**

bimos 



Slip- and tear-resistant upholstery with conductive Skai cover. Increased seat height by 20 mm fast and simply installed by hooking.

dpvlink 9745

Article Type



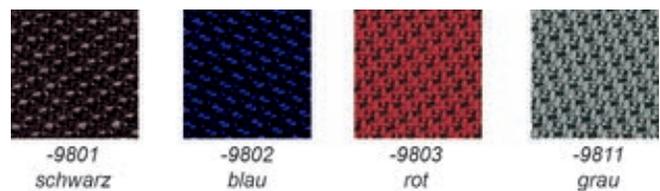
9875E-2571 **ESD Skai upholstery SINTEC**  
Black, standard  
9876E-2571 **ESD Skai upholstery with lumbar pad**  
Black, with lumbar pad

**SINTEC ESD Textile upholstery**

bimos 



Soft, breathable textile upholstery made of durable and conductive fabric cover. Increased seat height by 20 mm, fast and simply installed by hooking.



dpvlink 9748

Article Type



9875E **ESD textile upholstery SINTEC**  
standard, textile  
-9801 black, -9802 blue, -9811 red, -9803 grey  
9876E **ESD textile upholstery SINTEC with lumbar pad**  
with lumbar pad  
-9801 black, -9802 blue, -9811 red, -9803 grey, -2571 Skai  
leather black, -CP01 Supertec

for suitable armrests see article number 9353E

Swivel chair SINTEC 160



geeignet für Personen  
bis 160 kg



- reliable ESD protection due to volume conductive plastic and conductive comfort upholstery
- anatomical design with integrated lumbar support
- flexible backrest top, reduced backrest width at the top for optimal mobility
- robust and safe construction, suitable for persons up to 160 kg
- seat and backrest with grooves for optimal air circulation
- rounded front edge of seat, generous seat dimension with anti-slip curvature
- delivery incl. conductive glides and ESD castors
- seat height 490 - 640 mm with castors (in case of glides 450 - 600 mm)
- exchangeable upholstery elements (quick exchange by hooking)
- flat ending five-star base of steel tube profile, coated with epoxy resin, color: black
- extra-large, stable base (Ø 740 mm)

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 21585

Article  
Type



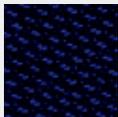
9816E-2000 **Sintec 160 ESD work swivel chair**  
Cover: integral foam ESD, -2000 black



9816E-2571 **Sintec 160 ESD work swivel chair**  
Cover: synthetic leather Skai ESD, -2571 black



9816E-9801 **Sintec 160 ESD work swivel chair**  
Cover: fabric Duotec ESD, -9801 black



9816E-9802 **Sintec 160 ESD work swivel chair**  
Cover: fabric Duotec ESD, -9802 blue



9816E-9803 **Sintec 160 ESD work swivel chair**  
Cover: fabric Duotec ESD, -9803 red



9816E-9811 **Sintec 160 ESD work swivel chair**  
Cover: fabric Duotec ESD, -9811 grey

Swivel chair UNITEC

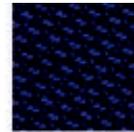


- ESD protection by conductive back shell, comfort upholstery and castors
- Generous seat and high back
- Flat ending five-star base of profile steel tube, coated with epoxy resin, color: black
- In compliance with ESD standard DIN EN 61340-5-1 
- Seat height adjustment, adjustable backrest
- Permanent contact backrest

In compliance with ESD standard DIN EN 61340-5-1 



-9801  
schwarz



-9802  
blau



-9803  
rot



-9811  
grau

dpvlink 9767

Article  
Type



9650E **Unitec 1 ESD work swivel chair**  
Permanent contact backrest, conductive glides, seat height: 460-640 mm, backrest: 460 mm  
cover: fabric Duotec ESD  
-9801 black, -9802 blue, -9803 red, -9811 grey



9650E-2571 **Unitec 1 ESD work swivel chair**  
Permanent contact backrest, conductive glides, seat height: 460-640 mm, backrest: 460 mm  
cover: synthetic leather Skai ESD, black



9653E **Unitec 2 ESD work swivel chair**  
Permanent contact backrest with conductive castors for hard surfaces, seat height: 440-600 mm  
Backrest: 460 mm, cover: fabric Duotec ESD  
-9801 black, -9802 blue, -9803 red, -9811 grey



9653E-2571 **Unitec 2 ESD work swivel chair**  
Permanent contact backrest with conductive castors for hard surfaces, seat height: 440-600 mm, backrest: 460 mm; cover: synthetic leather Skai ESD, black

dpvlink 9767

Article  
Type



9651E **Unitec 3 ESD work swivel chair**  
Permanent contact backrest, conductive glides and foot ring, seat height: 550-800 mm, backrest: 460 mm, cover: fabric Duotec ESD -9801 black, -9802 blue, -9803 red, -9811 grey



9651E-2571 **Unitec 3 ESD work swivel chair**  
Permanent contact backrest, conductive glides and foot ring, seat height: 550-800 mm, backrest: 460 mm; cover: synthetic leather Skai ESD, black

### Ring armrests for UNITEC

bimos

dpvlink 9896

Article  
Type



9680 **Ring armrest**  
standard, black, no ESD version suitable for bimos chairs UNITEC

### Swivel chair BASIC

bimos 



- Reliable ESD protection due to volume conductive plastics and conductive comfort upholstery
- Ergonomic design
- Seat and backrest height adjustment for an optimal adaption of the chair to the body height
- Flat ending five-star base of profile steel tube, coated with epoxy resin, color: black

In compliance with ESD standard DIN EN 61340-5-1 

#### Version PLUS with dissipative backrest shell



-9801 Stoff schwarz	-9802 Stoff blau	-9803 Stoff rot	-9811 Stoff grau	-2571 Kunstleder schwarz
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dpvlink 16821

Article  
Type



9150E **Basic 1 ESD work swivel chair**

- Permanent contact backrest
- conductive glides
- seat height: 470-610 mm, backrest: 430 mm



9150E.Plus **Basic 1 ESD work swivel chair PLUS**

- Permanent contact backrest
- conductive glides
- seat height: 470-610 mm, backrest: 430 mm

**Model with dissipative back outer shell**



9154E **Basic 1 ESD work swivel chair**

- Permanent contact backrest with seat tilt adjustment
- conductive glides
- seat height: 470-610 mm, backrest: 530 mm

dpvlink 16821

Article Type



- 9154E.Plus Basic 1 ESD work swivel chair PLUS**
- Permanent contact backrest with seat tilt adjustment
  - conductive glides
  - seat height: 470-610 mm, backrest:

**Model with dissipative back outer shell**



- 9157E Basic 1 ESD work swivel chair**
- Backrest synchronous technology with weight regulation
  - conductive glides
  - seat height: 490-630 mm, backrest: 530 mm



- 9157E.Plus Basic 1 ESD work swivel chair PLUS**
- Backrest synchronous technology with weight regulation
  - conductive glides
  - seat height: 490-630 mm, backrest: 530 mm

**Model with dissipative back outer shell**



- 9151E Basic 2 ESD work swivel chair**
- Permanent contact backrest
  - conductive braked castors for smooth floors
  - seat height: 470-610 mm, backrest: 430 mm



- 9151E.Plus Basic 2 ESD work swivel chair PLUS**
- Permanent contact backrest
  - conductive braked castors for smooth floors
  - seat height: 470-610 mm, backrest: 430 mm

**Model with dissipative back outer shell**



- 9155E Basic 2 ESD work swivel chair**
- Permanent contact backrest with seat tilt adjustment
  - with conductive **braked castors** for smooth floors
  - seat height: 470-610 mm, backrest: 530 mm



- 9155E.Plus Basic 2 ESD work swivel chair PLUS**
- Permanent contact backrest with seat tilt adjustment
  - with conductive **braked castors** for smooth floors
  - seat height: 470-610 mm, backrest: 530 mm

**Model with dissipative back outer shell**



- 9158E Basic 2 ESD work swivel chair**
- Backrest synchronous technology with weight regulation
  - with conductive **braked castors** for smooth floors
  - seat height: 490-630 mm, backrest: 530 mm



- 9158E.Plus Basic 2 ESD work swivel chair PLUS**
- Backrest synchronous technology with weight regulation
  - with conductive **braked castors** for smooth floors
  - seat height: 490-630 mm, backrest: 530 mm

**Model with dissipative back outer shell**

dpvlink 16821

Article Type



- 9152E Basic 3 ESD work swivel chair**
- Permanent contact backrest
  - **with climbing aid and conductive glides**
  - seat height: 620-870 mm, backrest: 430 mm



- 9152E.Plus Basic 3 ESD work swivel chair PLUS**
- Permanent contact backrest
  - **with climbing aid and conductive glides**
  - seat height: 630-890 mm, backrest: 530 mm

**Model with dissipative back outer shell**



- 9156E Basic 3 ESD work swivel chair**
- Permanent contact backrest with seat tilt adjustment
  - **with climbing aid and conductive glides**
  - seat height: 620-870 mm, backrest: 530 mm



- 9156E.Plus Basic 3 ESD work swivel chair PLUS**
- Permanent contact backrest with seat tilt adjustment
  - **with climbing aid and conductive glides**
  - seat height: 620-870 mm, backrest: 530 mm

**Model with dissipative back outer shell**



- 9159E Basic 3 ESD work swivel chair**
- Backrest synchronous technology with weight regulation
  - **with climbing aid and conductive glides**
  - seat height: 640-890 mm, backrest: 530 mm



- 9159E.Plus Basic 3 ESD work swivel chair PLUS**
- Backrest synchronous technology with weight regulation
  - **with climbing aid and conductive glides**
  - seat height: 640-890 mm, backrest: 530 mm

**Model with dissipative back outer shell**

ESD armrests for BASIC / SINTEC

bimos 

dpvlink 9776

Article Type



- 9353E Multifunctional armrest ESD**  
suitable for bimos ESD swivel chairs Basic and Sintec

Swivel chair cleanroom Basic ESD



**Material and design:**

The die-cast aluminium base is high-gloss polished and equipped with conductive castors or glides for hard floors. The also conductive and tear-resistant black synthetic leather cover is slip-resistant and ensures a good grip even on smooth cleanroom clothing.

**Color:** light grey / cover Skai ESD black, polished base

-DIN IEC 61340-5-1

-Air purity class 1 according to US Fed. H specifications

-Air purity class 3 according to EN ISO 14644-1

dpvlink 13413

Article  
Type



9140-2571 **Bimos ESD Cleanroom Basic 2**  
with permanent contact backrest height: 430 mm, seat height adjustment 470-610 mm, with conductive braked castors; color: light grey / cover Skai ESD black



9141-2571 **Bimos ESD cleanroom Basic 3**  
with permanent contact backrest height: 430 mm, seat height adjustment. 620-870 mm, with step / conductive glides, color: light grey / cover Skai ESD black



9142-2571 **Bimos ESD Cleanroom Basic 2**  
with permanent contact backrest height: 530 mm, seat height adjustment . 470-610 mm, with conductive, braked castors, color: light grey / cover Skai ESD black



9143-2571 **Bimos ESD cleanroom Basic 3**  
with permanent contact backrest height: 530 mm, seat height adjustment 630-890 mm step / conductive glides, color: light grey / cover black

dpvlink 13413

Article  
Type



9145-2571 **Bimos ESD cleanroom Basic 2**  
with synchronous technology, backrest: 530 mm, seat height adjustment 490-630 mm, with conductive, braked castors, color: light grey / cover Skai ESD black



9146-2571 **Bimos ESD cleanroom Basic 3**  
with synchronous technology, backrest height: 530 mm, seat height adjustment 660-910 mm, with step / conductive glides, color: light grey / cover Skai ESD black



9890-238 **Ring armrest for Bimos cleanroom Basic**  
Color: light grey

**Swivel chair cleanroom Plus ESD**



**Material and design:**

The swivel chair cleanroom Plus is equipped with a seat and backrest shell made of steel plate and guarantees best particle safety. The metal parts have a conductive coating, the plastics are volume conductive. Their color is light grey. The also conductive synthetic leather cover is slip-resistant and ensures a firm grip even on smooth cleanroom clothing.

**Color:** light grey / cover Skai ESD black, polished base

-DIN IEC 61340-5-1

-Air purity class 1 according to US Fed. H specifications

-Air purity class 3 according to EN ISO 14644-1

**dpvlink 13423**

Article  
Type



9161-2571 **Bimos ESD cleanroom Plus 2**  
with permanent contact, backrest: 500 mm, seat height adjustment. 440-565 mm, with conductive braked castors; color: light grey / cover Skai ESD black



9181-2571 **Bimos ESD cleanroom Plus 2**  
with permanent contact, backrest: 380 mm, seat height adjustment. 440-565 mm, with conductive braked castors, color: light grey / cover Skai ESD black



9183-2571 **Bimos ESD cleanroom Plus 2**  
with permanent contact, backrest: 380 mm, seat height adjustment. 630-890 mm step / conductive glides, color: light grey / cover Skai ESD black



9487-238 **Ring armrest for Bimos cleanroom Plus**  
with permanent contact, light grey

**Stools / Standing aids**

**Bimos ESD Cleanroom stool**



**Material and design:**

High-gloss polished die-cast aluminum frames equipped with conductive castors or glides for hard floors. The synthetic leather cover is also conductive and slip-resistant.

Cleanroom class 4 according to EN ISO 14644-1

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 13439**



Article	Type
9467R-2571	<b>Bimos ESD cleanroom stool 1</b> Seat height adjustment. 460-630 mm, with conductive glides, polished base, color: light grey / cover Skai ESD black
9468R-2571	<b>Bimos ESD cleanroom stool 2</b> Seat height adjustment 460-630 mm, conductive braked castors, polished base, color: light grey / cover Skai ESD black
9469R-2571	<b>Bimos ESD cleanroom stool 3</b> Seat height adjustment 570-850 mm, conductive glides + footring, polished base, color: light grey / cover Skai ESD black

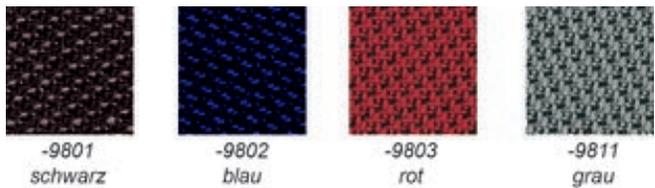
**ESD Stool**



ESD swivel stool with comfortable seat height adjustment by ring release and conductive cover.

In compliance with ESD standard

DIN EN 61340-5-1 



**dpvlink 9760**



Article	Type
9467E	<b>ESD stool 1, work swivel stool</b> with conductive glides, ring release, seat height: 460-630 mm, cover: fabric Duotec ESD -9801 black, -9802 blue, -9803 red, -9811 grey
9467E-2571	<b>ESD stool 1, work swivel stool</b> with conductive glides, ring release, seat height: 460-630 mm, cover: synthetic leather Skai ESD, black
9468E	<b>ESD stool 2, work swivel stool</b> with conductive castors for hard floors, ring release, seat height: 460-630 mm, cover: fabric Duotec ESD -9801 black, -9802 blue, -9803 red, -9811 grey
9468E-2571	<b>ESD stool 2, work swivel stool</b> with conductive castors for hard floors, ring release, seat height: 460-630 mm, cover: synthetic leather Skai ESD, color: black
9469E	<b>ESD stool 3, work swivel stool</b> with conductive glides and foot ring, ring release, seat height: 570-850 mm, cover: fabric Duotec ESD -9801 black, -9802 blue, -9803 red, -9811 grey
9469E-2571	<b>ESD stool 3, work swivel stool</b> with conductive glides and foot ring, ring release, seat height: 570-850 mm, cover: synthetic leather Skai ESD, black

**Stool LABSIT**

bimos 



ESD swivel stool with comfortable seat height adjustment by ring release and conductive cover  
Cleanroom class 3 according to ISO 14644-1  
In compliance with the ESD standard  
DIN EN 61340-5-1 

**dpvlink 22916**

Article Type

9127E-2000 **ESD Stool Labsit**  
Adjustable seat height 450 - 650 mm, ring release, with conductive braked castors, posihed base  
Cover: integral foam ESD black



**Stool / standing aid Flex**

bimos 



ESD standing aid Flex, seat height adjustment by safety gas spring from 510 - 780 mm, seat integral foam upholstery black.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 21049**

Article Type

- 9408E-2000 **bimos ESD work stool Flex 1**
- seat height adjustable 450 - 650 mm
  - with conductive castors
  - polished base
  - color: black
  - cover Soft Touch PU foam
- 9409E-2000 **bimos ESD standing aid Flex 2**
- seat height adjustable 510 - 780 mm
  - with conductive glides
  - polished base
  - color: black
  - cover Soft Touch PU foam
- 9419E-2000 **bimos ESD standing aid Flex 3**
- seat height adjustable 510 - 780 mm
  - with conductive glides and footing
  - polished base
  - color: black
  - cover Soft Touch PU foam



**ESD Standing aid with foot plate**

bimos 



ESD standing aid with solid flat round base, seat height adjustment by Safelift gas spring in the range of 650-850 mm, tilt adjustment forwards by 10°, 360° rotatable lean-to surface made of conductive integral foam with integrated handle. Metal parts coated with epoxy resin, color: black.

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 9758**

Article Type

9454E-2000 **ESD standing aid with foot plate**  
with Safelift seat height adjustment 650-850 mm



**ESD Standing aid Fin**

bimos 



ESD standing aid Fin with solid foot, seat height adjustment by Safelift gas spring in the range of 620-850 mm, pillar for an ideal working position and ergonomic support tilted forwards by 4°, extra wide comfort seat (turnable by 20°) with integrated handles, integral foam upholstery black.

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 17230**

Article Type

9144E **ESD Standing aid Fin**  
with Safelift seat height adjustment 620 - 850 mm



**ESD Standing aid Labster**

bimos 



ESD standing aid Labster, seat height adjustment by Safelift gas spring in the range from 650 - 850 mm, seat with integral foam upholstery black.

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 17232**

Article Type

- 9106E-2000 **ESD Standing aid Labster (oscillating foot)**  
innovative oscillating foot (complete upper part can be tilted by 7°), Safelift seat height adjustment 650-850 mm
- 9106E-2000-521 **ESD Standing aid Labster (base with glides)**  
Base with ESD glides, Safelift seat height adjustment 650 - 850 mm



**Swivel chairs, others**

**Swivel chair BUSINESS-CHAIR** 



This swivel chair type Business Chair provides excellent ergonomic sitting comfort due to its molded foam cushion.

- 5-star base made of chromed aluminium with to conductive soft castors
- safety gas spring, seat height 450 - 590 mm
- Seat and dynamic backrest individually adjustable
- durable and conductive upholstery cover for seat and backrest, color black
- load-dependent braked, soft castors
- conductive plastic backrest shell

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 17646**

Article Type

1700.BS.S **Swivel chair BUSINESS-CHAIR, color black**  
with armrests, seat height 450 - 590 mm



**Swivel chair ERGO-CHAIR** 



Due to its molded foam upholstery the swivel chair type Ergo Chair offers an excellent ergonomic seating comfort.

- 5-star base with 5 conductive soft castors / 5 conductive glides
- safety gas spring, seat height 430 - 600 mm and 570 - 850 mm
- adjustable seat tilt and backrest height
- seat and dynamic backrest individually adjustable
- backrest with conductive plastic shell

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 21203**



Article	Type
1700.ERG.S	<b>Swivel chair ERGO-CHAIR, color black</b> Cover: fabric, seat height 430 - 600 mm 5 conductive, soft castors
1700.ERG.K	<b>Swivel chair ERGO-CHAIR, color black</b> Cover: synthetic leather, seat height 430 - 600 mm 5 conductive, soft castors
1700.ERG.ST	<b>Swivel chair ERGO-CHAIR, color grey</b> Cover: SUPERTEC, seat height 430 - 600 mm 5 conductive, soft castors
1710.ERG.S	<b>Swivel chair ERGO-CHAIR, color black</b> Cover: fabric, seat height 570 - 850 mm 5 conductive glides, climbing aid (steplessly adjustable)
1710.ERG.K	<b>Swivel chair ERGO-CHAIR, color black</b> Cover: synthetic leather, seat height 570 - 850 mm 5 conductive glides, climbing aid (steplessly adjustable)
1710.ERG.ST	<b>Swivel chair ERGO-CHAIR, color grey</b> Cover: SUPERTEC, seat height 570 - 850 mm 5 conductive glides, climbing aid (steplessly adjustable)

**Swivel chair COMFORT CHAIR** 



The swivel chair type Comfort Chair offers an excellent ergonomic seating comfort due to its molded foam cushion.

- 5-star base with 5 conductive soft castors
- safety gas spring, seat height 430-570 mm and 670-810 mm
- seat and dynamic backrest individually adjustable
- durable upholstery cover
- conductive plastic backrest shell

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 3753**



Article	Type
1700.KS.B	<b>Swivel chair COMFORT-CHAIR, color: blue</b> without armrests, seat height 430-570 mm
1700.KS.D	<b>Swivel chair COMFORT-CHAIR, color: grey</b> without armrests, seat height 430 - 570 mm
1700.KS.S	<b>Swivel chair COMFORT-CHAIR, color black</b> without armrests, seat height 430 - 570 mm
1710.KS.B	<b>Swivel chair COMFORT CHAIR, color: blue</b> with 5 conductive glides, chromed foot ring, seat height 670-810 mm
1710.KS.D	<b>Swivel chair COMFORT CHAIR, color: grey</b> with 5 conductive glides, chromed foot ring, seat height 670-810 mm
1710.KS.S	<b>Swivel chair COMFORT-CHAIR, color black</b> with 5 conductive glides, chromed foot ring, seat height 670-810 mm

**Accessories COMFORT / ECONOMY / ECONOMY PLUS** 

**dpvlink 3760**



**1700.XS Armrests**  
for COMFORT / ECONOMY / ECONOMY PLUS  
with conductive PU armrests

**1700.KS.13 Hard chair castors**  
for COMFORT / COMFORT PLUS / ECONOMY / ECONOMY PLUS  
Hard chair castors (for carpets), set = 5 pieces

**Swivel chair COMFORT-PLUS-CHAIR** 



The swivel chair type Comfort Chair offers an excellent ergonomic seating comfort due to its molded foam cushion.

- 5-star base
- safety gas spring
- adjustable back height
- adjustable seat height, depth and tilt
- mechanism with synchronous technique provides active-dynamic sitting
- seat and dynamic backrest individually adjustable
- durable upholstery cover in black
- conductive plastic backrest shell
- ESD marking
- load-dependent braked, soft castors

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 17648**

Article	Type
1700.KSP.S	<b>Swivel chair COMFORT-PLUS-CHAIR, color black</b> without armrests, seat height 430 - 540 mm, with 5 conductive, soft castors
1700.KSP.ST	<b>Swivel chair COMFORT-PLUS-CHAIR, color grey</b> without armrests, seat height 430 - 540 mm, with 5 conductive, soft castors fabric: Supertec
1700.KSP.B	<b>Swivel chair COMFORT-PLUS-CHAIR, color dark blue</b> without armrests, seat height 430 - 540 mm, with 5 conductive soft castors
1710.KSP.S	<b>Swivel chair COMFORT-PLUS-CHAIR, color black</b> without armrests, seat height 610 - 850 mm, with 5 conductive glides, chromed footing as climbing aid
1710.KSP.ST	<b>Swivel chair COMFORT-PLUS-CHAIR, color grey</b> without armrests, seat height 610 - 850 mm, with 5 conductive glides, chromed footing as climbing aid, fabric: Supertec
1710.KSP.B	<b>Swivel chair COMFORT-PLUS-CHAIR, color dark blue</b> without armrests, seat height 610 - 850 mm, with 5 conductive glides, chromed footing as climbing aid
1700.KSP.S.620	<b>Swivel chair COMFORT-PLUS-CHAIR, color black</b> without armrests, seat height 470 - 620 mm, with 5 conductive soft castors
1700.KSP.ST.620	<b>Swivel chair COMFORT-PLUS-CHAIR Supertec</b> without armrests, seat height 470 - 620 mm, with conductive castors
1700.KSP.B.620	<b>Swivel chair COMFORT-PLUS-CHAIR, color dark blue</b> without armrests, seat height 470 - 620 mm, with 5 conductive soft castors

**Accessories COMFORT-PLUS CHAIR** 

**dpvlink 17651**

Article  
Type



1700.xs.ksp **Armrests**  
for COMFORT-PLUS CHAIR  
with conductive PU arm supports

**Swivel chair ECONOMY CHAIR PISA II** 



Swivel chair with comfortable seating and durable ESD upholstery cover.

- Simple design
- tilting of backrest mechanically adjustable and lockable
- height adjustment by safety gas lift
- load-dependent braked, soft castors
- suitable armrests: **1700.XS**

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 2391**

Article	Type
1700.ES.D	<b>Swivel chair ECONOMY CHAIR PISA II, color: grey</b> without armrests, seat height 400 - 520 mm
1700.ES.B	<b>Swivel chair ECONOMY CHAIR PISA II, color: blue</b> without armrests, seat height 400 - 520 mm
1710.ES.D	<b>Swivel chair ECONOMY CHAIR PISA II, color: grey</b> with 5 conductive glides, steel-ring step, seat height 640-760 mm
1710.ES.B	<b>Swivel chair ECONOMY CHAIR PISA II, color: blue</b> with 5 conductive glides, steel-ring step, seat height 640-760 mm

**Accessories COMFORT / ECONOMY / ECONOMY PLUS** 

**dpvlink 3760**

Article  
Type



1700.XS **Armrests**  
for COMFORT / ECONOMY / ECONOMY PLUS  
with conductive PU armrests

1700.KS.13 **Hard chair castors**  
for COMFORT / COMFORT PLUS / ECONOMY / ECONOMY PLUS  
Hard chair castors (for carpets), set = 5 pieces

**Swivel chair ECONOMY PLUS CHAIR** 



The swivel chair type Economy Plus Chair offers a good ergonomic seating comfort due to its molded foam cushion and its increased backrest with spine cavity.

- 5-star base, safety gas spring, adjustable seat height
- increased dynamic backrest with spine cavity, individually adjustable
- seat and dynamic backrest individually adjustable
- durable upholstery cover in black
- conductive plastic backrest shell
- ESD marking
- depending on version: load-dependent braked, soft castors or glides
- suitable armrests: **1700.XS**

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 17653**

Article	Type
1700.ESP.S	<b>Swivel chairs ECONOMY-PLUS-CHAIR, color black</b> without armrests, seat height 430 - 540 mm, with conductive, soft castors
1710.ESP.S	<b>Swivel chair ECONOMY-PLUS-CHAIR, color black</b> without armrests, seat height 670 - 800 mm, with conductive glides. Chromed footing as climbing aid.



**Accessories COMFORT / ECONOMY / ECONOMY PLUS** 

**dpvlink 3760**

Article	Type
1700.XS	<b>Armrests</b> for COMFORT / ECONOMY / ECONOMY PLUS with conductive PU armrests



1700.KS.13	<b>Hard chair castors</b> for COMFORT / COMFORT PLUS / ECONOMY / ECONOMY PLUS Hard chair castors (for carpets), set = 5 pieces
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**Vinyl Sit-stand stool** 



Dissipative, height-adjustable sit-stand stool

- Durable and conductive vinyl cover
- Seat height adjustable 540-800 mm
- Chromed base with slip-resistant dissipative knobs
- Steplessly adjustable seat tilting
- 360° seat rotation assures excellent body contact
- Marked with ESD warning symbol on backrest

**dpvlink 19750**

Article	Type
1700.SV	<b>Vinyl Sit-stand stool</b>



**Swivel chair INDUSTRIAL PU-CHAIR** 



The swivel chair type **Industrial PU** has a very good ergonomic seating comfort. Body charges can be dissipated reliably and safely to the conductive floor or floor mat.

- 5-star base with 5 conductive soft castors
- safety gas spring, seat height 380-510 mm and 540-800 mm
- synchronous adjustment of the seat and backrest
- durable and conductive PU integral foam for seat and backrest
- PU integral foam is easy to clean
- labelling with ESD symbol

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 8411**

Article	Type
1700.PU	<b>Swivel chair INDUSTRIAL PU-CHAIR</b> without armrests, seat height 380 - 510 mm
1710.PU	<b>Swivel chair INDUSTRIAL PU-CHAIR</b> with 5 conductive glides, steel-ring step, seat height 540 - 800 mm



**Accessories INDUSTRIAL PU-CHAIR** 

**dpvlink 8414**

Article	Type
1700.XS.PU	<b>Armrests for INDUSTRIAL PU-CHAIR</b> with conductive PU armrests incl. mounting plate



**Vinyl Chair** 



The swivel chair type **Vinyl Chair** provides a very good ergonomic seating and can dissipate personnel charging reliably and safely to the conductive flooring or floor mat.

- 5-star base made of chromed aluminium with 5 conductive soft castors
- Safety gas spring, seat height 510-640 mm
- Durable and conductive vinyl covering for backrest and seat
- Load-controlled braked soft castors
- Marked with the ESD warning symbol on backrest
- For clean production areas

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 19746**

Article	Type
1700.VS	<b>Vinyl Chair</b> without armrests, seat height 510 - 640 mm



## Standing aid / sit-stand stool dissipative



Sit-stand stool; dissipative, stable support tube with slip-resistant glides; lockable seat height adjustment; seat tilt adjustable by 15°; dissipative, durable seat made of PU integral foam; rotary movement of the seat by 16° ensures good contact; GS approved. Color black.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 10188**

Article	Type
1700.S	Standing aid / sit-stand stool conductive



## Footrests and climbing aids

### Footrest



Adjustable, conductive footrest, color: black, dimensions: 450 x 350 mm

- supports an ergonomic and comfortable sitting
- stable metal construction
- conductive, slip-resistant mat
- height and tilt adjustable
- incl. grounding wire with 10 mm snap / banana plug
- fulfils the standards of DIN 4556

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 4093**

Article	Type
1740.001	Footrest ESD, incl. grounding wire



### Footrest



Dissipative metal footrest, adjustable  
Dimensions: 550 x 385 x 445 mm

- supports ergonomic sitting comfort
- stable metal construction
- dissipative, slip-resistant covering
- adjustable in height and inclination
- incl. grounding cable 10 mm snap/4 mm eyelet
- footrest made of aluminum checker plate

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 26106**

Article	Type
1740.MS	Footrest ESD, height-adjustable



### Footrest with gas spring height adjustment



ESD footrest, height adjustable 100-340 mm, tilt adjustment 8°-25° with conductive glides, safe lift height adjustment, easy to operate while sitting; metal parts coated with epoxy resin, color: black.

**dpvlink 9774**

Article	Type
9455E-217	Footrest with gas spring height adjustment Height: 100-340 mm, tilt adjustment: 8°-25°



### Footrest



Dissipative footrest with exercise roller self-standing, color: black  
Dimensions: 500 x 370 x 100 mm

- The special feature is an integrated exercise roller to support the blood circulation through foot massage while sitting

- Serrated surface. Slip-resistant rubber plugs below ensure stable standing
- made of polystyrene

**dpvlink 17281**

Article	Type
JT-2ESD	Footrest ESD



### Footrest floor



Dissipative footrest freestanding, dimensions 550 x 350 x 100 mm, tilting angle 5-30°

- Slip-resistant rubber plugs provide stable stand

**dpvlink 18564**

Article	Type
860.94749	Footrest floor ESD



### Footrest floor, height-adjustable



Dissipative footrest height-adjustable, freestanding, dimensions 550 x 350 x 90-280 mm, tilting angle 5-30°

- Slip-resistant rubber plugs provide stable stand

**dpvlink 18566**

Article	Type
860.13749	Footrest floor, height-adjustable ESD



### Footrest floor, with gas spring



Dissipative footrest with gas spring, freestanding, dimensions 550 x 350 x 90-260 mm, tilting angle 5-30°

- Slip-resistant rubber plugs provide stable stand

**dpvlink 18568**

Article	Type
860.22449	Footrest floor, with gas spring



### Conductive kick-step stools



In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 26653**

Article	H [mm]	Ø	Material	Max. load capacity
1751.415	410	283-343 mm	polypropylene	150 kg
1750.410	400	280-330 mm	polypropylene / metal	150 kg



ESD Work table systems



**For a better work environment. Developed vor the human being.**

TRESTON is one of the world's leading suppliers of industrial furniture and workstations.

Our workstation design and implementation process always begins with the person performing the work. In this way, the company pays close attention to ergonomics, functionality and efficiency. The cornerstones of our business activities are reliability, customer orientation, high quality and continuity.

Especially in electronics industry there are often works executed in an ESD area to be protected against static charges.

TRESTON has a long experience in development, manufacturing and delivery of ESD equipment. All workstation equipments are available with ESD coating.

The products are certified in accordance with IEC-61340-5-1.



**Adapted to your individual requirements**

The field of application of a workstation determines the basic requirements and the accessories needed. The needs and requirements can vary from employee to employee. This should be respected.

The 3D designer in our online shop helps you to equip your workstation easily. With a few clicks you can put together your wished table and we will create a quote tailored to your personal table.

For if a workstation is focused on the special needs of the employee, the production process can be executed with precision and comfort without any delay.



**Ergonomic workstations**

An efficient, smooth material flow is the main advantage of our workstations for assembly industry. Processes and production procedures can change at any time, and ergonomic needs vary from person to person.

Our answers include modular product solutions allowing the quick and agile reaction to every new situation and therefore ensuring the continuous production.

Due to our versatile accessory range the workstations can be adapted nearly indefinitely to individual needs. An internal design department and long-standing experience permit us a customer-specific adaption of every single solution.

Our range comprises for example ESD-protected workstations for electronics industry. These are also superbly suitable for precision engineering and mechanical engineering.



Individual solutions - configure online

Configurator Treston 3D workstation planner

## Series TP/TPH



Universal tables for assembly operations, versatile and flexible. The modular design allows a quick adaption to modifications in the manufacturing sequence.

### Construction:

Base frame made of a powder-coated steel profiles according RAL 7035. Table plate 26 mm: chipboard core coated with ESD laminate.

In compliance with ESD standard DIN EN 61340-5-1 

### Basic unit TP



Height adjustment with socket screws 650 - 900mm, load capacity 300 kg.



dpvlink 1437		QR
Article	Tabletop dimensions	
<b>Basic unit TP</b>		
TP-507ESD	500 x 700 mm	
TP-510ESD	500 x 1000 mm	
TP-515ESD	500 x 1500 mm	
TP-710ESD	700 x 1000 mm	
TP-712ESD	700 x 1200 mm	
TP-715ESD	700 x 1500 mm	
TP-718ESD	700 x 1800 mm	
TP-915ESD	900 x 1500 mm	
TP-918ESD	900 x 1800 mm	

### Angle extension TP



Height adjustment with Allen screws 650-900 mm. Load capacity 150 kg.



dpvlink 26004		QR
Article	Tabletop dimensions [mm]	
<b>Angle extension TP</b>		
TP-510-KESD	500 x 1000 x 650 light grey - 900	
TP-712-KESD	700 x 1200 x 650 light grey - 900	

### Basic unit TPH with shelf



Constructed like TP, but with additional shelf, depth 310 mm, height adjustable 1080 - 1550 mm.

Accessories: box shelf, box rail, attachment unit, additional shelf, perforated plate, installation channel, swivel arm, lighting.



dpvlink 1455		QR
Article	Tabletop dimensions	
<b>Basic unit TPH with shelf</b>		
TPH-712ESD	700 x 1200 mm	
TPH-715ESD	700 x 1500 mm	
TPH-718ESD	700 x 1800 mm	
TPH-915ESD	900 x 1500 mm	
TPH-918ESD	900 x 1800 mm	

### Table trolley SAP



Constructed like TP, but with four swivel castors Ø 100 mm, two of them conductive and 2 with locks.

Bottom plate has to be ordered separately. Load capacity approx. 150 kg.



dpvlink 1474		QR
Article	Tabletop dimensions	
<b>Table trolley SAP</b>		
SAP-507ESD	500 x 700 mm	
SAP-710ESD	700 x 1000 mm	
SAP-715ESD	700 x 1500 mm	

### Bottom plate AT



Bottom plate for table trolley SAP



dpvlink 1480		QR
Article	Tabletop dimensions	
<b>Bottom plate AT</b>		
AT-507ESD	500 x 700 mm	
AT-710ESD	700 x 1000 mm	

### Attachment unit KT for TPH series



For the installation of lighting and tools. The mounting of both elements requires an additional C-profile rail SPR 150/180. (A C-profile rail is included in the scope of the attachment unit KT.)

Length 1200 mm suitable for TPH 712 ESD

Length 1500 mm suitable for TPH 715/ 915 ESD

Length 1800 mm suitable for TPH 718/ 918 ESD



dpvlink 1495		QR
Article	L [mm]	
<b>Attachment unit KT for TPH series</b>		
KT-120	1200	
KT-150	1500	
KT-180	1800	
SPR-120	1200	
SPR-150	1500	
SPR-180	1800	

### Shelf SH for TPH series



Additional shelf, 26 mm ESD laminate

Length 1200 mm suitable for TPH 712 ESD

Length 1500 mm suitable for TPH 715/ 915 ESD

Length 1800 mm suitable for TPH 718/ 918 ESD



dpvlink 1503			QR
Article	L [mm]	D [mm]	
<b>Shelf SH for TPH series</b>			
SH-120ESD	1200 mm	310 mm	
SH-150ESD	1500 mm	310 mm	
SH-180ESD	1800 mm	310 mm	

## Box shelf TH for TPH series



For storage boxes and part bins. Tilt and height adjustable. Made of steel, dissipative powder coating. Load capacity up to 30 kg.

Length 1119 mm suitable for TPH-712 ESD  
 Length 1419 mm suitable for TPH-715/ 915 ESD  
 Length 1719 mm suitable for TPH-718/ 918 ESD



dpvlink 1483			QR
Article	L [mm]	D [mm]	
<b>Box shelf TH for TPH series</b>			
TH-120ESD	1119 mm	145 mm	
TH-150ESD	1419 mm	145 mm	
TH-180ESD	1719 mm	145 mm	

## Box rail BP for TPH series



For storage boxes and part bins. Steel rail, dissipative powder coating

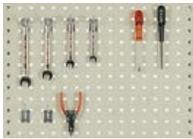


dpvlink 6772		QR
Article	L [mm]	
<b>Box rail BP for TPH series</b>		
BP-50ESD	525	
BP-120ESD	1115	
BP-150ESD	1415	
BP-180ESD	1715	

## Perforated plate RL for TPH series



Holes 9 x 9 mm in a 38 mm grid. Made of sheet steel. Can also be mounted on the wall. For mounting on TPH tables brackets RK-1 are needed (separately available).



dpvlink 1506			QR
Article	Tabletop dimensions		
<b>Perforated plate RL for TPH series</b>			
RL-120	1119 x 750 mm		
RL-150	1419 x 750 mm		
RL-180	1719 x 750 mm		

## Connector set RK for perforated panels RL



Connector set (4 pieces) for mounting perforated panels on the superstructures of TPH workbenches.

Suitable for perforated panels RL-120, RL-150 and RL-180.



dpvlink 26394			QR
Article	Type		
RK-1	Connector set RK for perforated panels RL		

## Swivel arm CKV



Inclinable surface with brake. Made of steel, dissipative powder coating. Arm length 588 mm. Load capacity max. 15 kg. Mounting on a C-profile.



dpvlink 1510				QR
Article	L [mm]	W [mm]		
<b>Swivel arm CKV</b>				
CKV-400ESD	460	210		

## Concept Work tables



Concept work tables are designed for the requirements of the electronics industry, where ergonomic qualities are a very important requirement. There are many possible adjustments, all components fit together seamlessly, and all details are practical in use.

- ergonomic and wheel adaptable to the users' needs
- flexible to modifications due to the modular structure
- suitable for heavy loads
- offers a wide range of accessories to meet any need
- grey laminate surface and edges
- thickness 25 mm
- conductive

In compliance with ESD standard DIN EN 61340-5-1

## Concept complete table



Height adjustment with Allen screws 670-1120 mm.  
 Load capacity 500 kg. With ESD table top 1500 x 750 mm.



dpvlink 19117			QR
Article	Frame size		
<b>Concept complete table</b>			
100.49037-ESD	750 x 1500 mm		
100.49038-ESD	750 x 1800 mm		

## Concept work table complete with crank adjustment



Height adjustment 675-1125 mm.  
 Load capacity 200 kg. With ESD table top 1500 x 750 mm.



dpvlink 19120			QR
Article	Frame size		
<b>Concept work table complete with crank adjustment</b>			
101.49037-ESD	750 x 1500 mm		
101.49038-ESD	750 x 1800 mm		

## Concept work table complete with electronic adjustment



Height adjustment 700-1100 mm.  
Load capacity 400 kg. With ESD table top 1500 x 750 mm.



dpvlink 19123		QR
Article	Frame size	
<b>Concept work table complete with electronic adjustment</b>		
103.49037-ESD	750 x 1500 mm	
103.49038-ESD	750 x 1800 mm	

## Concept frame



Height adjustment with Allen screws 670-1120 mm.  
Load capacity 200/500 kg. (without ESD table top)



dpvlink 18701		QR
Article	Frame size	
<b>Concept frame</b>		
100.49015-ESD	600 x 1000 mm	
100.49030-ESD	750 x 1000 mm	
100.49062-ESD	900 x 1000 mm	
100.49016-ESD	600 x 1200 mm	
100.49031-ESD	750 x 1200 mm	
100.49063-ESD	900 x 1200 mm	
100.49017-ESD	600 x 1500 mm	
100.49032-ESD	750 x 1500 mm	
100.49064-ESD	900 x 1500 mm	
100.49018-ESD	600 x 1800 mm	
100.49033-ESD	750 x 1500 mm	
100.49065-ESD	900 x 1800 mm	
100.49019-ESD	600 x 2000 mm	
100.49034-ESD	750 x 2000 mm	
100.49066-ESD	900 x 2000 mm	

## Concept extension tables



(without ESD table top)



dpvlink 18749		QR
Article	Frame size	
<b>Concept extension tables</b>		
112.49001-ESD	600 x 1500 mm	
112.49002-ESD	750 x 1500 mm	

## Concept corner table frames



Corner table frame 111.49001-ESD for standard table with 600 mm depth  
Corner table frame 111.49002-ESD for standard table with 750 mm depth

(without ESD table top)



dpvlink 18754		QR
Article	Frame size	
<b>Concept corner table frames</b>		
111.49001-ESD	600 x 1000 mm	
111.49002-ESD	600 x 1200 mm	

## Concept frame with crank adjustment



Height adjustment 675-1025 mm, load capacity 200 kg. (without ESD table top)



dpvlink 18713		QR
Article	Frame size	
101.49015-ESD	600 x 1000 mm	
101.49030-ESD	750 x 1000 mm	
101.49062-ESD	900 x 1000 mm	
101.49016-ESD	600 x 1200 mm	
101.49031-ESD	750 x 1200 mm	
101.49063-ESD	900 x 1200 mm	
101.49017-ESD	600 x 1500 mm	
101.49032-ESD	750 x 1500 mm	
101.49064-ESD	900 x 1500 mm	
101.49018-ESD	600 x 1800 mm	
101.49033-ESD	750 x 1800 mm	
101.49065-ESD	900 x 1800 mm	

## Concept frame with electric adjustment



Height adjustment 700-1100 mm, load capacity 400 kg. (without ESD table top)



dpvlink 18722		QR
Article	Frame size	
103.49015-ESD	600 x 1000 mm	
103.49030-ESD	750 x 1000 mm	
103.49062-ESD	900 x 1000 mm	
103.49016-ESD	600 x 1200 mm	
103.49031-ESD	750 x 1200 mm	
103.49063-ESD	900 x 1200 mm	
103.49017-ESD	600 x 1500 mm	
103.49032-ESD	750 x 1500 mm	
103.49064-ESD	900 x 1500 mm	
103.49033-ESD	750 x 1800 mm	
103.49065-ESD	900 x 1800 mm	
103.49019-ESD	600 x 2000 mm	
103.49034-ESD	750 x 2000 mm	
103.49066-ESD	900 x 2000 mm	

## Table tops for series Concept



dpvlink 18733		QR
Article	Tabletop dimensions	
<b>Table tops for series Concept</b>		
TT-10060-ESD	600 x 1000 mm	
TT-10075-ESD	750 x 1000 mm	
TT-10090-ESD	900 x 1000 mm	
TT-12060-ESD	600 x 1200 mm	
TT-12075-ESD	750 x 1200 mm	
TT-12090-ESD	900 x 1200 mm	
TT-15060-ESD	600 x 1500 mm	
TT-15075-ESD	750 x 1500 mm	
TT-15090-ESD	900 x 1500 mm	
TT-18060-ESD	600 x 1800 mm	
TT-18075-ESD	750 x 1800 mm	
TT-18090-ESD	900 x 1800 mm	
TT-20060-ESD	600 x 2000 mm	
TT-20075-ESD	750 x 2000 mm	
TT-20090-ESD	900 x 2000 mm	

## Concept trolley ESD

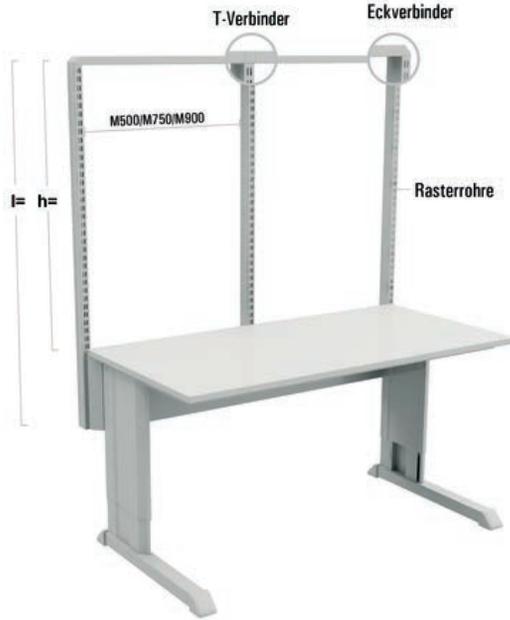


- height adjustment with socket screw
- integrated base plate
- possible complement with additional shelf or drawer unit series 30

dpvlink 25243					QR
Article	W [mm]	D [mm]	H [mm]	Load capacity	
<b>Concept trolley ESD</b>					
CONT705-49	500	700	650 - 900	150 kg	

Accessories for Concept

Accessories are attached to the work tables by means of upright tubes or upright tube modules. The modules include upright tubes, horizontal tubes, corner bracket pairs and straight bracket. The upright tubes or modules are attached to the back of the table. **The modular size (M) refers to the distance between two upright tubes from the middle of the tube. It is used to find the appropriate accessories.**



Upright tube modules



dpvlink 19302



Article Type

Height l=996 mm / h=714 mm

- 900.49003-ESD **Upright tube module ESD, M750** for Concept work tables with table width 1200 mm
- 901.49003-ESD **Upright tube module ESD, M900** for Concept work tables with table width 1000 mm and 1200 mm
- 902.49003-ESD **Upright tube module ESD, 2 x M500** for Concept work tables with table width 1000, 1200 mm
- 903.49003-ESD **Upright tube module ESD, 2 x M750** for Concept work tables with table width 1500, 1800, 2000 mm
- 904.49003-ESD **Upright tube module ESD, 2 x M900** for Concept work tables with table width 1800, 2000 mm
- 906.49003-ESD **Upright tube module ESD, 4 x M500** for Concept work tables with table width 2000 mm

Height l=1359 mm / h=1075 mm

- 900.49001-ESD **Upright tube module ESD, 1 x M750** for Concept work tables with table width 1000, 1200, 1500, 1800, 2000 mm
- 901.49001-ESD **Upright tube module ESD, 1 x M900** for Concept work tables with table width 1000, 1200, 1500, 1800, 2000 mm
- 902.49001-ESD **Upright tube module ESD, 2 x M500** for Concept work tables with table width 1000 mm and 1200 mm
- 903.49001-ESD **Upright tube module ESD, 2 x M750** for Concept work tables with table width 1500, 1800, 2000 mm
- 904.49001-ESD **Upright tube module ESD, 2 x M900** for Concept work tables with table width 1800, 2000 mm
- 905.49001-ESD **Upright tube module ESD, 3 x M500** for Concept work tables with table width 1500, 1800, 2000 mm
- 906.49001-ESD **Upright tube module ESD, 4 x M500** for Concept work tables with table width 2000 mm

Height l=1582 mm / h=1300 mm

- 900.49002-ESD **Upright tube module ESD, 1 x M750** for Concept work tables with table width 1000, 1200, 1500, 1800, 2000 mm
- 901.49002-ESD **Upright tube module ESD, 1 x M900** for Concept work tables with table width 1000, 1200, 1500, 1800, 2000 mm
- 902.49002-ESD **Upright tube module ESD, 2 x M500** for Concept work tables with table width 1000, 1200 mm
- 903.49002-ESD **Upright tube module ESD, 2 x M750** for Concept work tables with table width 1500, 1800, 2000 mm

dpvlink 19302



Article Type

- 904.49002-ESD **Upright tube module ESD, 2 x M900** for Concept work tables with table width 1800, 2000 mm
- 905.49002-ESD **Upright tube module ESD, 3 x M500** for Concept work tables with table width 1500, 1800, 2000 mm
- 906.49002-ESD **Upright tube module ESD, 4 x M500** for Concept work tables with table width 2000 mm

Upright tubes



dpvlink 18756



Article Type

- 860.02549-ESD Upright tube 30 x 60 x 1582 mm (WxDxL)
- 860.14249-ESD Upright tube 30 x 60 x 800 mm (WxDxL)
- 860.36749-ESD Upright tube 30 x 60 x 996 mm (WxDxL)
- 860.99149-ESD Upright tube 30 x 60 x 500 mm (WxDxL)
- 860.02449-ESD Upright tube 30 x 60 x 1359 mm (WxDxL)

Horizontal tubes



dpvlink 18784



Article Type

- 860.81949-ESD Horizontal tube M500
- 847.40249-ESD Horizontal tube M750
- 840.10449-ESD Horizontal tube M900

Corner bracket



dpvlink 18785



Article Type

- 848.33649-ESD Corner bracket

Straight bracket



dpvlink 18786



Article Type

- 851.82749-ESD Straight bracket

Light and balancer rail



Apart from work lights, all luminaires are fixed to light/balancer rails. Balancer rails and sliding pieces facilitate the use of tools. A sliding piece is fitted to the light/balancer rail. **The frames have a load capacity of 15 kg.** Wide front profil rail.



dpvlink 18789



Article Type

- 918.49001-ESD Rail 2 x M500 [1000 mm]
- 918.49002-ESD Rail 2 x M500/1500 [1500 mm]
- 918.49003-ESD Rail 4 x M500 [2000 mm]
- 918.49004-ESD Rail M750 [750 mm]
- 918.49005-ESD Rail M750/1500 [1500 mm]
- 918.49006-ESD Rail 2 x M750 [1500 mm]
- 918.49012-ESD Rail 3 x M750 [2250 mm]
- 918.49007-ESD Rail M900 [900 mm]
- 918.49008-ESD Rail 2 x M900 [1800 mm]
- 918.49009-ESD Rail M900/1500 [1500 mm]
- 918.49010-ESD Rail M1200 [1200 mm]
- 918.49011-ESD Rail M1350 [1350 mm]

### Shelves



- Load capacity 50 kg

**dpvlink 18802**

Article	Type	Tabletop dimensions
860.80449	Shelf M500 490 x 300 mm	490 x 300 mm
860.80549	Shelf M500 490 x 400 mm	490 x 400 mm
852.77049	Shelf M750 740 x 400 mm	740 x 400 mm
836.02849	Shelf M750 740 x 300 mm	740 x 300 mm
852.28349	Shelf M900 890 x 300 mm	890 x 300 mm
852.76949	Shelf M900 890 x 400 mm	890 x 400 mm



### Adjustable shelves



- Load capacity 100 kg

**dpvlink 18810**

Article	Type	Tabletop dimensions
920.49002	Adjustable shelf M500 470 x 650 mm	470 x 650 mm
920.49001	Adjustable shelf M500 470 x 505 mm	470 x 505 mm
920.49005	Adjustable shelf M750 720x505 mm	720 x 505 mm
920.49006	Adjustable shelf M750 720x650 mm	720 x 650 mm
920.49009	Adjustable shelf M900 870x505 mm	870 x 505 mm
920.49010	Adjustable shelf M900 870x650 mm	870 x 650 mm



### Adjustable shelves with stepless depth adjustment



- Load capacity 50 kg
- stepless depth adjustment

**dpvlink 18819**

Article	Type	Tabletop dimensions
920.49003	Adjustable shelf M500	470 x 505 mm
920.49004	Adjustable shelf M500	470 x 650 mm
920.49007	Adjustable shelf M750	720 x 505 mm
920.49008	Adjustable shelf M750	720 x 650 mm
920.49011	Adjustable shelf M750	870 x 505 mm
920.49012	Adjustable shelf M750	870 x 650 mm



### Extendable shelves



- load capacity 30 kg

**dpvlink 19265**

Article	Type	Tabletop dimensions
925.49002	Extendable shelf M750	720 x 390 mm
925.49003	Extendable shelf M900	870 x 390 mm



### Tiltable document shelves



- load capacity 5 kg
- tilting 10 - 75°

**dpvlink 19266**

Article	Type	Tabletop dimensions
860.80649	Tiltable document shelf M500	265 x 470 mm
860.11549	Tiltable document shelf M750	265 x 720 mm
860.39949	Tiltable document shelf M900	265 x 870 mm



### Adjustable auxiliary shelf



Load capacity 15 kg, tilt angle 0-25°



**dpvlink 18828**

Article	Tabletop dimensions
927.49001	560 x 340 mm
927.49002	605 x 405 mm



### Document holder



**dpvlink 18832**

Article	Tabletop dimensions
928.49008	290 x 330 mm
928.49009	418 x 330 mm



### Bin rail



for part bins and stacking bins

**dpvlink 19126**

Article	Type
859.15049	Bin rail for M500
859.15149	Bin rail for M750
859.15249	Bin rail for M900



### IT shelves



**dpvlink 18835**

Article	Type
930.49001	Monitor shelf with arm
860.94249	Keyboard and mouse tray for LCD shelf
925.49001	Keyboard tray (attached to the table top)
860.90449	Keyboard tray for monitor shelf
860.90349	Keyboard and mouse tray for monitor shelf
930.49002	LCD monitor holder with double arm
860.94149	Keyboard tray for LCD holder



Perforated plate ESD



- hole size is 9 x 9 mm
- distance from hole center to hole center 38 mm
- attachment on the upright tubes

dpvlink 20233



Article	Type
861.50149	<b>Perforated plate ESD for rear wall M500</b> 468 x 389 mm (WxH)
861.51149	<b>Perforated plate ESD for rear wall M750</b> 718 x 389 mm (WxH)
861.51249	<b>Perforated plate ESD for rear wall M750</b> 718 x 612 mm (WxH)
861.51449	<b>Perforated plate ESD for rear wall M750</b> 718 x 1003 mm (WxH)
861.51649	<b>Perforated plate ESD for rear wall M900</b> 871 x 389 mm (WxH)

Steel rear wall ESD



dpvlink 20237



Article	Type
861.54149	<b>Steel rear wall ESD for M500</b> 468 x 389 mm (WxH)
861.55049	<b>Steel rear wall ESD for M750</b> 718 x 194 mm (WxH)
861.55149	<b>Steel rear wall ESD for M750</b> 718 x 389 mm (WxH)
861.55249	<b>Steel rear wall ESD for M750</b> 718 x 389 mm (WxH)

Equipment tray ESD



dpvlink 20239



Article	Type
928.49001P	<b>Equipment tray ESD 250x250x90 mm</b>
928.49002P	<b>Equipment tray ESD 500x250x125 mm</b>
928.49003P	<b>Equipment tray ESD 500x250x125 mm</b> with heavy load arm

TED work tables



The Treston electric work table TED is equipped with a quick, silent and wide height adjustment. The ergonomic sit-stand desk is ideal for light-duty assembly work, packaging applications, research and development laboratories as well as engineering offices.

The work table can be customized with accessories providing more ergonomics, more space on the table and order. The desk withstands high loads at any height.

- wide **height adjustment range** 630–1270 mm (range **640 mm**)
- **quick and silent adjustment**
- four sizes: depth 800 mm, width 900, 1100, 1500, 1800 mm
- ESD version available
- can be adapted to different requirements with multiple accessories
- **load capacity** of the work table: **200 kg**, **load capacity** of above-desk add-ons: **80 kg**
- suitable for all standard applications

ESD work table TED - electrically height-adjustable



- fast electrically height-adjustable
- low-noise engine
- large height adjustment range 630 - 1270 mm
- table capacity up to 200 kg
- ESD version

dpvlink 25253



Article	Frame size
<b>ESD work table TED - electrically height-adjustable</b>	
TED809-49	800 x 900 mm
TED811-49	800 x 1100 mm
TED815-49	800 x 1500 mm
TED818-49	800 x 1800 mm

## Accessories for ESD work table TED



[dpvlink 25258](#)



**TTP400-49 Upright tubes (pair) ESD 400mm suitable for ESD work table TED**

- pair of upright tubes
- with flange
- fixation with screws on tabletop
- height 400 mm



**TTP790-49 Upright tubes (pair) ESD 790mm suitable for ESD work table TED**

- pair of upright tubes
- with flange
- fixation with screws on tabletop
- height 790 mm



**855.05749 Fastening kit suitable for ESD work table TED**

- suitable drawer units 30 and 35



**TCT-49 ESD Cable tray for ESD work table TED**

- hides cable below the worktop



**TDB-49 ESD Display holder suitable for ESD work table TED**

- adjustable display holder
- for light duty



**ASSA5 ESD Auxiliary steel shelf for bin rail suitable for ESD work table TED**

- auxiliary steel shelf for A5 documents, adhesive tape dispenser or manual scanner
- attachment to the bin rail



**ASSA5PP ESD Auxiliary steel shelf for perforated plate suitable for ESD work table TED**

- auxiliary steel shelf 159 x 210 mm
- for A5 documents, adhesive tape dispenser or manual scanner
- attachment to perforated plates



**890.75649 ESD Steel shelf 1500 x 300 suitable for ESD work table TED**

- ESD steel shelf
- 1500 x 300 mm (width x depth)



**890.75749 ESD Steel shelf 1500 x 400 suitable for ESD work table TED**

- ESD steel shelf
- 1500 x 400 mm (width x depth)

## Series WB



Individual and ergonomic workstations. The L-shaped feet offer high mobility, height adjustment by socket screws, hand crank and electric motor.

Construction:

Base frame made of a powder-coated steel construction according RAL 7005/ 7038, with compensating feet.

Table plate 26 mm: chipboard core coated with ESD laminate.

In compliance with ESD standard DIN EN 61340-5-1 

### Work table WB



Height adjustment by socket screws, 700 - 1100 mm, Load capacity approx. 250 kg.



[dpvlink 6776](#)



Article Tabletop dimensions

#### Work table WB

WB-815ESD	800 x 1500 mm
WB-818ESD	800 x 1800 mm

### Work table WB with hand crank



Height adjustment by hand crank, 700 - 1100 mm, load capacity approx. 250 kg.

WB-815C-ESD with cable tray WBCT 150

WB-818C-ESD with cable tray WBCT 180



[dpvlink 6779](#)



Article Tabletop dimensions

#### Work table WB with hand crank

WB-815C-ESD	800 x 1500 mm
WB-818C-ESD	800 x 1800 mm

**Work table WB with electric motor**



Height adjustment by electric motor, 700 - 1100 mm, load capacity approx. 200 kg

WB-815EL-ESD with cable tray WBCT 150  
WB-818EL-ESD with cable tray WBCT 180



**dpvlink 6782**

Article	Tabletop dimensions
<b>Work table WB with electric motor</b>	
WB-815EL-ESD	800 x 1500 mm
WB-818EL-ESD	800 x 1800 mm

**WB side worktop**



For mounting on the right or left side of an WB work table.  
Mounting either at the same height or lower.  
Load capacity 50 kg.



**dpvlink 18554**

Article	Tabletop dimensions
<b>WB side worktop</b>	
WB-804ST-ESD	800 x 400 mm

**WB corner worktop**



For mounting between two WB work tables.  
No additional frame feet required.  
Load capacity 50 kg.



**dpvlink 18556**

Article	Tabletop dimensions
<b>WB corner worktop</b>	
WB-1212CT-ESD	1154 x 1154 mm

**Attachment unit HSB**



For hanging tools and fastening workplace lights. Mounting on upright profiles AL2X



**dpvlink 6765**

Article	L [mm]
<b>Attachment unit HSB</b>	
HSB-110	1073
HSB-150	1500
HSB-180	1800

**Upright profiles AL2X**



For mounting accessories. Includes 2 vertical and 1 horizontal aluminium profile.  
Height 900 mm.



**dpvlink 1545**

Article	L [mm]	H [mm]
<b>Upright profiles AL2X</b>		
AL2X-110W	1063	900
AL2X-150W	1489	900
AL2X-180W	1789	900

**Frame AKK**



For the combination with upright profiles AL2X. Includes one vertical and one horizontal aluminium profile. Height 500 mm.



**dpvlink 1549**

Article	L [mm]	H [mm]
<b>Frame AKK</b>		
AKK-150	1419	500
AKK-180	1719	500

**Shelf ALH**



Height adjustable shelf 26 mm. Load capacity approx. 50 kg. For mounting on upright profiles.



**dpvlink 1555**

Article	L [mm]	D [mm]
<b>Shelf ALH</b>		
ALH-110ESD	1073 mm	310 mm
ALH-150ESD	1500 mm	310 mm
ALH-180ESD	1800 mm	310 mm

**Shelf ASH**



Depth, height and tilt steplessly adjustable. Load capacity approx. 35 kg. ESD laminate, For mounting on the frame.

ASH-70 ESD suitable for WB-815/ WB-818 ESD  
ASH-100 ESD suitable for WB-818 ESD



**dpvlink 1558**

Article	L [mm]	D [mm]
<b>Shelf ASH</b>		
ASH-70ESD	660 mm	400 mm
ASH-100ESD	960 mm	400 mm

**Box rail BP**



For storage boxes and part bins. Mounting on the frame.



**dpvlink 6769**

Article	L [mm]
<b>Box rail BP</b>	
BP-70ESD	685
BP-100ESD	985

**Perforated plate ARL**



Plate made of powder-coated sheet steel. Holes 9 x 9 mm in a 38 mm grid. For mounting on the frame AKK.



**dpvlink 1566**

Article	Tabletop dimensions
<b>Perforated plate ARL</b>	
ARL-70	500 x 670 mm
ARL-100	500 x 970 mm

### Swivel arm AKV



Inclinable surface with brake. Made of steel, dissipative powder coating. Arm length 590 mm. Load capacity max. 15 kg. Mounting on the upright profiles AL2X.



dpvlink 1578			
Article	L [mm]	W [mm]	H [mm]
<b>Swivel arm AKV</b>			
AKV-400ESD	590	460	210



### Swivel arm MA



The quick-release mechanism ist equipped with the standard mount suitable for all conventional **flat screens** (75x75 and 100x100). The arm is double articulated, turns through a radius of 180°, extends between 95-425 mm from the upright. For the mounting to TPH work tables, a connector AS2 is required. Load capacity 10 kg.



dpvlink 18572	
Article	Load capacity
<b>Swivel arm MA</b>	
MA	10 kg
AS2	



### Swivel arm MA2



The quick-release mechanism ist equipped with the standard mount suitable for all conventional **flat screens** (75x75 and 100x100). The arm is double articulated, turns through a radius of 180°, extends between 95-425 mm from the upright. For the mounting to TPH work tables, a connector HKC-MA2 is required. Load capacity 15 kg.



dpvlink 18575	
Article	Load capacity
<b>Swivel arm MA2</b>	
MA2	15 kg



### CC cable clip set



The cable clips hold cables etc. firmly and neatly in place along the work table frame. They snap in the 12 mm profile slots. Load capacity 15 kg.



dpvlink 18579	
Article	Load capacity
<b>CC cable clip set</b>	
CC-12	15 kg



## Energy rails



### Energy rails



Energy rails for series TP/TPH, WB, Concept and TED

Supports for mounting on Treston work benches included

dpvlink 25229	
Article	Type



TPR3-001	<b>Energy rail TPR3-001</b> with 3 Schuko sockets and 2x USB charge socket Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR4-001	<b>Energy rail TPR4-001</b> with 6 Schuko sockets, switch and 2x USB charge socket Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR4-003	<b>Energy rail TPR4-003</b> with 6 Schuko sockets, switch, 2x USB charge socket, type A and 2x network connector CAT6A Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR4-004	<b>Energy rail TPR4-004</b> with 6 Schuko sockets, switch and RCD Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR4-005	<b>Energy rail TPR4-005</b> with 6 Schuko sockets and switch Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR7-001	<b>Energy rail TPR7-001</b> with 5 Schuko sockets, switch and 2x USB charge socket Mounting on M750 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR7-003	<b>Energy rail TPR7-003</b> with 5 Schuko sockets, switch, 2x USB charge socket, type A and 2x network connector CAT6A Mounting on M750 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR7-008	<b>Energy rail TPR7-008</b> with 4 Schuko sockets, switch, RCD and 2x USB charge socket Mounting on M750 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR9-001	<b>Energy rail TPR9-001</b> with 6 Schuko sockets, switch and 2x USB charge socket Mounting on M900 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR9-003	<b>Energy rail TPR9-003</b> with 6 Schuko sockets, switch, 2x USB charge socket, type A and 2x network connector CAT6A Mounting on M900 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR9-010	<b>Energy rail TPR9-010</b> with 6 Schuko sockets, switch, RCD and 2x USB charge socket Mounting on M900 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR14-001	<b>Energy rail TPR14-001</b> with 6 Schuko sockets, switch and 2x USB charge socket Mounting on/underneath the tabletop/shelf
TPR14-010	<b>Energy rail TPR14-010</b> with 6 Schuko sockets, switch RCD and USB charge socket Mounting on/underneath the tabletop/shelf
TPR17-001	<b>Energy rail TPR17-001</b> with 6 Schuko sockets, switch and 2x USB charge socket Mounting on/underneath the tabletop/shelf
TPR17-010	<b>Energy rail TPR17-010</b> with 6 Schuko sockets, switch, RCD and 2x USB charge socket Mounting on/underneath the tabletop/shelf

Energy rails - version Switzerland



Energy rails for series TP/TPH, WB, Concept and TED

Supports for mounting on Treston work benches included

dpvlink 25535



Article	Type
TPR3-001.CH	<b>Energy rail TPR3-001.CH</b> with 3 Schuko sockets (version CH) and 2x USB charge socket Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR4-001.CH	<b>Energy rail TPR4-001.CH</b> with 6 Schuko sockets (version CH), switch and 2x USB charge socket Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR4-003.CH	<b>Energy rail TPR4-003.CH</b> with 6 Schuko sockets (version CH), switch, 2x USB charge socket and 2x network connector CAT6A Mounting on M900 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR4-004.CH	<b>Energy rail TPR4-004.CH</b> with 4 Schuko sockets (version CH), switch and RCD Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR4-005.CH	<b>Energy rail TPR4-005.CH</b> with 6 Schuko sockets (version CH) and switch Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR7-001.CH	<b>Energy rail TPR7-001.CH</b> with 5 sockets (version CH), switch and 2x USB charge socket Mounting on M750 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR7-003.CH	<b>Energy rail TPR7-003.CH</b> with 5 Schuko sockets (version CH), switch, 2x USB charge socket and 2x network connector CAT6A Mounting on M750 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR7-008.CH	<b>Energy rail TPR7-008.CH</b> with 4 Schuko sockets (version CH), switch, RCD and 2x USB charge socket Mounting on M750 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR9-001.CH	<b>Energy rail TPR9-001.CH</b> with 6 Schuko sockets (version CH), switch and 2x USB charge socket Mounting on M900 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR9-003.CH	<b>Energy rail TPR9-003.CH</b> with 6 Schuko sockets (version CH), switch, 2x USB charge socket and 2x network connector CAT6A Mounting on M900 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR9-010.CH	<b>Energy rail TPR9-010.CH</b> with 6 Schuko sockets (version CH), switch, RCD and 2x USB charge socket Mounting on M900 upright tube or AL2X aluminum profile, on or underneath the tabletop
TPR14-001.CH	<b>Energy rail TPR14-001.CH</b> with 6 Schuko sockets (version CH), switch and RCD Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR14-010.CH	<b>Energy rail TPR14-010.CH</b> with 6 Schuko sockets (version CH), switch, RCD and 2x USB charge socket Vertical mounting on vertical upright profiles, perforated plates, on or underneath the tabletop
TPR17-001.CH	<b>Energy rail TPR17-001.CH</b> with 6 Schuko sockets (version CH), switch and 2x USB charge socket Mounting on/underneath the tabletop/shelf
TPR17-010.CH	<b>Energy rail TPR17-010.CH</b> with 6 sockets (version CH), switch, RCD and 2x USB charge socket Mounting on/underneath the tabletop/shelf

Lighting NaturLite LED



Natural workstation lighting for industrial environments

Good, adjustable workstation lighting is essential for high work quality and the well-being of employees. The right amount of light at the right time also increases productivity and reduces errors in industrial environments.

Treston NaturLite LED is a natural workstation lighting solution providing individual controllability to industrial environments.

Achieve your full potential with:

- adjustable color shade
- adjustable brightness
- effective performance

Workstation light NaturLite LED Wing 500



The Treston NaturLite LED Wing 500 is a perfect sidelight solution providing a working area with or without shadows depending on the requirements of the currently performed task.

- color temperature 4000 K
- touch dimmer switch for on/off and dimming in the luminaire housing
- suitable for all workbenches of series TP, WB and Concept

dpvlink 21602



Article Type

TNL500W **Workstation light NaturLite LED Wing 500**  
430 x 120 x 50 mm (WxDxH) (+ fixation 95/120 mm)

**Workstation light NaturLite LED 900**



The Treston NaturLite LED 900 fulfills all requirements of a high-quality industrial workstation lighting.

- color temperature 4000 K
- touch dimmer switch for on/off and dimming in the luminaire housing
- suitable for all workbenches of series TP, WB and Concept

**dpvlink 21598**



Article	Type
TNL900	<b>Workstation light NaturLite LED 900</b> 900 x 120 x 50 mm (WxDxH)

**Workstation light NaturLite LED 1200**



The Treston NaturLite LED 1200 fulfills all requirements of a high-quality industrial workstation lighting.

- color temperature 4000 K
- one-touch dimmer switch for on/off and dimming in the luminaire housing
- suitable for all workbenches of series TP, WB and Concept

**dpvlink 21596**



Article	Type
TNL1200	<b>Workstation light NaturLite LED 1200</b> 1180 x 120 x 50 mm (WxDxH)

**Workstation light NaturLite LED Plus 1200**



The Treston NaturLite LED Plus 1200 is as natural as artificial light can be. The turnable white allows the color temperature to be adjusted between 2700 K and 6500 K. The light is also dimmable, providing lighting that suits each individual person and the task in hand.

- turnable white: 2700 K - 6500 K
- control via mobile app or separate remote control
- suitable for all workbenches of series TP, WB and Concept

**dpvlink 21600**



Article	Type
TNL1200P	<b>Workstation light NaturLite LED Plus 1200</b> 1180 x 120 x 50 mm (WxDxH)

**Accessories**

TNLPR	Remote control for NaturLite LED Plus 1200P
TNLPR	Remote control for NaturLite LED Plus 1200P

**Lighting IntoLite**

**Workstation lamp IntoLite LED**



Treston LED workstation lamp TIL850 assures optimal light of good quality and has the basic features for an optimal illumination of the workstation.

A good and adjustable workstation lighting is of vital importance for the work quality and the well-being of the employees. The right amount of light at the right time also increases the productivity and reduces the risk of errors in industrial environment.s

- color temperature 4000 K
- LED service life 50,000 hours
- illumination of 1800 Lux (lumen per square meter)
- suitable for all work benches of the series TP, WB and Concept

**dpvlink 23995**



Article	Type
TIL850	<b>Workstation lamp IntoLite LED</b> 850 x 67 x 80 mm (WxDxH)

**Series LMC drawer units**

**Drawer unit LMC**



New narrow drawer unit series. Modern industrial design. They are ideal for limited place capacities. The front walls and the handles are rounded. Load capacity approx. 15 kg per drawer 

- Drawer height 100 mm
- Slide rails up to 75% opening
- Holder, central locking
- powder-coated sheet steel, RAL 7035
- Front wall made with MDF board
- Suitable for work tables of the series TP, TPH, and WB.

For WB tables we recommend the models LMC 01/LMC-02 ESD. The holder LMCK 2 is required for mounting on WB tables.

**dpvlink 1601**



	LMC-01ESD <b>Drawer unit LMC-01 ESD</b> External dimensions: 460 x 370 x 135 mm / DxWxH with 1 drawer, height 100 mm
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	LMC-02ESD <b>Drawer unit LMC-02 ESD</b> External dimensions: 460 x 370 x 245 mm / DxWxH with 2 drawers, height 100 mm
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	LMC-04ESD <b>Drawer unit LMC-04 ESD</b> External dimensions: 460 x 370 x 455 mm / DxWxH with 4 drawers, height 100 mm
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	LMC-04-DESD <b>Drawer unit LMC-04-D ESD</b> External dimensions: 460 x 370 x 455 mm / DxWxH with 1 drawer, height 100 mm and door height 300 mm.
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	LMCK-2 <b>Holder LMCK 2</b> needed for mounting LMC drawer units at WB work tables.
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Drawer units series 30 and 35

Drawer unit 30 and 35 **TRESTON** 

These drawer units are mounted under a work table to provide storage space. You can choose a single drawer, two drawers or drawer cabinet. Additional drawers can be easily attached to each other. The drawers can be locked. 

- drawer height 110/150 mm
- lockable
- load capacity 10 kg/drawer

**dpvlink 18605** 

Article	Type
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859.33049  
**Drawer unit 30/15 ESD**  
1 drawer, height: 1 x 150 mm  
External dimensions: 300 x 454 x 150 mm (W x D x H)  
Internal dimensions: 255 x 400 x 120 mm (W x D x H)



859.34049  
**Drawer unit 30/22 ESD**  
2 drawers, height: 2 x 110 mm  
External dimensions: 300 x 454 x 220 mm (W x D x H)  
Internal dimensions: 255 x 400 x 75 mm (W x D x H)



860.97249  
**Drawer unit 35/47 ESD**  
1 drawer + cabinet, height: 1 x 110 mm + cabinet  
External dimensions: 300 x 470 x 470 mm (W x D x H)  
Internal dimensions: 300 x 400 x 70 mm (w x D x H)



Drawer units series 45

Drawer unit 45/14 and 45/26 **TRESTON** 

- Opening 100%
- Internal dimensions of the drawers: 380x500x90 mm
- External dimensions of the drawers: 450x520x140/260 



**dpvlink 18769** 

Article	Type
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603.49001	<b>Drawer unit standard 45/14-1</b> 1 drawer, height: 1 x 100 mm, load capacity 60 kg/drawer
604.49001	<b>Drawer unit standard 45/26-1</b> 2 drawers, height: 2 x 100 mm, load capacity 60 kg/drawer

Drawer unit 45/66 **TRESTON** 

Centrally locked high-quality steel drawer units for the storage of tools and small components. Mounted with brackets under the work table. Also available as a trolley with castors. The drawer units are epoxy powder coated. Color grey (RAL 7035). Central locking. Full width drawer handle in anodized aluminium. Smooth and quiet telescopic ball-bearing rails with opening of 375 mm. Drawer size 380x500 mm. 



Gleitschienen bis 100% Auszug | Tragfähigkeit 60 Kg/Schublade

- drawer height 100/150/200/300 mm
- sliding rails up to 100 % pull-out
- load capacity 60 kg/drawer
- central locking
- available in 3 versions: standard, with plinth, with castors
- external dimensions:  
450 x 520 x 560 mm (standard)  
450 x 520 x 760 mm (with plinth)  
450 x 520 x 800 mm (with castors)

Drawer height	Internal dimensions
100 mm	380 x 500 x 90 mm
150 mm	380 x 500 x 140 mm
200 mm	380 x 500 x 190 mm
300 mm	380 x 500 x 290 mm

**dpvlink 18617** 

Article	Type
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607.49101	<b>Drawer unit standard 45/66-1 ESD</b> 6 drawers, height: 6 x 100 mm
607.49102	<b>Drawer unit standard 45/66-2 ESD</b> 5 drawers, height: 3 x 100 mm, 2 x 150 mm
607.49103	<b>Drawer unit standard 45/66-3 ESD</b> 4 drawers, height: 1 x 100 mm, 2 x 150 mm, 1x 200 mm
607.49104	<b>Drawer unit standard 45/66-4 ESD</b> 4 drawers, height: 4 x 150 mm
607.49105	<b>Drawer unit standard 45/66-5 ESD</b> 5 drawers, height: 4 x 100 mm, 1 x 200 mm
607.49106	<b>Drawer unit standard 45/66-6 ESD</b> 4 drawers, height: 2 x 100 mm, 2 x 200 mm
607.49107	<b>Drawer unit standard 45/66-7 ESD</b> 3 drawers, height: 3 x 200 mm
607.49112	<b>Drawer unit standard 45/66-12 ESD</b> 4 drawers, height: 3 x 100 mm, 1 x 300 mm
607.49113	<b>Drawer unit standard 45/66-13 ESD</b> 3 drawers, height: 2 x 150 mm, 1 x 300 mm
607.49114	<b>Drawer unit standard 45/66-14 ESD</b> 3 drawers, height: 1 x 100 mm, 1 x 200 mm, 1x 300 mm
607.49115	<b>Drawer unit standard 45/66-15 ESD</b> 2 drawers, height: 2 x 300 mm
607.49201	<b>Drawer unit with plinth 45/66-1 ESD</b> 6 drawers, height: 6 x 100 mm
607.49202	<b>Drawer unit with plinth 45/66-2 ESD</b> 5 drawers, height: 3 x 100 mm, 2 x 150 mm
607.49203	<b>Drawer unit with plinth 45/66-3 ESD</b> 4 drawers, height: 1 x 100 mm, 2 x 150 mm, 1x 200 mm
607.49204	<b>Drawer unit with plinth 45/66-4 ESD</b> 4 drawers, height: 4 x 150 mm
607.49205	<b>Drawer unit with plinth 45/66-5 ESD</b> 5 drawers, height: 4 x 100 mm, 1 x 200 mm
607.49206	<b>Drawer unit with plinth 45/66-6 ESD</b> 4 drawers, height: 2 x 100 mm, 2 x 200 mm
607.49207	<b>Drawer unit with plinth 45/66-7 ESD</b> 3 drawers, height: 3 x 200 mm
607.49212	<b>Drawer unit with plinth 45/66-12 ESD</b> 4 drawers, height: 3 x 100 mm, 1 x 300 mm
607.49213	<b>Drawer unit with plinth 45/66-13 ESD</b> 3 drawers, height: 2 x 150 mm, 1 x 300 mm
607.49214	<b>Drawer unit with plinth 45/66-14 ESD</b> 3 drawers, height: 1 x 100 mm, 1 x 200 mm, 1x 300 mm
607.49215	<b>Drawer unit with plinth 45/66-15 ESD</b> 2 drawers, height: 2 x 300 mm

**dpvlink 18617**

Article	Type
607.49301	<b>Drawer unit with castors 45/66-1 ESD</b> 6 drawers, height: 6 x 100 mm
607.49302	<b>Drawer unit with castors 45/66-2 ESD</b> 5 drawers, height: 3 x 100 mm, 2 x 150 mm
607.49303	<b>Drawer unit with castors 45/66-3 ESD</b> 4 drawers, height: 1 x 100 mm, 2 x 150 mm, 1x 200 mm
607.49304	<b>Drawer unit with castors 45/66-4 ESD</b> 4 drawers, height: 4 x 150 mm
607.49305	<b>Drawer unit with castors 45/66-5 ESD</b> 5 drawers, height: 4 x 100 mm, 1 x 200 mm
607.49306	<b>Drawer unit with castors 45/66-6 ESD</b> 4 drawers, height: 2 x 100 mm, 2 x 200 mm
607.49307	<b>Drawer unit with castors 45/66-7 ESD</b> 3 drawers, height: 3 x 200 mm

- further versions available -

**Drawer unit 45/56**

**dpvlink 23068**

Article	Type
606.49111	<b>Drawer unit standard 45/56-1 ESD</b> 2 drawers, height: 1 x 100 mm, 1 x 300 mm
606.49103	<b>Drawer unit standard 45/56-3 ESD</b> 4 drawers, height: 3 x 100 mm, 1 x 200 mm
606.49104	<b>Drawer unit standard 45/56-4 ESD</b> 3 drawers, height: 1 x 100 mm, 2 x 200 mm
606.49107	<b>Drawer unit standard 45/56-7 ESD</b> 3 drawers, height: 2 x 150 mm, 1 x 200 mm
606.49202	<b>Drawer unit with plinth 45/56-2 ESD</b> 4 drawers, height: 2 x 100 mm, 2 x 150 mm
606.49203	<b>Drawer unit with plinth 45/56-3 ESD</b> 4 drawers, height: 3 x 100 mm, 1 x 200 mm
606.49204	<b>Drawer unit with plinth 45/56-4 ESD</b> 3 drawers, height: 1 x 100 mm, 2 x 200 mm
606.49207	<b>Drawer unit with plinth 45/56-7 ESD</b> 3 drawers, height: 2 x 150 mm, 1 x 200 mm
606.49211	<b>Drawer unit with plinth 45/56-11 ESD</b> 2 drawers, height: 1 x 100 mm, 1 x 300 mm
606.49301	<b>Drawer unit with castors 45/56-1 ESD</b> 5 drawers, height: 5 x 100 mm
606.49302	<b>Drawer unit with castors 45/56-2 ESD</b> 4 drawers, height: 2 x 100 mm, 2 x 150 mm
606.49303	<b>Drawer unit with castors 45/56-3 ESD</b> 4 drawers, height: 3 x 100 mm, 1 x 200 mm
606.49304	<b>Drawer unit with castors 45/56-4 ESD</b> 3 drawers, height: 1 x 100 mm, 2 x 200 mm
606.49307	<b>Drawer unit with castors 45/56-7 ESD</b> 3 drawers, height: 2 x 150 mm, 1 x 200 mm

**Fastening sets for drawer units 30, 35 and 45**


The fastening set must be chosen as per table model. In case of the work tables WB/TP, the fastening set is already included. 

854.46349 is **not suitable** for motorized Concept work tables with a depth of 600 mm and tables with crank for 600 mm deep Concept work tables!!!

**dpvlink 18846**

Article	Type
854.46349	<b>for motorized Concept table</b>
855.05449	<b>for 700 mm and 900 mm TP work table</b>

**Cover**


Is needed to prevent reaching (from above) in to the drawer units from the stock range (only required for mounting to WB work tables).

**dpvlink 19022**

Article	Type
855.06049	<b>Cover</b>

**ESD Mobile workstation**
**Mobile workstation MLC**


A laptop can be placed either on the work surface or in the enclosure underneath (only the screen is visible in this case). With many possibilities for mounting accessories, for keeping the work surface clear (mountable on the surrounding Euro).

Dimensions (WxDxH): 590 x 540 x 800-1200 mm

Work surface dimensions: 520 x 370 x 25 mm

castors: Ø 125 mm, two with brake


**dpvlink 18581**

Article	Type	W [mm]	D [mm]	H [mm]	Load capacity
MLC-405PG-ESD	Mobile workstation	590	540	800 - 1200	12 kg

**Mobile workstation MLCT**


Mobile, ergonomic workstation that can be easily adjusted in height for ESD-protected environments (EPA).

Dimensions workstation (WxDxH): 600 x 500 x 760-1185 mm

castors: Ø 100 mm, 4 swivel castors, two with brake

Total load capacity: 40 kg, capacity of the work surface: 25 kg


**dpvlink 24728**

Article	Type	W [mm]	D [mm]	H [mm]	Load capacity
MLCT-605PG-ESD	Mobile workstation MLCT	600	500	760 - 1185	25 kg

Accessories



dpvlink 18587



Article	Type
KH620N	Keyboard and mouse tray
FH1	Folder tray
FH3	Folder tray
MH	Screen bracket
MS	Swivel arm for screen
MY	Tablet bracket

Einfach und übersichtlich zu Ihrem individuellen Treston-Wunscharbeitsplatz.

Online konfigurieren und Angebot anfordern!

**TRESTON**  
3D  
Designer  
Concept Arbeitsfläche



Individual solutions - configure online  
Configurator Treston 3D workstation planner

ESD Universal cabinets

Shelf cabinet ESD with double doors



- high-quality sectional steel shelf cabinet
- with conductive epoxy powder coating
- color: light grey, RAL 7035
- standard equipment: cabinet lock with two keys
- sturdy double doors
- 2 or 4 shelves, adjustable feet
- steel cabinet plinth, welded
- after removing the plinth panel, the cabinet can be transported with fork-lift or lift truck
- high load capacity per shelf 100 kg.
- Typical bleeder resistance  $R_G = 10^6 - 10^8 \text{ Ohm}$

**Type 2** - 2 shelves

**Type 4** - 4 shelves

dpvlink 18583



Article	Ausführung	T	B	H [mm]
C-305.49001	Shelf cabinet ESD, type 2	425	800	1000
C-309.49001	Shelf cabinet ESD, type 4	425	800	2000

Accessories for shelf cabinet ESD



dpvlink 18595



Article	Ausführung	T	B	H [mm]
854.34549	Shelf 80	396	730	32
854.34649	Drawer 80	362	730	90
835.63349	Perforated plate	763	640	

Cleanroom



Cleanrooms are designed for special manufacturing procedures. Especially in the semiconductor manufacture particles in the surrounding air may cause lasting damage on circuits. In order to prevent such damage, the air has to be filtered constantly. In addition to the air purification, precautions should be taken to prevent that as few particles as possible get into the cleanroom. This is achieved by tools, cleaning sticks and also office supplies that are suitable for the use in cleanrooms. Of course, also surfaces such as working places, chairs and cleanroom clothes have to be abrasion-resistant.

**Cleanroom clothes** have to

- prevent efficiently the particle release
- protect the employee against high air speeds (draft effects)
- provide a certain permeability for air and water steam
- be antistatic or dissipative
- be considered as comfortable to wear
- consist of narrow-pore synthetic textiles

**Work utilities** (such as work material, consumables, furniture etc.) have to

- be made of low-abrasion plastics
- possess a fully closed surface to be cleaned easily and according to cleanroom standards
- individually packaged (consumables such as disposable gloves cleaning wipes)

Cleanroom cleaning sticks / Swabs

**ESD cleaning sticks / Swabs – polyurethane (PU)** 



- Head: polyurethane (PU) foam
- stick: polypropylene
- cleanroom class 100 / ISO 5

In compliance with the ESD standard DIN EN 61340-5-1 

Article	Type
1000.301	<b>ESD cleaning sticks PU</b> Head: 4.7 x 20.6 mm Stick: 2.5 x 131.8 mm PU = 50 pieces
1000.300	<b>ESD cleaning sticks PU</b> Head: 4.0 x 14.2 mm Stick: 2.3 x 62 mm PU = 50 pieces

**Cleaning sticks / Swabs - polyurethane (PU)**



- Head: polyurethane (PU) foam
- stick: polypropylene
- cleanroom class 100 / ISO 5

Article	Type
1000.325	<b>Cleaning sticks PU</b> Head: 4.8 x 15 mm Stick: 3 x 137.3 mm PU = 500 pieces

**ESD cleaning sticks Sticky Swabs**



Sticky Swabs - ESD cleaning sticks for the use in cleanroom environments (ISO 4, ISO 5)  
For removing particles from tight, difficult to reach areas

- ESD safe
- soft, absorbing, non-abrasive tip
- lint-free
- leaves no adhesive residues
- cleanroom class 100 / ISO 5

In compliance with the ESD standard DIN EN 61340-5-1 

Article	Type
I-IT01401/10	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 1 mm, stick: 2.0 x 70 mm 10 pieces/box
I-IT01401/25	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 1 mm, stick: 2.0 x 70 mm 25 pieces/box
I-IT01402/10	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 2 mm, stick: 2.0 x 70 mm 10 pieces/box
I-IT01402/25	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 2 mm, stick: 2.0 x 70 mm 25 pieces/box
I-IT01403/10	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 3 mm, stick: 2.0 x 70 mm 10 pieces/box
I-IT01403/25	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 3 mm, stick: 2.0 x 70 mm 25 pieces/box
I-IT0140123/75	<b>ESD cleaning sticks Sticky Swabs set</b> 25 x ø head 1 mm, 25 x ø head 2 mm, 25 x ø head 3 mm Mixed box with 75 pieces

Cleanroom office supplies

**Cleanroom paper single sheet** 



- for copiers and printers
- cleanroom class 100 / ISO 5
- latex-free
- autoclavable
- antistatic

In compliance with the ESD standard DIN EN 61340-5-1 

Article	DIN Size	Color	PU
<b>Cleanroom paper single sheet</b>			
1000.900	DIN A4	white	250 piece
1000.901	DIN A4	light blue	250 piece

### Cleanroom notebooks



- spiral binding
- 80 g/m<sup>2</sup>
- 50 sheets/book
- squared
- can be written on both sides
- color: white
- cleanroom class 1000 / ISO 6

dpvlink 22879



Article	Type
<b>Cleanroom notebooks</b>	
1000.925	Cleanroom notebook DIN A 4
1000.926	Cleanroom notebook DIN A 5

### Cleanroom wipes

#### Cleanroom wipes microfiber



- 100% microfiber
- laser-cut edges
- especially suitable for optical and glass industry
- cleanroom class 10 / ISO 4

dpvlink 22882



Article	Type
1000.240	<b>Cleanroom microfiber wipe 23 x 23 cm</b> PU = 100 pieces

#### Cleanroom wipes polyester / cellulose



- polyester / cellulose
- Nonwoven combines the absorbency of natural fibers with the purity and strength of a synthetic material.
- very good wet strength
- cleanroom class 100 / ISO 5 or 1000 / ISO 6

dpvlink 22884



Article	Type
1000.220	<b>Polyester / cellulose cleanroom wipe 23 x 23 cm</b> cleanroom class 1000 / ISO 6 PU = 300 pieces
1000.221	<b>Polyester / cellulose cleanroom wipe 23 x 23 cm</b> cleanroom class 100 / ISO 5 PU = 150 pieces

#### Cleanroom wipes polyester



- 100% endless polyester filaments
- color: white
- quick moisture absorption
- very high absorbing power and speed
- sealed edged
- cleanroom class 100 / ISO 5

dpvlink 22886



Article	Type
1000.200	<b>Cleanroom polyester wipe 23 x 23 cm</b> PU = 150 pieces

### Cleanroom gloves

#### ESD Cleanroom gloves nitrile



- nitrile gloves
- antistatic
- can be worn on both sides
- powder-free
- very good skin compatibility
- extremely flexible
- good chemical resistance
- usable up to cleanroom class ISO 5
- length 300 mm
- sizes S - XXL

dpvlink 22893



Article	Type
1000.520	<b>Nitrile cleanroom gloves textured fingertips</b> Color white Cleanroom class 100 / ISO 5 PU = 100 pieces
1000.521	<b>Nitrile cleanroom gloves textured fingertips</b> color blue cleanroom class 100 / ISO 5 PU = 100 pieces

#### Cleanroom gloves latex



- latex gloves
- can be worn on both sides
- powder-free
- very good skin compatibility
- extremely flexible
- good chemical resistance
- usable up to cleanroom class 100
- length 300 mm
- sizes S - XXL

dpvlink 22899



Article	Type
1000.550	<b>Latex cleanroom gloves textured fingertips</b> Color white Cleanroom class 100 / ISO 5 PU = 100 pieces

#### Disposable vinyl gloves ESD



- antistatic
- long design
- suitable for ISO 5
- PU = 1.000 pcs per box
- Available sizes: S, M, L, XL

In compliance with the ESD standard 61340-5-1 

dpvlink 427



Article	Type	Size
2750.000	Vinyl glove	S-XL

Cleanroom clothing

Cleanroom overalls



DPV cleanroom overalls suitable for cleanrooms and ESD-safe  
Material: 110 g/m<sup>2</sup> (98 % polyester and 2% conductive fibers)

- lapel collar
- covered zipper
- raglan sleeves
- knitted cuffs on arms
- adjustable snaps on legs
- adjustable buttonhole elastic in waist
- snap counterpart for hood
- clip band dispositive for name labeling
- name tape
- thigh pocket with flap on the right
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)



On request also available in light blue.

dpvlink 21424

Article	Color	Size
<b>Cleanroom overalls</b>		
1010.RR-101	white	S-XXL
1010.RR-201	light blue	S-XXL

Sizes 3XL to 5XL on request



Cleanroom all-around protection hood



- Zipper in front
- with shoulder cover
- adjustment possible with buckle on the back
- large head harness
- snap fixture for mask
- ear insert
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21432

Article	Color	Size
1010.RR-107	white	S-XXL
1010.RR-207	light blue	S-XXL



Cleanroom mask



- for buttoning in the all-around protection hood
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21444

Article	Color	Size
1010.RR-108	white	one size
1010.RR-208	light blue	one size



Cleanroom coat



DPV cleanroom coat suitable for cleanrooms and ESD-safe  
Material: 110 g/m<sup>2</sup> (98 % polyester and 2% conductive fibers)

- lapel collar
- snaps in front
- raglan sleeves
- clip band fixture for name labeling
- name tape
- knitted cuffs on arms
- 1 breast pocket
- 2 hip pockets
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)



On request also available in light blue.

dpvlink 21428

Article	Color	Size
<b>Cleanroom coat</b>		
1010.RR-102	white	S-XXL
1010.RR-202	light blue	S-XXL



Sizes 3XL to 5XL on request

Cleanroom overboot



- high version
- plastic outsole
- with zipper
- clip fastener over instep for optimal fit
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21441

Article	Color	Size
1010.RR-112	white	S-XXL
1010.RR-212	light blue	S-XXL



Cleanroom overshoe



- angle-high
- plastic outsole
- elastic
- antistatic 
- usable up to cleanroom class ISO 4 (class 10)

dpvlink 21438

Article	Color	Size
<b>Cleanroom overshoe</b>		
1010.RR-114	white	S-XXL
1010.RR-214	light blue	S-XXL



Reusable cap Type HB 120



- Reusable cap
- color white
- material: 98% polyester, 2% carbonized yarn
- suitable for clean production areas
- cleanroom class 100 (ISO 5)
- PU = 10 pieces

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 8291

Article	Type	
2760.HB120	Reusable cap Type HB-120	white



Special shoes

Special clog



Special clog made of autoclavable, sterilizable special material with foldable heel strap; comfortable fit; **autoclavable at 135° C**, washable at 60° C, suitable for cleanroom; outsole slip-resistant outsole (SRC).



dpvlink 10057

Article	Color	Size	Category
<b>Special clog</b>			
AB-39600	white	35-46	OB
AB-39630	orange	36-46	OB
AB-39620	green	35-46	OB
AB-39610	blue	35-46	OB



Cleanroom loafer



Cleanroom loafer with integrated footbed. Upper A-micro, breathable; elastic band over instep; decontaminable up to 30 times; washable up to 60°C; extremely light, oil- and benzine-resistant PU air cushion outsole, slip-resistant (SRA).



cushion



dpvlink 8771

Article	Color	Size	Category
<b>Cleanroom loafer</b>			
AB-32370	white	35-47	01



Cleanroom boots



Cleanroom boots. Upper microfiber; washable at 30°C (material must be checked, because it can lose its function); oil- and benzine-resistant PU outsole, slip-resistant (SRA).

Minimum order quantity required!



dpvlink 14481

Article	Color	Size	Category
<b>Cleanroom boots</b>			
AB-3620	white	35-47	OB



Cleanroom shoe with gaiter



Cleanroom shoe with gaiter. Upper leather, perforated; gaiter cleanroom textile as requested; oil- and benzine-resistant PU outsole, slip-resistant (SRA).

Minimum order quantity required !



dpvlink 14483

Article	Color	Size
<b>Cleanroom shoe with gaiter</b>		
AB-1144	white	35-48



## Overshoes

### Overshoes



- Cleanroom overshoe
- ankle-high
- elastic band
- upper integrity 1750 antibacterial
- synthetic leather outsole

In compliance with the ESD standard DIN EN 61340-5-1 



#### dpvlink 10145

Article	Type	Size	Color	
1000.3900.36-37	Overshoes size 1	36-37	white	
1000.3900.38-39	Overshoes size 2	38-39	white	
1000.3900.40-43	Overshoes size 3	40-43	white	
1000.3900.44-46	Overshoes size 4	44-46	white	
1000.3900.47-48	Overshoes size 5	47-48	white	
1000.3910.36-37	Overshoes size 1	36-37	light blue	
1000.3910.38-39	Overshoes size 2	38-39	light blue	
1000.3910.40-43	Overshoes size 3	40-43	light blue	
1000.3910.44-46	Overshoes size 4	44-46	light blue	
1000.3910.47-48	Overshoes size 5	47-48	light blue	

## Tacky mats

### Tacky mats permanent

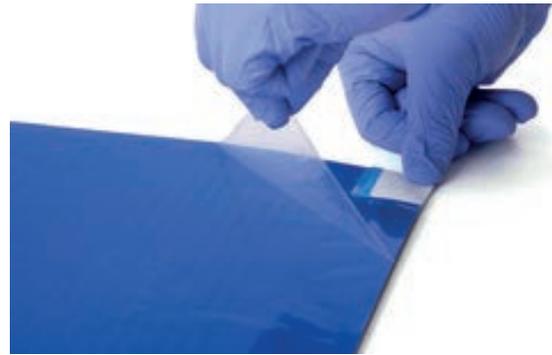


Permanently tacky mat; cleanable only with warm water, mat regains its adhesive properties after drying.

#### dpvlink 442

Article	W [mm]	L [mm]	Thickness [mm]	
1000.105.3	1200	600	3	
1000.106.3	1000	1000	3	
1000.105.5	1200	600	6	
1000.106.5	1000	1000	6	

## Foil tacky mats 30 layers



Foil tacky mats with high adhesive force, 30 layers with sequential numbering, in case of decreasing adhesive force, just remove the dirty foil, the new foil is immediately ready for use.

#### dpvlink 437

Article	W [mm]	L [mm]	Color	
1000.030.1	1140	460	white / transparent	
1000.030.3	1140	610	white / transparent	
1000.030.1.blau	1140	460	blue	
1000.030.3.blau	1140	610	blue	

## Accessories for foil tacky mats



### Frame for mat size 1140 x 610 mm

- rubber frame to edge foil tacky mats
- sloping edges
- cut-out inner part
- easy insertion of the mats
- ideal for sliding
- height 2 to 5 mm
- edge width 70 mm
- color dark grey

#### dpvlink 23849

Article	
1000.030.3.R	Accessories for foil tacky mats Frame for foil tacky mat 1000.030.3

Swivel chairs cleanroom

Swivel chair cleanroom Basic ESD



**Material and design:**

The die-cast aluminium base is high-gloss polished and equipped with conductive castors or glides for hard floors. The also conductive and tear-resistant black synthetic leather cover is slip-resistant and ensures a good grip even on smooth cleanroom clothing.

**Color:** light grey / cover Skai ESD black, polished base

-DIN IEC 61340-5-1

-Air purity class 1 according to US Fed. H specifications

-Air purity class 3 according to EN ISO 14644-1

dpvlink 13413 Article Type 



9140-2571 **Bimos ESD Cleanroom Basic 2**  
with permanent contact backrest height: 430 mm, seat height adjustment 470-610 mm, with conductive braked castors; color: light grey / cover Skai ESD black



9141-2571 **Bimos ESD cleanroom Basic 3**  
with permanent contact backrest height: 430 mm, seat height adjustment . 620-870 mm, with step / conductive glides, color: light grey / cover Skai ESD black



9142-2571 **Bimos ESD Cleanroom Basic 2**  
with permanent contact backrest height: 530 mm, seat height adjustment . 470-610 mm, with conductive, braked castors, color: light grey / cover Skai ESD black



9143-2571 **Bimos ESD cleanroom Basic 3**  
with permanent contact backrest height: 530 mm, seat height adjustment 630-890 mm step / conductive glides, color: light grey / cover black

dpvlink 13413 Article Type 



9145-2571 **Bimos ESD cleanroom Basic 2**  
with synchronous technology, backrest: 530 mm, seat height adjustment 490-630 mm, with conductive, braked castors, color: light grey / cover Skai ESD black



9146-2571 **Bimos ESD cleanroom Basic 3**  
with synchronous technology, backrest height: 530 mm, seat height adjustment 660-910 mm, with step / conductive glides, color: light grey / cover Skai ESD black



9890-238 **Ring armrest for Bimos cleanroom Basic**  
Color: light grey

**Swivel chair cleanroom Plus ESD**



**Material and design:**

The swivel chair cleanroom Plus is equipped with a seat and backrest shell made of steel plate and guarantees best particle safety. The metal parts have a conductive coating, the plastics are volume conductive. Their color is light grey. The also conductive synthetic leather cover is slip-resistant and ensures a firm grip even on smooth cleanroom clothing.

**Color:** light grey / cover Skai ESD black, polished base

-DIN IEC 61340-5-1

-Air purity class 1 according to US Fed. H specifications

-Air purity class 3 according to EN ISO 14644-1

dpvlink 13423

Article  
Type



9161-2571 **Bimos ESD cleanroom Plus 2**  
with permanent contact, backrest: 500 mm, seat height adjustment. 440-565 mm, with conductive braked castors; color: light grey / cover Skai ESD black



9181-2571 **Bimos ESD cleanroom Plus 2**  
with permanent contact, backrest: 380 mm, seat height adjustment. 440-565 mm, with conductive braked castors, color: light grey / cover Skai ESD black



9183-2571 **Bimos ESD cleanroom Plus 2**  
with permanent contact, backrest: 380 mm, seat height adjustment. 630-890 mm step / conductive glides, color: light grey / cover Skai ESD black



9487-238 **Ring armrest for Bimos cleanroom Plus**  
with permanent contact, light grey

**Swivel chair LABSIT**



- Reliable ESD protection by volume conductive plastic and conductive comfort upholstery
- High comfort due to thick upholstery and large seat depth
- innovative flex function in the back and on the front edge of the seat for promoting the correct posture and a good blood circulation
- intuitive handling - only manual adaption of the seat height required
- hygienic design for a simple cleaning and disinfection
- resistant to all conventional disinfectants and chemicals according to ISO 2812
- easy to transport with integrated handle
- polished aluminum base

Corresponds to the ESD standard DIN EN 61340-5-1 



-9801  
Stoff  
schwarz



-CP01  
Supertec



-2000  
Integral-  
schaum



-MG01  
Magic  
Kunstleder

dpvlink 22911

Article  
Type



9123E-MG01 **Labsit 2 ESD work swivel chair**  
Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black  
Cover: synthetic leather Magic ESD black



9123E-2000 **Labsit 2 ESD work swivel chair**  
Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black  
Cover: integral foam ESD black



9123E-9801 **Labsit 2 ESD work swivel chair**  
Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black  
Cover: fabric Duotec ESD black



9123E-CP01 **Labsit 2 ESD work swivel chair**  
Seat height 450 - 650 mm, backrest 420 mm, polished aluminum base, conductive castors for soft floors, seat shell black  
Cover: Supertec ESD black

dpvlink 22911

Article  
Type



9121E-MG01 **Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: synthetic leather Magic ESD black



9121E-2000 **Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: integral foam ESD black



9121E-9801 **Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: fabric Duotec ESD black



9121E-CP01 **Labsit 3 ESD work swivel chair**  
Seat height 520 - 770 mm, backrest 420 mm, polished aluminum base, conductive glides and footring, seat shell black  
Cover: Supertec ESD black



9125E-MG01 **Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: synthetic leather Magic ESD black



9125E-2000 **Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: integral foam ESD black



9125E-9801 **Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: fabric Duotec ESD black



9125E-CP01 **Labsit 4 ESD work swivel chair**  
Seat height 560 - 810 mm, backrest 420 mm, polished aluminum base, conductive sit-stop castors and footring, seat shell black  
Cover: Supertec ESD black

Stool LABSIT



ESD swivel stool with comfortable seat height adjustment by ring release and conductive cover

Cleanroom class 3 according to ISO 14644-1

In compliance with the ESD standard  
DIN EN 61340-5-1 ⚠

dpvlink 22916

Article Type



9127E-2000 **ESD Stool Labsit**  
Adjustable seat height 450 - 650 mm, ring release, with conductive braked castors, poshed base  
Cover: integral foam ESD black

Bimos ESD Cleanroom stool



Material and design:

High-gloss polished die-cast aluminum frames equipped with conductive castors or glides for hard floors. The synthetic leather cover is also conductive and slip-resistant.

Cleanroom class 4 according to EN ISO 14644-1

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

dpvlink 13439

Article Type



9467R-2571 **Bimos ESD cleanroom stool 1**  
Seat height adjustment. 460-630 mm, with conductive glides, polished base, color: light grey / cover Skai ESD black

9468R-2571 **Bimos ESD cleanroom stool 2**  
Seat height adjustment 460-630 mm, conductive braked castors, polished base, color: light grey / cover Skai ESD black

9469R-2571 **Bimos ESD cleanroom stool 3**  
Seat height adjustment 570-850 mm, conductive glides + footring, polished base, color: light grey / cover Skai ESD black



## ESD Packaging

ESD Film packaging	274
Desiccant / humidity indicators	284
Vacuum sealers	285
Cardboard packagings	288
ESD foams	294
Accessories	296

## ESD Storage and transport

ESD Transport pallets	296
ESD Big Boxes	297
ESD Folding boxes	298
KLT containers Light	299
ESD Euro containers	300
Accessories for ESD containers	306
Parting inserts and partitions / interlayers	307
Parting inserts, others	316
Vacuum-formed inserts	316
ESD Suitcases	322
ESD Small parts containers	327
SMD Small parts containers ESD	330
ESD Drawer cabinets	333
ESD cabinets	337
ESD Rack/material flow boxes	341
ESD Storage boxes / part bins	342
SMD Storage systems	345
ESD PCB holders	348
ESD PCB magazines	354
ESD Transport / shelf trolleys	358
Shelf racks	374
ESD Wheels and castors	377

ESD Film packaging

Dissipative packaging bags



Dissipative packaging material, in the long term dissipative, amine-free and heat-sealable polyethylene material, transparent, recyclable.  
Standard imprint: type designation, ESD symbol and lot number.

- suitable for ESD insensitive devices within EPAs\*
- devices with disposable or rechargeable batteries cannot discharge
- inexpensive

In compliance with ESD standard DIN EN 61340-5-1 ⚠

\*EPA = Electrostatic Discharge Protected Area

**Bags with special dimensions, gusseted bags/box covers, flat film, module pockets and customer-specific printing on request.**

Dissipative packaging bags DPV-3000 / DPV-3006 ⚠



heat-sealable, dissipative, amine-free, transparent, recyclable.  
Standard imprint: type designation, ESD symbol and lot number.

In compliance with ESD standard DIN EN 61340-5-1 ⚠

dpvlink 468

Article	W [mm]	L [mm]	Thickness [mm]	Pcs/box
3111.3601	100	150	0.06	2500
3111.3611	130	200	0.06	2500
3111.3621	150	225	0.06	1000
3111.3631	200	250	0.06	1000
3111.3641	250	300	0.06	500
3111.3651	300	400	0.06	500
3111.3661	400	500	0.06	500
3111.3671	500	600	0.06	500
3111.3681	400	600	0.06	500
3110.360	100	150	0.1	2500
3110.361	130	200	0.1	2500
3110.362	150	225	0.1	1000
3110.363	200	250	0.1	1000
3110.364	250	300	0.1	500
3110.365	300	400	0.1	500
3110.366	400	500	0.1	500
3110.367	500	600	0.1	700
3110.368	400	600	0.1	500



Dissipative packaging bags DPV-3000 / DPV-3006 ⚠  
Zip reclosable



reclosable with zipper, dissipative, amine-free, transparent, recyclable.  
Standard imprint: type designation, ESD symbol and lot number.

In compliance with ESD standard DIN EN 61340-5-1 ⚠

dpvlink 476

Article	W [mm]	L [mm]	Thickness [mm]	Pcs/box
3120.330	80	120	0.1	5000
3120.331	100	150	0.1	2500
3120.336	120	170	0.1	2500
3120.332	150	225	0.1	1000
3120.333	200	250	0.1	1000
3120.334	250	300	0.1	1000
3120.335	300	400	0.1	500
3120.3301	80	120	0.06	5000
3120.3311	100	150	0.06	5000
3120.3361	120	170	0.06	5000
3120.3321	150	225	0.06	2000
3120.3331	200	250	0.06	1000
3120.3341	250	300	0.06	1000
3120.3351	300	400	0.06	1000



Dissipative tubular film ⚠



Dissipative tubular film heat-sealable, dissipative, pink, amine-free, transparent, recyclable.  
Standard imprint: type designation, ESD symbol and lot number.

In compliance with ESD standard DIN EN 61340-5-1 ⚠

dpvlink 491

Article	W [mm]	Roll length [m]	Thickness [mm]
3130.340	100	250	0.1
3130.341	130	250	0.1
3130.342	150	250	0.1
3130.343	200	250	0.1
3130.344	250	250	0.1
3130.345	300	250	0.1
3130.346	400	250	0.1
3130.347	500	250	0.1



Adhesive closure for packaging bags - Specification - SK ⚠



Specification closure solution for packaging bags DPV-3000 / DPV-3006

Upon customer's request all packaging bags DPV-3000 / DPV-3006 can be furnished with adhesive closure.

dpvlink 26740

Article	Type
3110.3.Spez.SK	<b>Adhesive closure for packaging bags - Specification - SK</b> for packaging bags DPV-3000/DPV-3006 Special solution upon customer's request



**Minimum order quantities required**

## Conductive packaging bags



CARBOSTAT® packaging material made of permanently volume conductive, heat-sealable, copolymer material recyclable, black, Standard imprint: type designation, ESD symbol and lot number.

- triboelectric charges are prevented
- offers often sufficient shielding, dissipates existing charges
- not suitable for modules with batteries and rechargeable batteries

In compliance with the ESD standard DIN EN 61340-5-1 

## CARBOSTAT Packaging bags



- permanently volume conductive copolymer material
- heat-sealable
- recyclable
- color: black
- standard imprint: type designation, ESD symbol and lot number

In compliance with ESD standard DIN EN 61340-5-1 ESD

### dpvlink 512

Article	W [mm]	L [mm]	Thickness [mm]	Pcs/box
3210.150	100	150	0.08	5000
3210.151	130	200	0.08	2500
3210.152	150	225	0.08	2500
3210.153	200	250	0.08	1500
3210.154	250	300	0.08	1000
3210.155	300	400	0.08	1000
3210.162	350	450	0.08	1000
3210.156	400	500	0.08	500
3210.157	500	600	0.08	500



## CARBOSTAT® Tubular film



- made of permanently volume conductive copolymer material
- heat-sealable
- recyclable
- color: black

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 522

Article	W [mm]	Roll length [m]	Thickness [mm]
3230.250	100	500	0.08
3230.251	130	500	0.08
3230.252	150	500	0.08
3230.253	200	500	0.08
3230.254	250	500	0.08
3230.255	300	500	0.08
3230.256	400	250	0.08
3230.257	500	250	0.08
3230.258	600	250	0.08



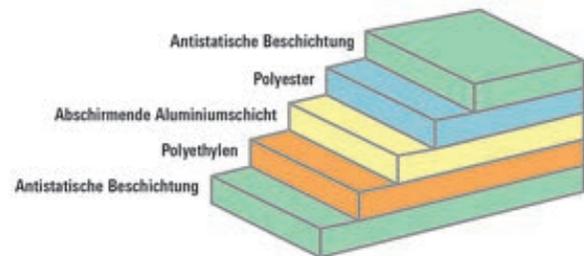
Special bag dimensions available on request

## Metallized packaging bags

### ESD shielding bag DPV-1000



DPV-1000 film bags protect electronic components from electrostatic discharge (ESD) and prevent a static charge on the bag which may damage ESD-sensitive components and modules.



- Exterior - dissipative polyester  
Surface resistance  $R_s = 10^{10} - 10^{11} \text{ ohm}$
- Metallization - aluminized
- Interior - amine-free polyethylene  
Surface resistance  $R_s = 10^{10} - 10^{11} \text{ ohm}$
- Electrostatic shielding <10nJ (Energy Test) 
- Multilayer structure, transparent
- High shielding against field induction, lowest triboelectrical charge
- Controlled dissipation of existing charges without spontaneous discharge
- Suitable for devices with disposable and rechargeable batteries
- side welded seam
- heat-sealable
- standard imprint:
  - ESD logo
  - type designation
  - recycling symbol
  - RoHS compliance
  - LOT no.

### Standards:

MIL-PRF-81705D, ANSI/ESD STM 11.11, ANSI/ESD STM11.31, EIA 541, ASTM D882, ASTM D1003

### dpvlink 20892

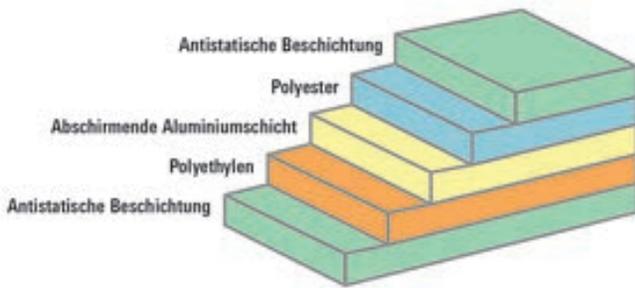
Article	W [mm]	L [mm]	Thickness [mm]	PU
D-1000.0204	51	102	0.078	100 piece
D-1000.0305	76	127	0.078	100 piece
D-1000.0404	102	102	0.078	100 piece
D-1000.0406	102	152	0.078	100 piece
D-1000.0508	127	203	0.078	100 piece
D-1000.0608	152	203	0.078	100 piece
D-1000.0610	152	254	0.078	100 piece
D-1000.0612	152	305	0.078	100 piece
D-1000.0810	203	254	0.078	100 piece
D-1000.0812	203	305	0.078	100 piece
D-1000.0816	203	406	0.078	100 piece
D-1000.1012	254	305	0.078	100 piece
D-1000.1014	254	356	0.078	100 piece
D-1000.1216	305	406	0.078	100 piece
D-1000.1218	305	457	0.078	100 piece
D-1000.1418	356	457	0.078	100 piece
D-1000.1618	406	457	0.078	100 piece
D-1000.2024	609	508	0.078	100 piece



ESD shielding bag DPV-1000 Zip, reclosable  



DPV-1000 film bags protect electronic components from electrostatic discharge (ESD) and prevent a static charge on the bag which may damage ESD-sensitive components and modules.



- Exterior - dissipative polyester  
Surface resistance  $R_s = 10^{10} - 10^{11} \text{ ohm}$
- Metallization - aluminized
- Interior - amine-free polyethylene  
Surface resistance  $R_s = 10^{10} - 10^{11} \text{ ohm}$
- Electrostatic shielding <math><10\text{nJ}</math> (Energy Test) 
- Multilayer structure, transparent
- High shielding against field induction, lowest triboelectrical charge
- Controlled dissipation of existing charges without spontaneous discharge
- Suitable for devices with disposable and rechargeable batteries
- side welded seam
- heat-sealable
- standard imprint:
  - ESD logo
  - type designation
  - recycling symbol
  - RoHS compliance
  - LOT no.

Standards:

MIL-PRF-81705D, ANSI/ESD STM 11.11, ANSI/ESD STM11.31, EIA 541, ASTM D882, ASTM D1003

dpvlink 20910

Article	W [mm]	L [mm]	Thickness [mm]	PU
D-1000.0305.ZIP	76	127	0.078	100 piece
D-1000.0406.ZIP	102	152	0.078	100 piece
D-1000.0508.ZIP	127	203	0.078	100 piece
D-1000.0608.ZIP	152	203	0.078	100 piece
D-1000.0610.ZIP	152	254	0.078	100 piece
D-1000.0810.ZIP	203	254	0.078	100 piece
D-1000.0812.ZIP	203	305	0.078	100 piece
D-1000.1012.ZIP	254	305	0.078	100 piece
D-1000.1014.ZIP	254	356	0.078	100 piece
D-1000.1216.ZIP	305	406	0.078	100 piece
D-1000.1418.ZIP	356	457	0.078	100 piece
D-1000.1618.ZIP	406	457	0.078	100 piece



Adhesive closure for packaging bags - Specification - D-1001 SK  



Specification closure solution for packaging bags DPV-1000

Upon customer's request all packaging bags DPV-1000 can be furnished with adhesive closure.

dpvlink 26750

Article Type

D-1001.Spez.SK **Adhesive closure for packaging bags - Specification - D-1001 SK** for packaging bags DPV-1000  
Special solution upon customer's request

Minimum order quantities required



Tearing notches - Specification - D-1001 EK  



Specification closure solution for packaging bags DPV-1000

Upon customer's request all packaging bags DPV-1000 can be furnished with tearing notches.

dpvlink 26782

Article Type

D-1001.Spez.EK **Tear-off notches for packaging bags - Specification - D-1001 EK** for packaging bags DPV-1000  
Special solution upon customer's request

Minimum order quantities required



Security seal tape - Specification - D-1001 SB  



Specification closure solution for packaging bags DPV-1000

Upon customer's request all packaging bags DPV-1000 can be furnished with security sealing tape making an unallowed/accidental access from third parties impossible.

dpvlink 26784

Article Type

D-1001.Spez.SB **Security seal tape for packaging bags - Specification - D-1001 SB** for packaging bags DPV-1000  
Special solution upon customer's request

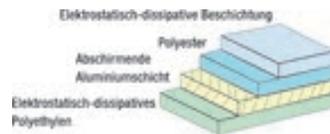
Minimum order quantities required



**Static shielding bag type 1000-SCS**



Metalized, transparent static shielding bags SCS 1000 type "metal in" dissipative polyester / aluminized / dissipative polyethylene, side welded seam, heat-sealable, recyclable



Standard imprint: ESD symbol, type designation, recycling symbol and lot number.

- Exterior - dissipative polyester  
Surface resistance  $R_s < 1 \times 10^{11}$  ohm
- Metallization - aluminized
- Interior - dissipative polyethylene  
Surface resistance  $R_s = 10^4 - 10^{11}$  ohm
- Electrostatic shielding  $< 10nJ$  (Energy Test) 
- Multilayer structure, transparent
- **bleifrei**
- High shielding against field induction, lowest triboelectrical charge
- Controlled dissipation of existing charges without spontaneous discharge
- Suitable for devices with disposable and rechargeable batteries

**Standards:**

**MIL-PRF-81705 Type III, EIA 541, EIA 625, MIL-HDBK-263, MIL-STD-1686, EOS/ESD Standard**

**dpvlink 11108**



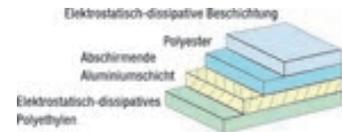
Article	W [mm]	L [mm]	Thickness [mm]	PU
3M-100.23	50	75	0,071	100 piece
3M-100.24	50	100	0,071	100 piece
3M-100.26	50	150	0,071	100 piece
3M-100.35	75	125	0,071	100 piece
3M-100.44	100	100	0,071	100 piece
3M-100.46	100	150	0,071	100 piece
3M-100.48	100	200	0,071	100 piece
3M-100.424	100	610	0,071	100 piece
3M-100.426	100	660	0,071	100 piece
3M-100.430	100	760	0,071	100 piece
3M-100.58	125	200	0,071	100 piece
3M-100.68	150	200	0,071	100 piece
3M-100.610	150	255	0,071	100 piece
3M-100.612	150	305	0,071	100 piece
3M-100.618	150	455	0,071	100 piece
3M-100.624	150	610	0,071	100 piece
3M-100.626	150	660	0,071	100 piece
3M-100.630	150	760	0,071	100 piece
3M-100.810	200	255	0,071	100 piece
3M-100.812	200	305	0,071	100 piece
3M-100.816	200	405	0,071	100 piece
3M-100.818	200	455	0,071	100 piece
3M-100.824	200	610	0,071	100 piece
3M-100.830	203	762	0,071	100 piece
3M-100.1012	255	305	0,071	100 piece
3M-100.1014	255	355	0,071	100 piece
3M-100.1016	255	405	0,071	100 piece
3M-100.1024	255	610	0,071	100 piece
3M-100.1026	255	660	0,071	100 piece
3M-100.1030	255	760	0,071	100 piece
3M-100.1115	280	380	0,071	100 piece
3M-100.1214	305	355	0,071	100 piece
3M-100.1216	305	405	0,071	100 piece

**dpvlink 11108**



Article	W [mm]	L [mm]	Thickness [mm]	PU
3M-100.1218	305	455	0,071	100 piece
3M-100.1224	305	610	0,071	100 piece
3M-100.1416	355	405	0,071	100 piece
3M-100.1418	355	455	0,071	100 piece
3M-100.1420	355	505	0,071	100 piece
3M-100.1518	380	455	0,071	100 piece
3M-100.1618	405	455	0,071	100 piece
3M-100.1620	405	505	0,071	100 piece
3M-100.1624	405	610	0,071	100 piece
3M-100.1818	455	455	0,071	100 piece
3M-100.1820	455	505	0,071	100 piece
3M-100.1824	455	610	0,071	100 piece
3M-100.2020	505	505	0,071	100 piece
3M-100.2024	505	610	0,071	100 piece
3M-100.2224	560	610	0,071	100 piece
3M-100.2424	610	610	0,071	100 piece
3M-100.2430	610	760	0,071	100 piece

**Static shielding bag type 1000-SCS Zip, reclosable**



Design like type 1000 static shielding bag, but reclosable

**dpvlink 11156**



Article	W [mm]	L [mm]	Thickness [mm]	PU
3M-300.35	75	125	0,071	100 piece
3M-300.44	100	100	0,071	100 piece
3M-300.46	100	150	0,071	100 piece
3M-300.424	100	610	0,071	100 piece
3M-300.58	125	200	0,071	100 piece
3M-300.68	150	200	0,071	100 piece
3M-300.610	150	155	0,071	100 piece
3M-300.624	152	609	0,071	100 piece
3M-300.630	150	760	0,071	100 piece
3M-300.810	200	255	0,071	100 piece
3M-300.812	200	305	0,071	100 piece
3M-300.1010	255	255	0,071	100 piece
3M-300.1012	255	305	0,071	100 piece
3M-300.1014	255	355	0,071	100 piece
3M-300.1024	255	610	0,071	100 piece
3M-300.1030	254	762	0,071	100 piece
3M-300.1115	280	380	0,071	100 piece
3M-300.1216	305	405	0,071	100 piece
3M-300.1218	305	455	0,071	100 piece
3M-300.1418	355	455	0,071	100 piece
3M-300.1518	380	455	0,071	100 piece
3M-300.1624	405	610	0,071	100 piece
3M-300.1818	455	455	0,071	100 piece
3M-300.1824	455	610	0,071	100 piece
3M-300.2024	510	610	0,071	100 piece
3M-300.2424	610	610	0,071	100 piece

**HIGHSHIELD Shielding bags**



Metallized, transparent shielding bag, aluminized, interior PERMASTAT®, permanently antistatic and amine-free polyethylene, side welded seam, heat-sealable, recyclable, standard imprint: ESD symbol, type designation, recycling symbol and lot number.

- Exterior - dissipative polyester  
Surface resistance  $R_S = 10^{10} - 10^{11}$  ohm
- Metallization - aluminized
- Interior - dissipative polyethylene  
Surface resistance  $R_S = 10^{10} - 10^{11}$  ohm
- Electrostatic shielding of < 15 nJ (Energy Test)
- Multilayer structure, transparent
- High protection against field induction, lowest triboelectrical charge
- Controlled dissipation of existing charges without spontaneous discharge
- For devices with disposable and rechargeable batteries

**dpvlink 538**



Article	W [mm]	L [mm]	PU
3310.HS.0305	76	127	100 piece
3310.HS.0404	102	102	100 piece
3310.HS.0406	102	152	100 piece
3310.HS.0426	102	660	100 piece
3310.HS.0508	127	203	100 piece
3310.HS.0608	152	203	100 piece
3310.HS.0610	152	254	100 piece
3310.HS.0626	152	660	100 piece
3310.HS.0810	203	254	100 piece
3310.HS.0812	203	305	100 piece
3310.HS.0816	203	406	100 piece
3310.HS.0818	203	457	100 piece
3310.HS.1012	254	305	100 piece
3310.HS.1014	254	356	100 piece
3310.HS.1026	254	660	100 piece
3310.HS.1115	279	381	100 piece
3310.HS.1212	305	305	100 piece
3310.HS.1216	305	406	100 piece
3310.HS.1218	305	457	100 piece
3310.HS.1418	356	457	100 piece
3310.HS.1618	406	457	100 piece
3310.HS.1818	457	457	100 piece
3310.HS.1820	457	508	100 piece
3310.HS.1824	457	609	100 piece
3310.HS.2024	508	609	100 piece

**HIGHSHIELD Shielding bags Zip, reclosable**



Design like HIGHSHIELD shielding bags, but reclosable.

**dpvlink 563**



Article	W [mm]	L [mm]	PU
3320.WV.0305	76	127	100 piece
3320.WV.0406	102	152	100 piece
3320.WV.0508	127	203	100 piece
3320.WV.0610	152	254	100 piece
3320.WV.0810	203	254	100 piece
3320.WV.0812	203	305	100 piece
3320.WV.1012	254	305	100 piece
3320.WV.1014	254	356	100 piece
3320.WV.1216	305	406	100 piece
3320.WV.1218	305	457	100 piece
3320.WV.1418	356	457	100 piece
3320.WV.1818	457	457	100 piece

**HIGHSHIELD type A Shielding bags**



- Shielding bag type Metal-In
- Exterior dissipative polyester
- Interior dissipative polyethylene
- Metallization: aluminized
- heat-sealable
- Protection against electrostatic discharge and fields
- Production date "MMYYYY" imprinted in welded seam
- Surface resistance inside and outside  $R_S = 10^8 - 10^9$  ohm
- Electrostatic shielding < 25nJ (energy test) ⚠

**dpvlink 19696**



Article	W [mm]	L [mm]	PU
3315.HS.0305.A	76	127	100 piece
3315.HS.0404.A	102	102	100 piece
3315.HS.0406.A	102	152	100 piece
3315.HS.0508.A	127	203	100 piece
3315.HS.0608.A	152	203	100 piece
3315.HS.0610.A	152	254	100 piece
3315.HS.0626.A	152	660	100 piece
3315.HS.0810.A	203	254	100 piece
3315.HS.0812.A	203	305	100 piece
3315.HS.0816.A	203	406	100 piece
3315.HS.0818.A	203	457	100 piece
3315.HS.1012.A	254	305	100 piece
3315.HS.1014.A	254	356	100 piece
3315.HS.1026.A	254	660	100 piece
3315.HS.1115.A	279	381	100 piece
3315.HS.1212.A	305	305	100 piece
3315.HS.1216.A	305	406	100 piece
3315.HS.1218.A	305	457	100 piece
3315.HS.1418.A	356	457	100 piece
3315.HS.1618.A	406	457	100 piece
3315.HS.1818.A	457	457	100 piece
3315.HS.1820.A	457	508	100 piece
3315.HS.1824.A	457	609	100 piece
3315.HS.2024.A	508	609	100 piece

**HIGHSHIELD Type A Zip, reclosable**



Design like HIGHSHIELD type A shielding bags, but reclosable.

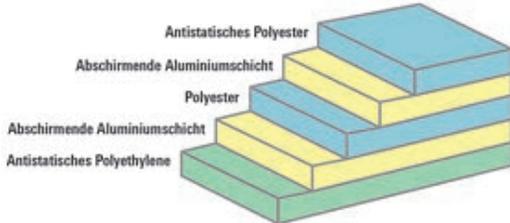
**dpvlink 19778**



Article	W [mm]	L [mm]	PU
3325.WV.0305.A	76	127	100 piece
3325.WV.0406.A	102	152	100 piece
3325.WV.0508.A	127	203	100 piece
3325.WV.0610.A	152	254	100 piece
3325.WV.0810.A	203	254	100 piece
3325.WV.0812.A	203	305	100 piece
3325.WV.1012.A	254	305	100 piece
3325.WV.1014.A	254	356	100 piece
3325.WV.1216.A	305	406	100 piece
3325.WV.1218.A	305	457	100 piece
3325.WV.1418.A	356	457	100 piece
3325.WV.1818.A	457	457	100 piece

## DRY-SHIELD Protective bags

### DRY-Shield Protective bag DPV-2000



Water-impermeable, metallized bag with special multilayer of dissipative polyethylene and polyester as well as metallized polyester film. It offers an excellent protection against moisture and electrostatic charge.

- shielding bag with protection against moisture
- electrostatic shielding < 15 nJ (Energy Test) 
- in compliance with MIL-PRF-81705 and ANSI/ ESD STM11.31
- protection against moisture by multilayer of dissipative polyethylene
- metallized polyester film
- vacuumable
- heat-sealable
- standard imprint: ESD warning symbol, moisture symbol, type designation, recycling symbol, lot number, RoHS logo

#### dpvlink 24317

Article	W [mm]	L [mm]	PU
D-2000.0305	76	127	100 piece
D-2000.0406	102	152	100 piece
D-2000.0608	152	203	100 piece
D-2000.0610	152	254	100 piece
D-2000.0810	203	254	100 piece
D-2000.0812	203	305	100 piece
D-2000.1012	254	305	100 piece
D-2000.1026	254	660	100 piece
D-2000.1212	305	305	100 piece
D-2000.1218	305	457	100 piece
D-2000.1618	406	457	100 piece
D-2000.1626	406	660	100 piece
D-2000.1818	457	457	100 piece
D-2000.1824	457	609	100 piece



## DRY-SHIELD ESD/EMI Protective bags



ESD/EMI protective bag, non-transparent, water-impermeable, aluminized moisture barrier bag, offers an excellent protection against moisture as well as static charge due to a special multilayer made of antistatic polyolefin and metallized polyester film.

- Shielding bag with protection against moisture
- Complies with MIL-B81705 type 1 class 1
- Electrostatic shielding < 10 nJ (Energy Test) 
- EMI shielding > 40 db
- Protection against moisture due to a multilayer made of a dissipative polyolefin film and a metallized polyester film
- Heat-sealable, useable for vacuum packaging
- Standard imprint: ESD symbol, humidity symbol, type designation, recycling symbol, lot number.

#### dpvlink 597

Article	W [mm]	L [mm]	PU
3710.DR.0426	102	660	100 piece
3710.DR.0626	152	660	100 piece
3710.DR.0810	203	254	100 piece
3710.DR.1020	254	508	100 piece
3710.DR.1026	254	660	100 piece
3710.DR.1626	406	660	100 piece
3710.DR.1818	457	457	100 piece



## DRY-SHIELD-JEDEC Protective bags



JEDEC protective bag, non-transparent, water-impermeable, aluminized moisture barrier bag, offers an excellent protection against moisture as well as static charge due to a special multilayer made of nylon, polyethylene and aluminium.

- Shielding bag with protection against moisture
- Complies with JEDEC-STD-033 C
- Electrostatic shielding < 10 nJ (Energy Test) 
- EMI shielding > 40 db
- Defined water vapor permeability due to a multilayer made of a nylon, polyethylene and aluminium
- Heat-sealable, useable for vacuum packaging
- Standard imprint: ESD symbol, humidity symbol, type designation, recycling symbol, lot number.
- In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 10222

Article	W [mm]	L [mm]	PU
3710.DR150.0426	102	660	100 piece
3710.DR150.0626	152	660	100 piece
3710.DR150.1026	254	660	100 piece
3710.DR150.1626	406	660	100 piece
3710.DR150.1818	457	457	100 piece



## DRY-SHIELD Type A shielding bag



Shielding bags with moisture barrier

- defined water vapor permeability due to multilayer of dissipative polyester film, aluminization and dissipative polyethylene film
- Complies with MIL-B81705 type 1 class 1
- Electrostatic shielding < 15 nJ (energy test) ⚠
- EMI - shielding > 40 db
- heat-sealable, vacuumable
- Standard print: ESD warning symbol, humidity symbol, type designation, recycling symbol, production date in welded seam

### dpvlink 19791



Article	W [mm]	L [mm]	PU
3715.DR.0426.A	102	660	100 piece
3715.DR.0610.A	152	254	100 piece
3715.DR.0626.A	152	660	100 piece
3715.DR.0810.A	203	254	100 piece
3715.DR.1020.A	254	508	100 piece
3715.DR.1026.A	254	660	100 piece
3715.DR.1626.A	406	660	100 piece
3715.DR.1818.A	457	457	100 piece

## DRY-SHIELD 2000 Protective bags



Anwendungsbispiel / Application example



Water-impermeable, metallized barrier bag, offers an excellent protection against moisture and static charge by a special multilayer of dissipative polyethylene and polyester as well as metallized polyester film

- fulfills ESD S541, MIL-PRF-81705, EIA583, EIA 625 and ANSI/ESD S20. 20.
- Shielding bags with protection against moisture
- Electrostatic shielding < 10 nJ (Energy Test) ⚠
- EMI shielding 45 db
- Protection against moisture by multilayer of dissipative polyethylene and metallized polyester film
- Heat-sealable, useable for vacuum packaging
- RoHS compliant and **bleifrei**
- Standard imprint: ESD warning symbol, moisture symbol, type designation, lot number.

Other dimensions and designs with zipper/reclosable available on request

### Standards:

**MIL-PRF-81705 type 1, EIA 583, EIA 541, EIA 625 and EOS/ESD standards**

### dpvlink 11318



Article	W [mm]	L [mm]	PU
3M-700.35	76	127	100 piece
3M-700.46	102	152	100 piece
3M-700.424	102	609	100 piece
3M-700.68	152	203	100 piece

### dpvlink 11318



Article	W [mm]	L [mm]	PU
3M-700.610	152	254	100 piece
3M-700.624	152	609	100 piece
3M-700.630	152	762	100 piece
3M-700.810	203	254	100 piece
3M-700.812	203	305	100 piece
3M-700.1012	254	305	100 piece
3M-700.1020	254	508	100 piece
3M-700.1024	254	609	100 piece
3M-700.1030	254	762	100 piece
3M-700.1212	305	305	100 piece
3M-700.1218	305	457	100 piece
3M-700.1430	356	762	100 piece
3M-700.1618	406	457	100 piece
3M-700.1818	457	457	100 piece
3M-700.1824	457	609	100 piece

**Further 3M Dri-Shield shielding bags 2500, 2700, 3000, 3200 and 3400 available on request**

## Dessicant / humidity indicators

Dessicants for insertion in protective and packaging bags bind moisture reliably. Dessicants are important in some areas and contribute to the durability of a product avoiding corrosion and any undesirable surface changes.

### Desiccant Tyvek® plastic bags

Dessicants in antistatic Tyvek® bags of natural clay offering a high absorption capacity at a relative humidity of 40%.

In compliance with DIN 55473: dustproof - for highly sensitive products



### dpvlink 15353



Article	Weight [g]	W [mm]	L [mm]	PU
3775.TA.2/1-0200	71	95	140	200
3775.TA.1/1-0300	36	70	140	300
3775.TA.1/2-0600	18	110	70	600
3775.TA.1/3-1000	12	70	95	1000
3775.TA.1/6-2000	6	40	95	2000

### ESD desiccant plastic bag



Due to a very high adsorption capacity at higher relative humidity (more than 50%), ESD desiccants offer a reliable protection in the smallest packagings.

In compliance with DIN 55473: dustproof - for highly sensitive products

**In compliance with ESD standard DIN EN 61340-5-1** ⚠



### dpvlink 22932



Article	Weight [g]	W [mm]	L [mm]	PU
3775.VA-ESD.1/1-400	36	70	140	400
3775.VA-ESD.1/3-800	12	70	100	800
3775.VA-ESD.2/1-240	72	70	150	240

## Moisture indicators EPApack® cobalt-free

Cobalt-free moisture indicators indicate the climate or the humidity level inside a packaging in connection with desiccants.

- cobalt-free
- in metal tin
- packed in bags each with 25 pieces
- language EN

In compliance with IPC/JEDEC J-STD-033



### dpvlink 25069

Article	Measuring range (relative humidity)	W [mm]	L [mm]	PU
D-3925.0560.CF	5%, 10%, 60%	50	80	125 piece
D-3925.1060.CF	10%, 20%, 30%, 40%, 50%, 60%	38	110	200 piece



## Moisture indicators EPApack®

Moisture indicators indicate the climate or the humidity level inside a packaging in connection with desiccants.

- in metal tin
- packed in bags each with 25 pieces
- language EN

In compliance with IPC/JEDEC J-STD-033

### dpvlink 24706

Article	Measuring range (relative humidity)	W [mm]	L [mm]	PU
D-3910.0515	5%, 10%, 15%	38	65	125 piece
D-3910.0560	5%, 10%, 60%	50	80	125 piece
D-3910.1040	10%, 20%, 30%, 40%	38	80	100 piece
D-3910.1060	10%, 20%, 30%, 40%, 50%, 60%	38	110	200 piece
D-3910.3050	30%, 40%, 50%	38	65	125 piece



## Center-folded film

### Dissipative center-folded film



Dissipative center-folded film dissipative, pink, amine-free, recyclable

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 500

Article	W [mm]	Roll length [m]	Thickness [mm]
3135.15.0910	910/910	250	0.15



### Dissipative flat film



Dissipative flat film dissipative, pink, amine-free, recyclable

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 10192

Article	W [mm]	Roll length [m]	Thickness [mm]
3140.1200.040	1200	500	0.04



### IDP-STAT® Center-folded film



IDP-STAT® center-folded film permanently dissipative film; heat-sealable, recyclable, orange; standard imprint: type designation, ESD symbol, recycling symbol

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 10220

Article	W [mm]	Roll length [m]	Thickness [mm]
3035.90.0910.IDP	910/910	250	0.09



### ESD Gusseted bags / covers



Dissipative gusseted bags / covers

- pink
- amine-free
- recyclable
- RoHs compliant



In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 13869

Article	W [mm]	L [mm]	H [mm]	PU	Thickness [mm]
3110.629.25	400	600	700	25 piece	0.05
3110.629.250	400	600	700	250 piece	0.05
3110.630.500	340	440	500	500 piece	0.05
3110.635.0900	850	1250	900	40 piece	0.15
3110.635.1850	850	1250	1850	40 piece	0.15



Air bubble bags

Dissipative air bubble bags - three-layer - 



Dissipative air bubble bag, dissipative, pink, amine-free, recyclable polyethylene, of approx. 35% PIR material.

Three-layer film structure, exterior and interior smooth, heat-sealable, with 50 mm flap

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 506**

Article	W [mm]	L [mm]	Pcs/box
3151.360	100	150	500
3151.361	130	200	250
3151.362	150	225	250
3151.363	200	250	250
3151.364	250	300	250
3151.365	300	400	250



customer-specific dimensions with and without flap available on request

HIGHSHIELD Air bubble bags 



- Three-layer film structure
- Exterior- HIGHSHIELD® film, smooth  
Surface resistance  $R_s = 10^{10} - 10^{11}$  ohm
- Interior - PERMASTAT® film, smooth  
Surface resistance  $R_s = 10^{10} - 10^{11}$  ohm
- Recyclable
- without imprint
- Electrostatic shielding < 15 nJ (Energy Test) 

Standard sizes with a 50 mm flap

**dpvlink 608**

Article	W [mm]	L [mm]	Pcs/box
3351.0406	100	150	500
3351.0508	130	200	250
3351.0609	150	225	250
3351.0810	200	250	250
3351.1012	250	300	250



Customer-specific dimensions with our without flap available on request

Air bubble film

Dissipative air bubble film - three-layer -  



Dissipative air bubble film (without imprint), dissipative, pink, amine-free, recyclable polyethylene. Three-layer film structure, outside and inside smooth

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 502**

Article	W [mm]	Roll length [m]	m <sup>2</sup> /roll
3150.383	300	100	30
3150.383.P550	350	100*	35
3150.380	400	100	40
3150.381	600	100	60
3150.382	1200	100	120



- \* Art. 3150.383.P550 with perforations every 550 mm -

Dissipative air bubble film - two-layer -  



Dissipative air bubble film (without imprint), dissipative, pink, amine-free, recyclable polyethylene. Two-layer film structure, inside smooth

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 14292**

Article	W [mm]	Roll length [m]	m <sup>2</sup> /roll
3150.2L.300	300	100	30
3150.2L.400	400	100	40
3150.2L.600	600	100	60
3150.2L.1200	1200	100	120



**Dissipative interlayers - three-layered -** 



- Dissipative interlayers (without imprint)
- rose
- recyclable
- Three-layered film structure
- heat-sealable

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 17472**

Article	W [mm]	L [mm]
3152.350.250	250	350
3152.550.350	350	550



**Conductive air bubble film -three layers-** 



Conductive air bubble film (without imprint)

- permanently conductive volume copolymer film
- three-layer, inside and outside smooth
- recyclable
- heat-sealable
- color: black
- available in two qualities: film thickness 100my and 160my

In compliance with ESD standard DIN EN 61340-5-1 

**Q100 version: film thickness 100 my (standard)**

bubble height = 4 mm / bubble diameter = 10 mm

**dpvlink 532**

Article	W [mm]	Roll length [m]	Thickness [mm]	m <sup>2</sup> /roll
3250.370-Q100	300	100	0.1	30
3250.371-Q100	400	100	0.1	40
3250.372-Q100	600	100	0.1	60
3250.373-Q100	1200	100	0.1	120



**Q160 version: film thickness 160 my**

bubble height = 4 mm

bubble diameter = 10 mm

**dpvlink 17780**

Article	W [mm]	Roll length [m]	Thickness [mm]	m <sup>2</sup> /roll
3250.370-Q160	300	100	0.16	30
3250.371-Q160	400	100	0.16	40
3250.372-Q160	600	100	0.16	60
3250.373-Q160	1200	100	0.16	120



**Conductive air bubble interlayers -three layers-** 



- permanently volume conductive copolymer film
- three-layered
- inside and outside smooth
- recyclable
- color: black

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 17475**

Article	W [mm]	L [mm]	Thickness [mm]
3252.Q100.350x250	250	350	0.1
3252.Q100.550x350	350	550	0.1
3252.Q160.350x250	250	350	0.16
3252.Q160.550x350	350	550	0.16



- Cuttings available on request -

**HIGHSHIELD Air bubble film** 



three-layer film structure, shielding

- Exterior- HIGHSHIELD® film, smooth  
Surface resistance  $R_s = 10^{10} - 10^{11} \text{ ohm}$
- Interior - PERMASTAT® film, smooth  
Surface resistance of  $R_s = 10^{10} - 10^{11} \text{ ohm}$
- Heat-sealable
- Recyclable
- Electrostatic shielding < 15 nJ (Energy Test) 

**dpvlink 603**

Article	W [mm]	Roll length [m]	m <sup>2</sup> /roll
3350.392	300	100	30
3350.393	400	100	40
3350.394	600	100	60
3350.395	1200	100	120



**Special dimensions, packaging bags, cuttings, 2-layered air bubble film available on request**

PE Foam film

PE Foam film, antistatic



Water-impermeable, antistatic PE foam film, suitable as cover, envelope, separate or intermediate layer, optimal cushioning effect, easily workable, accurate adaption to the product, protects from scratching and contamination by dust, recyclable. Color: pink.



In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 9504

Article	W [mm]	Roll length [m]	Thickness [mm]	m <sup>2</sup> /roll
4561.15.600	600	150	1.5	90
4561.15.1200	1200	150	1.5	180



- Further thicknesses, perforations, cuttings, bags and covers available on request -

Stretch film

Stretch film



- amine-free polyolefin
- permanently dissipative
- recyclable
- color: pink
- core diameter: 76 mm

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 454

Article	W [mm]	Roll length [m]	Thickness [mm]
3170.0250	500	250	0.023
3170.0300	500	300	0.025
3170.1560	500	1560	0.025



Manual dispenser for stretch film



- **Standard:** variably adjustable to a film width of 420, 450 or 500 mm, suitable for films with internal core diameter of 38, 50 and 76 mm
- **Premium:** variably adjustable to a film width of 300, 400, 420, 450 or 500 mm, suitable for films with an internal core diameter of 38, 50 and 76 mm
- steplessly adjustable brake resistance of the dispenser for optimal handling
- weight: 1.7 kg

dpvlink 17709

Article	Ausführung
3170.HA-Standard	Ball bearing
3170.HA-Premium	Multiple ball bearing



Desiccant / humidity indicators

Desiccants for insertion in protective and packaging bags bind moisture reliably. Desiccants are important in some areas and contribute to the durability of a product avoiding corrosion and any undesirable surface changes.

Desiccant Tyvek® plastic bags

Desiccants in antistatic Tyvek® bags of natural clay offering a high absorption capacity at a relative humidity of 40%.

In compliance with DIN 55473: dustproof - for highly sensitive products



dpvlink 15353

Article	Weight [g]	W [mm]	L [mm]	PU
3775.TA.2/1-0200	71	95	140	200
3775.TA.1/1-0300	36	70	140	300
3775.TA.1/2-0600	18	110	70	600
3775.TA.1/3-1000	12	70	95	1000
3775.TA.1/6-2000	6	40	95	2000



ESD desiccant plastic bag



Due to a very high adsorption capacity at higher relative humidity (more than 50%), ESD desiccants offer a reliable protection in the smallest packagings.

In compliance with DIN 55473: dustproof - for highly sensitive products

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 22932

Article	Weight [g]	W [mm]	L [mm]	PU
3775.VA-ESD.1/1-400	36	70	140	400
3775.VA-ESD.1/3-800	12	70	100	800
3775.VA-ESD.2/1-240	72	70	150	240



**Moisture indicators EPAPack® cobalt-free**



Cobalt-free moisture indicators indicate the climate or the humidity level inside a packaging in connection with desiccants.

- cobalt-free
- in metal tin
- packed in bags each with 25 pieces
- language EN

In compliance with IPC/JEDEC J-STD-033



**dpmlink 25069**

Article	Measuring range (relative humidity) W [mm]	L [mm]	PU
D-3925.0560.CF	5%, 10%, 60%	50 80	125 piece
D-3925.1060.CF	10%, 20%, 30%, 40%, 50%, 60%	38 110	200 piece



**Moisture indicators EPAPack®**



Moisture indicators indicate the climate or the humidity level inside a packaging in connection with desiccants.

- in metal tin
- packed in bags each with 25 pieces
- language EN

In compliance with IPC/JEDEC J-STD-033

**dpmlink 24706**

Article	Measuring range (relative humidity) W [mm]	L [mm]	PU
D-3910.0515	5%, 10%, 15%	38 65	125 piece
D-3910.0560	5%, 10%, 60%	50 80	125 piece
D-3910.1040	10%, 20%, 30%, 40%	38 80	100 piece
D-3910.1060	10%, 20%, 30%, 40%, 50%, 60%	38 110	200 piece
D-3910.3050	30%, 40%, 50%	38 65	125 piece



**Vacuum sealers**

**Vacuum packaging machine**

Benefit from the advantages of the vacuum packaging machines with gas flushing. Since no complete chamber has to be gassed or emptied, the operation is quickly completed with lower gas consumption.

- quick operation
- lower gas consumption
- no restriction of the bag length
- high-quality stainless steel housing
- compact table-top device



Typ VS450M-D / VS450E-D

Features:

- double sealing (up/down)
- vacuum pump
- gas flushing time-controlled
- sensor- or time-controlled vacuum generation
- digital LCD vacuum display
- 5 programs can be saved



Typ VS800E-D

Technical data:

Device	VS450M-D	VS450E-D	VS600E-D	VS800E-D
Weight	28 kg	30 kg	32 kg	39 kg
Dimensions	641 x 380 x 269 mm	354 x 506 x 263 mm	700 x 460 x 260 mm	735 x 846 x 276 mm
Sealing bar length	450 mm	450 mm	600 mm	800 mm
Sealing bar width	10 mm	10 mm	10 mm	5 mm
max. bag width	400 mm	400 mm	590 mm	790 mm
Vacuum pump	Vacuum pump	Ejector vacuum pump	Ejector vacuum pump	Ejector vacuum pump
Air pressure	movement motorized	approx. 6.5 bar	approx. 6.5 bar	approx. 6.5 bar

**dpmlink 21666**

Article	Type
3420.450.M	<b>Vacuum packaging machine type VS450E-D</b> with vacuum pump (ejector vacuum pump optionally available)
3420.450.E	<b>Vacuum packaging machine type VS450E-D</b> with ejector vacuum pump
3420.600.E	<b>Vacuum packaging machine type VS600E-D</b> with ejector vacuum pump
3420.800.E	<b>Vacuum packaging machine type VS800E-D</b> with ejector vacuum pump



**Vacuum packaging machines - table models**



The **ESD models VACUBOY** and **PLUSVAC 20** are ideal for the safe vacuum packaging of highly sensitive electronic components. Compact table chamber models enable a reliable vacuum procedure without complex assembly. In combination with the **Comfort control board** high-performance vacuum pumps ensure a quick processing.



VACUBOY

- Made in Germany
- high-quality stainless steel housing
- chamber model
- high-performance vacuum pump
- vacuum stop button
- electronic Comfort control board
- insert plates for height adjustment
- convex acrylic glass lid
- with large LED display, also readable from the distance



PLUSVAC 20

- **ESD version**
- stainless steel housing
- dissipative feet
- dissipative insert plates
- dissipative lid

**Technical data**

Model	VACUBOY ESD	PLUSVAC 20 ESD
Chamber size W x L x H	360 x 380 x 140 mm	430 x 505 x 175 mm
Sealing length	350 mm	1 x 405 mm optionally 2nd sealing bar
Sealing jaw	front back optionally with 2nd sealing bar	front back optionally with 2nd se- aling bar
Pump	10 cbm/h	21 cbm/h
Power supply	230 V / 1 Ph+N+PE/50 Hz	400 V / 3 Ph+N+PE/50 Hz
Power	0.7 kW	1.1 kW
Max. bag size	350 x 400 mm	400 x 500 mm
External dimensions W x D x H closed lid	400 x 500 x 360 mm	480 x 655 x 385 mm
Height open lid	760 mm	920 mm
Weight	44 kg	62 kg

**Options**

- Perfect control board
- Gas flushing
- Cut-off and sealing
- Air pressure supported sealing
- Switch off sealing bar
- Additional sealing bar
- Bigger vacuum pump

**Perfect control board**

Sensor-control electronics ensure a constant vacuum. Vacuum and sealing times are adjustable. Up to 10 application programs are possible.



**dpvlink 22104**



Article	Type
3430.100	<b>VACUBOY ESD Vacuum packaging machine</b> Table model with Comfort control board Chamber size 360 x 380 x 140 mm Sealing length 350 mm

**Optionen**

3430.150	<b>Program control board Perfect</b> constant vacuum for VACUBOY
3430.151	<b>Gas flushing</b> for VACUBOY
3430.152	<b>Cut-off sealing</b> Cut-off and sealing with time setting for VACUBOY
3430.153	<b>Reinforced transformer</b> for VACUBOY

**Vacuum packaging machine - table model PLUSVAC 20**



**dpvlink 22148**



Article	Type
3430.201	<b>PLUSVAC 20 ESD vacuum packaging machine 400 Volt</b> Table model with Comfort control board Chamber size 430 x 505 x 175 mm Sealing length 405 mm

**Optionen**

3430.250	<b>Program control board Perfect</b> constant vacuum for PLUSVAC 20
3430.251	<b>Gas flushing</b> for PLUSVAC 20
3430.252	<b>Cut-off sealing</b> Cut-off and sealing with time setting for PLUSVAC 20
3430.253	<b>Reinforced transformer</b> for PLUSVAC 20
3430.254	<b>Air pressure</b> Air pressure supported sealing for thicker bags for PLUSVAC 20
3430.255	<b>2nd sealing bar</b> for PLUSVAC 20 sealing bar in the back

## Vacuum packaging machines - floor models

The **ESD floor models PLUSVAC 21** and **PLUSVAC24** are ideal for the safe vacuum packaging of highly sensitive electronic components. You play it safe using ESD film bags e.g. DPV-100. Robust and compact floor models are suitable for any application. In combination with the **Comfort control board** high-performance vacuum pumps ensure a quick processing.



- Made in Germany
- chamber model
- high-quality stainless steel housing
- high-performance vacuum pump
- vacuum stop button
- electronic Comfort control board
- insert plates for height adjustment
- convex acrylic glass lid
- with large LED display, also readable from the distance

- **ESD version** 
  - stainless steel housing
  - dissipative feet
  - dissipative insert plates
  - dissipative lid

### Technical data

Model	PLUSVAC 21 ESD	PLUSVAC 24 ESD
Chamber size W x L x H	430 x 505 x 175 mm	640 x 480 x 200 mm
Sealing length	1 x 405 mm (2 x 405 mm / 2nd optional sealing bar)	2 x 455 mm
Sealing jaws	in front back optionally with 2nd sealing bar	right and left
Pump	21 (40 / 40 / 60) cbm/h	40 (40 / 60) cbm/h
Power supply	400 V / 3 Ph+N+PE/50 Hz	400 V / 3 Ph+N+PE/50 Hz
Power	1.1 (1.5 / 1.9) kW	1.5 (1.5 / 1.9) kW
Max. bag size	400 x 500 mm	450 x 600 mm
External dimensions W x D x H closed lid	480 x 655 x 975 mm	710 x 665 x 1,010 mm
Height open lid	1550 mm	1500mm
Weight	65 (95 / 97) kg	115 (115 / 117) kg

### Options

- Perfect control board
- Gas flushing
- Cut-off and sealing
- Air pressure supported sealing
- Switch off sealing bar
- Additional sealing bar
- Bigger vacuum pump

### Perfect control board

Sensor-control electronics ensure a constant vacuum. Vacuum and sealing times are adjustable. Up to 10 application programs are possible.



### dpvlink 22106



Article	Type
3430.300	<b>PLUSVAC 21 ESD Vacuum packaging machine</b> Floor model with Comfort control board Chamber size 430 x 505 x 175 mm Sealing length 405 mm
3430.350	<b>Optionen</b> <b>Program control board Perfect PLUSVAC 21</b> constant vacuum for PLUSVAC 21
3430.351	<b>Gas flushing</b> for PLUSVAC 21
3430.352	<b>Cut-off sealing PLUSVAC 21</b> Cut-off and sealing with time setting for PLUSVAC 21
3430.353	<b>Reinforced transformer for PLUSVAC 21</b> for PLUSVAC 21
3430.354	<b>Air pressure PLUSVAC 21</b> Air pressure supported sealing for thicker bags for PLUSVAC 21
3430.355	<b>2nd sealing bar</b> for PLUSVAC 21 not possible in combination with gas flushing sealing bar in the back
3430.356	<b>40 cbm/h pump</b> for PLUSVAC 21
3430.357	<b>60 cbm/h pump</b> for PLUSVAC 21

## Vacuum packaging machine - floor model PLUSVAC 24

### dpvlink 22160



Article	Type
3430.400	<b>PLUSVAC 24 ESD Vacuum packaging machine</b> Floor model with Comfort control board Chamber size 640 x 480 x 200 mm Sealing length 2 x 455 mm
3430.450	<b>Optionen</b> <b>Program control board Perfect</b> constant vacuum for PLUSVAC 24
3430.451	<b>Gas flushing</b> for PLUSVAC 24
3430.452	<b>Cut-off sealing</b> Cut-off and sealing with time setting for PLUSVAC 24
3430.454	<b>Air pressure PLUSVAC 24</b> Air pressure supported sealing for thicker bags for PLUSVAC 24
3430.457	<b>60 cbm/h pump</b> for PLUSVAC 24

ESD shipping boxes

CORTRONIC® Shipping boxes standard

HANS KOLB 



CORTRONIC® shipping boxes **standard**, with high shielding, color: blue, with ESD imprint, long-lasting color fastness

- Typical surface resistance interior / exterior  $R_s = 10^7 - 10^8$  ohm ESD
- Electrostatic shielding 10 nJ (Energy Bag Test)

For suitable foam inserts see **dpvlink 641**

**dpvlink 626**

Article	Dimensions inside LxWxH [mm]	Foam
COR-01.TVS	40 x 40 x 15	PU foam for pin insertion / napped foam EL black
COR-02.TVS	62 x 62 x 25	PU foam for pin insertion / napped foam EL black
COR-05.TVS	100 x 55 x 25	
COR-10.TVS	183 x 127 x 38	
COR-15.TVS	178 x 127 x 64	
COR-20.TVS	190 x 135 x 40	
COR-30.TVS	250 x 191 x 38	
COR-40.TVS	250 x 191 x 64	
COR-45.TVS	250 x 191 x 110	
COR-50.TVS	267 x 216 x 64	
COR-55.TVS	300 x 300 x 100	
COR-56.TVS	340 x 300 x 100	
COR-57.TVS	380 x 280 x 60	
COR-58.TVS	380 x 250 x 120	
COR-60.TVS	420 x 220 x 40	
COR-65.TVS	420 x 220 x 65	
COR-70.TVS	480 x 350 x 64	

Shipping boxes - customer-specific - available on request

Inserts for shipping boxes

HANS KOLB 

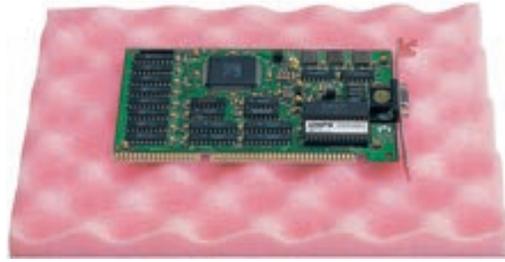


Fixing strips, dissipative, integrated in matching shipping box

**dpvlink 13188**

Article	L [mm]	W [mm]	Thickness [mm]
COR-10.FL	127	20	20
COR-30.FL	191	20	20

PU Foam for shipping boxes



EPA pack

PU foam, electrostatically dissipative, open-cell, soft design. Color: pink

Suitable as:

- insert for shipping boxes

In compliance with ESD standard DIN EN 61340-5-1 

Available with napped foam profile 1:1 or smooth foam.

**dpvlink 641**

Article	L [mm]	W [mm]	Thickness [mm]	Version
4920.1.10	100	55	10	napped profile 1:1
4903.0.15	178	127	15	smooth
4903.1.15	178	127	15	napped profile 1:1
4903.1.20	178	127	20	napped profile 1:1
4903.0.20	178	127	20	smooth
4921.1.20	190	135	20	napped profile 1:1
4904.1.20	250	191	20	napped profile 1:1
4904.0.15	250	191	15	smooth
4904.0.20	250	191	20	smooth
4906.0.20	267	216	20	smooth
4906.1.30	267	216	30	napped profile 1:1
4922.1.20	300	300	20	napped profile 1:1
4914.1.20	330	180	20	napped profile 1:1
4923.1.20	380	280	20	napped profile 1:1
4915.1.20	380	320	20	napped profile 1:1
4916.1.20	393	300	20	napped profile 1:1
4911.0.20	400	300	20	smooth
4911.1.30	400	300	30	napped profile 1:1
4910.0.15	420	220	15	smooth
4910.1.20	420	220	20	napped profile 1:1
4918.1.20	490	460	20	napped profile 1:1
4935.1.20	550	350	20	napped profile 1:1
4935.1.20.SK	550	350	20	napped profile 1:1, self-adhesive

Special thicknesses/cuttings, stamped parts, plates and rolls available on request

PU Gridded foam for shipping boxes



Gridded foam, dissipative, pre-cut grid 15/15 mm

**dpvlink 15724**

Article	L [mm]	W [mm]	Thickness [mm]
4903.0.20.R15	178	127	20
4904.0.20.R15	250	191	20

Special thicknesses/cuttings, plates available on request

### CORTRONIC Flatpac insert for shipping boxes

HANS KOLB 



CORTRONIC Flatpac inserts for shipping boxes standard, color: blue with stretch film, transparent, dissipative 

- no foam inserts required

dpvlink 5933

Article	Dimensions inside LxWxH [mm]
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#### CORTRONIC Flatpac insert for shipping boxes

COR-10.DFP	183 x 127 x 38
COR-15.DFP	178 x 127 x 64
COR-20.DFP	190 x 135 x 40
COR-30.DFP	250 x 191 x 38
COR-40.DFP	250 x 191 x 64
COR-45.DFP	250 x 191 x 110
COR-50.DFP	267 x 216 x 64
COR-55.DFP	300 x 300 x 100
COR-57.DFP	380 x 280 x 60

### CORTRONIC® Shipping boxes Cor-Pack

HANS KOLB 



CORTRONIC shipping boxes **Cor-Pack** with high shielding color: blue, with ESD imprint, long-lasting color fastness **incl. 20 mm profile foam pink/dissipative**

- Interior/exterior:  $R_s = 10^7 - 10^8 \text{ ohm}$  
- Electrostatic shielding 10 nJ (Energy Bag Test)

dpvlink 5780

Article	Dimensions inside LxWxH [mm]
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#### CORTRONIC® Shipping boxes Cor-Pack

COR-05.TCP	150 x 115 x 40
COR-10.TCP	220 x 140 x 50
COR-20.TCP	280 x 140 x 100

Shipping boxes - customer-specific - available on request

All shipping boxes are also available ready-made and with inserted foam

### CORTRONIC® Shipping boxes KORRVU

HANS KOLB 



CORTRONIC shipping boxes **KORRVU**, with high shielding, color: blue, with ESD imprint, long-lasting color fastness

With a **permanently conductive fixing film on PU basis** KORRVU offers a packaging solution that renounces completely foam inserts.

#### Advantages:

- One-product packaging
- completely recyclable
- Reduction of the storage and transport costs due to the now unnecessary foam inserts
- long-term safety of the inserted ESD components
- Interior/exterior:  $R_s = 10^7 - 10^8 \text{ ohm}$  
- Electrostatic shielding 10 nJ (Energy Bag Test)

dpvlink 5800

Article	Dimensions inside LxWxH [mm]
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#### CORTRONIC® Shipping boxes KORRVU

COR-20.KC	125 x 107 x 25
COR-30.KC	160 x 127 x 34
COR-40.KC	235 x 175 x 45
COR-50.KC	282 x 228 x 70

Shipping boxes - customer-specific - available on request

### CORTRONIC® Shipping box E-Prom

HANS KOLB 



CORTRONIC shipping boxes **E-Prom**, with electrically conductive pin-insertion foam (6 mm PE or PU) or napped foam (10 mm) color: blue, with ESD imprint

dpvlink 13309

Article	Dimensions inside [mm] LxWxH	Foam
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#### CORTRONIC® Shipping box E-Prom

COR-05.TEP	95 x 30 x 15	without foam
COR-05.TEP.NO	95 x 30 x 15	napped foam
COR-05.TEP.PE	95 x 30 x 15	PE foam for pin insertion
COR-05.TEP.PE+NO	95 x 30 x 15	PE foam for pin insertion / napped foam
COR-10.TEP	100 x 60 x 15	without foam
COR-10.TEP.NO	100 x 60 x 15	napped foam
COR-10.TEP.PE	100 x 60 x 15	PE foam for pin insertion
COR-10.TEP.PE+NO	100 x 60 x 15	PE foam for pin insertion / napped foam
COR-15.TEP	100 x 60 x 30	without foam
COR-15.TEP.NO	100 x 60 x 30	napped foam
COR-15.TEP.PE	100 x 60 x 30	PE foam for pin insertion
COR-15.TEP.PE+NO	100 x 60 x 30	PE foam for pin insertion / napped foam
COR-20.TEP	120 x 100 x 15	without foam
COR-20.TEP.NO	120 x 100 x 15	napped foam
COR-20.TEP.PE	120 x 100 x 15	PE foam for pin insertion
COR-20.TEP.PE+NO	120 x 100 x 15	PE foam for pin insertion / napped foam
COR-30.TEP	155 x 70 x 25	without foam
COR-30.TEP.NO	155 x 70 x 25	napped foam
COR-30.TEP.PE	155 x 70 x 25	PE foam for pin insertion
COR-30.TEP.PE+NO	155 x 70 x 25	PE foam for pin insertion / napped foam

### CORTRONIC American Box TAB

HANS KOLB 



CORTRONIC American Box TAB made of corrugated cardboard, interior and exterior with electrostatically dissipative coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable. High shielding, color: black, with ESD imprint

In compliance with the ESD standard DIN EN 61340-5-1 

dpvlink 24275

Article	Dimensions outside/inside LxWxH [mm]
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#### CORTRONIC American Box TAB

COR-15.TAB	389 x 278 x 67	362 x 251 x 60
COR-13.TAB	373 x 259 x 188	362 x 251 x 172
COR-30.TAB	562 x 370 x 188	551 x 362 x 172
COR-35.TAB	562 x 370 x 236	551 x 362 x 220

### Adhesive tape black

dpvlink 24358

Article	Type
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COR-10.KB Adhesive tape black 50 mm x 66 m for Cortronic



**SAFESHIELD Shipping boxes**



SAFESHIELD shipping boxes with high shielding, color: blue, with ESD imprint

- In compliance with ESD standard DIN EN 61340-5-1
- Electrostatic shielding < 10 nJ (Energy Test)

For suitable foam inserts see **dpvlink 641**

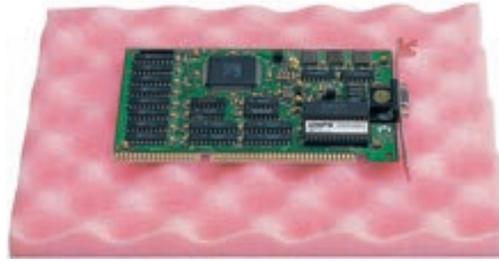
**dpvlink 616**



Article	Dimensions inside LxWxH [mm]	Foam
<b>SAFESHIELD Shipping boxes</b>		
5510.902	95 x 30 x 15	PE foam for pin insertion / 6 mm
5510.908	100 x 60 x 15	PE foam for pin insertion / 6 mm
5510.909	120 x 100 x 15	PE foam for pin insertion / 6 mm
5510.903	178 x 127 x 38	
5510.903.H	178 x 127 x 64	without foam
5510.907	200 x 140 x 50	profile foam / 20 mm
5510.904	250 x 191 x 38	
5510.905	250 x 191 x 64	
5510.912	250 x 191 x 110	
5510.906	267 x 216 x 64	
5510.913	300 x 300 x 100	
5510.914	330 x 180 x 70	
5510.915	380 x 320 x 60	
5510.916	393 x 300 x 90	
5510.911	400 x 300 x 65	
5510.910	420 x 220 x 40	
5510.917	420 x 220 x 65	
5510.918	490 x 460 x 80	

**Shipping boxes - customer-specific - available on request**

**PU Foam for shipping boxes**



PU foam, electrostatically dissipative, open-cell, soft design.  
Color: pink

**Suitable as:**

- insert for shipping boxes

In compliance with ESD standard DIN EN 61340-5-1

Available with napped foam profile 1:1 or smooth foam.

**dpvlink 641**



Article	L [mm]	W [mm]	Thickness [mm]	Version
4920.1.10	100	55	10	napped profile 1:1
4903.0.15	178	127	15	smooth
4903.1.15	178	127	15	napped profile 1:1
4903.1.20	178	127	20	napped profile 1:1
4903.0.20	178	127	20	smooth
4921.1.20	190	135	20	napped profile 1:1
4904.1.20	250	191	20	napped profile 1:1
4904.0.15	250	191	15	smooth
4904.0.20	250	191	20	smooth
4906.0.20	267	216	20	smooth
4906.1.30	267	216	30	napped profile 1:1
4922.1.20	300	300	20	napped profile 1:1
4914.1.20	330	180	20	napped profile 1:1
4923.1.20	380	280	20	napped profile 1:1
4915.1.20	380	320	20	napped profile 1:1
4916.1.20	393	300	20	napped profile 1:1
4911.0.20	400	300	20	smooth
4911.1.30	400	300	30	napped profile 1:1
4910.0.15	420	220	15	smooth
4910.1.20	420	220	20	napped profile 1:1
4918.1.20	490	460	20	napped profile 1:1
4935.1.20	550	350	20	napped profile 1:1
4935.1.20.SK	550	350	20	napped profile 1:1, self-adhesive

**Special thicknesses/cuttings, stamped parts, plates and rolls available on request**

**PU Gridded foam for shipping boxes**



Gridded foam, dissipative, pre-cut grid 15/15 mm

**dpvlink 15724**



Article	L [mm]	W [mm]	Thickness [mm]
4903.0.20.R15	178	127	20
4904.0.20.R15	250	191	20

**Special thicknesses/cuttings, plates available on request**

Cardboard containers

**CORTRONIC**  
Customer-Store-Container with external dimensions 389 x 278 mm



CORTRONIC Customer-Store-Container made of corrugated cardboard, interior and exterior with electrostatically dissipative coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable. With high shielding, color: black, with ESD imprint



- Interior/exterior:  $R_s = 10^7 - 10^8 \text{ ohm}$  
- Electrostatic shielding of 10 nJ (Energy Bag Test)

Container can also be used without lid.

dpvlink 739

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>CORTRONIC Customer-Store-Container with external dimensions 389 x 278 mm</b>			
COR-03.CSC	389 x 278 x 67	362 x 251 x 60	corrugated board
COR-05.CSC	389 x 278 x 107	362 x 251 x 100	corrugated board
COR-10.CSC	389 x 278 x 146	362 x 251 x 139	corrugated board
COR-15.CSC	389 x 278 x 227	362 x 251 x 220	corrugated board
COR-16.CSC	389 x 278 x 307	362 x 251 x 300	corrugated board

dpvlink 25824

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>CORTRONIC Customer-Store-Container with external dimensions 578 x 389 mm</b>			
COR-17.CSC	578 x 389 x 67	551 x 362 x 60	corrugated board
COR-19.CSC	578 x 389 x 107	551 x 362 x 100	corrugated board
COR-20.CSC	578 x 389 x 146	551 x 362 x 139	corrugated board
COR-30.CSC	578 x 389 x 179	551 x 362 x 172	corrugated board
COR-35.CSC	578 x 389 x 227	551 x 362 x 220	corrugated board

dpvlink 25837

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>CORTRONIC Customer-Store-Container with external dimensions 578 x 389 mm</b>			
COR-36.CSC	578 x 389 x 307	550 x 365 x 300	corrugated board
COR-40.CSC	578 x 389 x 410	550 x 365 x 400	corrugated board

**CORTRONIC Lid for Customer-Store-Containers**



Lid for Customer-Store-Container



dpvlink 13304

Article	Type
COR-03-15.CSC-D	Lid for art. COR-03/05/10/15.CSC
COR-17-40.CSC-D	Lid for art. COR-17/19/20/30/35/36/40.CSC

Interlayers for Customer-Store-Containers



Interlayers made of corrugated cardboard, dissipative

dpvlink 5961

Article	Type
COR-05.DZW	Interlayers 357 x 246 mm 2 corners beveled
COR-10.DZW	Interlayers 550 x 350 mm 2 corners beveled

CSC Long partition 360 / 549 mm

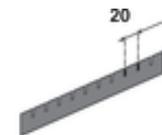


made of solid board, dissipative, exterior with water-repellent and scratch-resistant coating, recyclable

dpvlink 10909

Article	Type
COR-03.CSCL	<b>CSC long partition for 03 - 15.CSC</b> 360 x 60 mm (6 slots), spacing 50 mm
COR-05.CSCL	<b>CSC long partition for 03 - 15.CSC</b> 360 x 100 mm (6 slots), spacing 50 mm
COR-10.CSCL	<b>CSC long partition for 03 - 15.CSC</b> 360 x 139 mm (6 slots), spacing 50 mm
COR-15.CSCL	<b>CSC long partition for 03 - 15.CSC</b> 360 x 220 mm (6 slots), spacing 50 mm
COR-17.CSCL	<b>CSC long partition for 17 - 35.CSC</b> 549 x 60 mm (11 slots), spacing 50 mm
COR-17.CSCL20	<b>CSC long partition for 17 - 35.CSC</b> 549 x 60 mm (24 slots), spacing 20 mm
COR-19.CSCL	<b>CSC long partition for 19 - 35.CSC</b> 549 x 100 mm (11 slots), spacing 50 mm
COR-19.CSCL20	<b>CSC long partition for 19 - 35.CSC</b> 549 x 100 mm (24 slots), spacing 20 mm
COR-20.CSCL	<b>CSC long partition for 20 - 35.CSC</b> 549 x 139 mm (11 slots), spacing 50 mm
COR-20.CSCL20	<b>CSC long partition for 20 - 35.CSC</b> 549 x 139 mm (24 slots), spacing 20 mm
COR-30.CSCL	<b>CSC long partition for 30 - 35.CSC</b> 549 x 172 mm (11 slots), spacing 50 mm
COR-30.CSCL20	<b>CSC long partition for 30 - 35.CSC</b> 549 x 172 mm (24 slots), spacing 20 mm
COR-35.CSCL	<b>CSC long partition for 35 - 35.CSC</b> 549 x 220 mm (11 slots), spacing 50 mm
COR-35.CSCL20	<b>CSC long partition for 35 - 35.CSC</b> 549 x 220 mm (24 slots), spacing 20 mm

CSC Short partition 249 / 360 mm



made of solid board, dissipative, exterior with water-repellent and scratch-resistant coating, recyclable

dpvlink 10890

Article	Type
COR-03.CSCK	<b>CSC short partition for 03 - 15.CSC</b> 249 x 60 mm (10 slots)
COR-05.CSCK	<b>CSC short partition for 03 - 15.CSC</b> 249 x 100 mm (10 slots)
COR-10.CSCK	<b>CSC short partition for 03 - 15.CSC</b> 249 x 139 mm (10 slots)
COR-15.CSCK	<b>CSC short partition for 03 - 15.CSC</b> 249 x 220 mm (10 slots)
COR-17.CSCK	<b>CSC short partition for 17 - 35.CSC</b> 360 x 60 mm (15 slots)
COR-19.CSCK	<b>CSC short partition for 17 - 35.CSC</b> 360 x 100 mm (15 slots)
COR-20.CSCK	<b>CSC short partition for 17 - 35.CSC</b> 360 x 139 mm (15 slots)
COR-30.CSCK	<b>CSC short partition for 17 - 35.CSC</b> 360 x 172 mm (15 slots)
COR-35.CSCK	<b>CSC short partition for 17 - 35.CSC</b> 360 x 220 mm (15 slots)

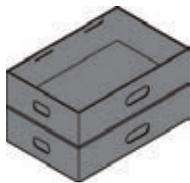
**CORSTAT CSC Inserts "box in box"** HANS KOLB



for CORTRONIC Customer-Store Container 17 and 19; made of corrugated cardboard, interior and exterior with electrostatically conductive coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable, color: black  
In compliance with ESD standard DIN EN 61340-5-1

dpvlink 10815		
Article	Dimensions inside LxWxH [mm]	
<b>CORSTAT CSC Inserts "box in box"</b>		
COR-17.CB1/4	256 x 162 x 56	4 boxes/container
COR-19.CB1/4	256 x 163 x 95	4 boxes/container

**CORTRONIC Multibox** HANS KOLB



Cortronic Multibox made of corrugated cardboard, interior and exterior with electrostatically dissipative coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable. With high shielding, color: black, with ESD imprint

- Interior/exterior  $R_s = 10^7 - 10^8 \text{ ohm}$
- Electrostatic shielding 10 nJ (Energy Bag Test)

dpvlink 7096		
Article	Dimensions outside/inside LxWxH [mm]	
<b>CORTRONIC Multibox</b>		
COR-10.MB	591 x 391 x 114	565 x 365 x 109
COR-20.MB	591 x 391 x 214	565 x 365 x 209

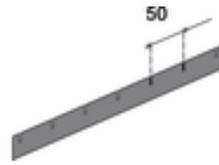
**Lid for CORTRONIC Multibox** HANS KOLB



Slip lid for Multibox containers

dpvlink 11088	
Article	Type
COR-10.30.MBSD	Slip lid for art. COR-10/20.MB

**Short partition for Multibox 10 - 20-MB** HANS KOLB



Short partition approx. 352 x 100/200 mm (7 slots); exterior with water-repellent and scratch-resistant coating

dpvlink 10910	
Article	Type
COR-100.MBK	approx. 352 x 100 mm (7 slots)
COR-200.MBK	approx. 352 x 200 mm (7 slots)

**Long partition for Multibox 10 - 20-MB** HANS KOLB



Long partition approx. 552 x 100/200 mm (22 slots); exterior with water-repellent and scratch-resistant coating.

dpvlink 10917	
Article	Type
COR-100.MBL	approx. 552 x 100 mm (22 slots)
COR-200.MBL	approx. 552 x 200 mm (22 slots)

**CORSTAT Reel-Box** HANS KOLB

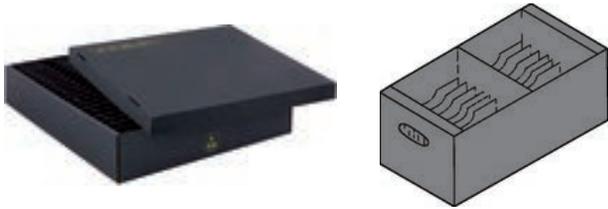


Made of corrugated cardboard, interior and exterior with electrostatically conductive coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable, color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 745	
Article	Type
COR-10.CRB	<b>CORSTAT Reel-Box 180</b> 380 x 180 x 100 mm, for 16 reels max. Ø 180 mm
COR-30.CRB	<b>CORSTAT Reel-Box 380</b> 355 x 286 x 220 mm, for 5 reels max. Ø 380 mm

**CORTRONIC Partition container**



CORTRONIC partition container including lid made of corrugated cardboard, interior and exterior with electrostatically dissipative coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable. With high shielding, color: black, with ESD imprint

- Interior/exterior:  $R_s = 10^7 - 10^9 \text{ ohm}$  
- Electrostatic shielding 10 nJ (Energy Bag Test)

By removing the short or long partitions it is possible to modify the compartment sizes. Thus, the basic version can be turned into version A, B or C.

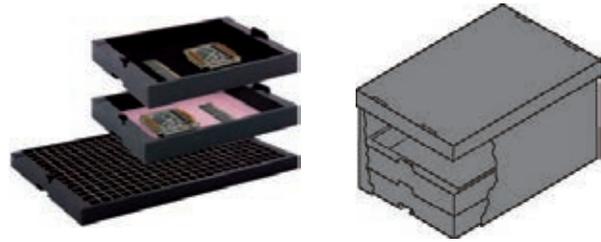
Article	Internal dimensions LxBxH mm	Compartment sizes LxBxH mm	Compartments	Short partitions	Long partitions
COR-10.TSC	270x168x195	130x24x195 265x27x195 [A]	12 6	1 -	5 5
COR-15.TSC	372x388x84	109x18x84 165x18x84 [A]	60 40	19 19	4 3
COR-20.TSC	386x386x176	110x30x175 168x30x175 [A] 340x30x175 [B]	30 20 10	4 3 2	9 9 9
COR-30.TSC	386x386x358	168x35x350 340x35x350 [A]	18 9	8 8	3 2
COR-40.TSC	424x272x281	178x18x280 365x18x280 [A]	22 11	3 2	10 10
COR-41.TSC	424x272x281	117x22x280 238x22x280 [A]	30 15	16 16	3 2
COR-45.TSC	493x390x166	178x45x166 360x45x166 [A]	20 10	9 9	3 2
COR-48.TSC	563x355x150	123x24x150	44	5	10
		165x24x150 [A]	33	4	10
		250x24x150 [B]	22	3	10
		515x24x150 [C]	11	2	10
COR-50.TSC	562x355x329	123x24x325	44	5	10
		165x24x325 [A]	33	4	10
		250x24x325 [B]	22	3	10
		515x24x325 [C]	11	2	10

Single parts (containers, lids, partitions) on request

**dpvlink 5787**

Article	Dimensions outside/inside LxWxH [mm]	
<b>CORTRONIC Partition container</b>		
COR-10.TSC	297 x 181 x 204	270 x 169 x 195
COR-15.TSC	400 x 400 x 100	372 x 388 x 84
COR-20.TSC	415 x 405 x 190	386 x 386 x 176
COR-30.TSC	415 x 405 x 365	386 x 386 x 358
COR-40.TSC	450 x 290 x 290	424 x 272 x 281
COR-41.TSC	450 x 290 x 290	424 x 272 x 281
COR-45.TSC	510 x 410 x 175	493 x 390 x 166
COR-48.TSC	595 x 380 x 160	562 x 355 x 150
COR-50.TSC	595 x 380 x 335	562 x 355 x 329

**CORSTAT Tray**



Made of corrugated paper, interior and exterior with electrostatically conductive coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable, with stacking nose reinforcement, color: black

In compliance with ESD standard DIN EN 61340-5-1 

Versions:

- CTR = without foam
- CTR.as = with foam inlay dissipative, pink
- CTR.el = with foam inlay conductive, black
- CRT-EE = without foam inlay, very stable version, high shielding

CORSTAT Trays fitting in Euro containers 400 x 300 mm respectively 600 x 400 mm and Customer-Store-Container

**dpvlink 709**

Article	Dimensions outside/inside LxWxH [mm]		Version
<b>CORSTAT Tray</b>			
COR-05.CTR	351 x 246 x 31	297 x 230 x 28	without foam
COR-05.CTR.as	351 x 246 x 31	297 x 230 x 28	with dissipative foam inlay, pink
COR-05.CTR.el	351 x 246 x 31	297 x 230 x 28	with conductive foam inlay, black
COR-06.CTR	351 x 246 x 60	297 x 230 x 55	without foam
COR-06.CTR.as	351 x 246 x 60	297 x 230 x 55	with dissipative foam inlay, pink
COR-06.CTR.el	351 x 246 x 60	297 x 230 x 55	with conductive foam inlay, black
COR-20.CTR	550 x 346 x 31	499 x 330 x 28	without foam
COR-20.CTR.as	550 x 346 x 31	499 x 330 x 28	with dissipative foam inlay, pink
COR-20.CTR.el	550 x 346 x 31	499 x 330 x 28	with conductive foam inlay, black
COR-20.CTR-EE	550 x 346 x 33	499 x 330 x 28	sturdy version, without foam inlay
COR-25.CTR	550 x 346 x 43	499 x 330 x 40	without foam
COR-25.CTR.as	550 x 346 x 43	499 x 330 x 40	with dissipative foam inlay, pink
COR-25.CTR.el	550 x 346 x 43	499 x 330 x 40	with conductive foam inlay, black
COR-25.CTR-EE	550 x 346 x 43	499 x 330 x 40	sturdy version, without foam inlay
COR-30.CTR	550 x 346 x 73	499 x 330 x 70	without foam
COR-30.CTR.as	550 x 346 x 73	499 x 330 x 70	with dissipative foam inlay, pink
COR-30.CTR.el	550 x 346 x 73	499 x 330 x 70	with conductive foam inlay, black
COR-30.CTR-EE	550 x 346 x 73	499 x 330 x 70	sturdy version, without foam inlay

**CORSTAT Tube-Box**



made of corrugated cardboard, interior and exterior with electrostatically conductive coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable, color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 750**

Article	Dimensions outside/inside LxWxH [mm]	
<b>CORSTAT Tube-Box</b>		
COR-05.CTB	610 x 113 x 51	600 x 95 x 45
COR-10.CTB	600 x 113 x 101	590 x 95 x 95

+++ minimum order quantity 10 pieces +++

**CORSTAT Storage box, open**



made of corrugated cardboard, interior and exterior with electrostatically conductive coating and sealing, exterior with water-repellent and scratch-resistant coating, recyclable, color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 755

Article	Dimensions outside/inside LxWxH [mm]	Material
<b>CORSTAT Storage box, open</b>		
COR-05.CLBO	202 x 70 x 70 180 x 62 x 65	corrugated board
COR-10.CLBO	305 x 159 x 115 285 x 150 x 110	corrugated board
COR-15.CLBO	313 x 116 x 127 292 x 109 x 122	corrugated board
COR-20.CLBO	600 x 73 x 66 580 x 65 x 65	corrugated board
COR-30.CLBO	611 x 117 x 127 592 x 109 x 122	corrugated board
COR-40.CLBO	611 x 161 x 75 592 x 153 x 70	corrugated board
COR-45.CLBO	609 x 209 x 185 590 x 200 x 180	corrugated board

+++ Minimum order quantity 10 pieces +++

**IC bar magazine 10-ICM**



-On the picture 3 stacked bar magazines -

IC bar magazine 10-ICM 336 x 586 x 35 mm outside, stackable, box with dissipative and shielding properties, black.

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 17320

Article	Dimensions outside
<b>IC bar magazine 10-ICM</b>	
COR-10.ICM	599 x 399 x 39

**CORSTAT Storage box for IC bars, open**



made of corrugated cardboard interior and exterior with electrostatically conductive coating and sealing, recyclable, color: blue

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 757

Article	Dimensions inside LxWxH [mm]
<b>CORSTAT Storage box for IC bars, open</b>	
5510.095	630 x 95 x 95
5510.195	630 x 195 x 95

**ESD foams**

**PE foam interlayers, dissipative**



PE foam is electrostatically dissipative, partially with skin, cross-linked, closed-cell, corrosion-free, abrasion-resistant. Color: black

Suitable as:

- pin-insertion foam
- interlayers for containers
- partitions for containers
- workstation pad

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 700

Article	L [mm]	W [mm]	Thickness [mm]
4550.03.0153	253	153	3
4550.03.0253	353	253	3
4550.03.0255.KLT	340	255	3
4550.03.0300	300	300	3
4550.03.0353	553	353	3
4550.03.0355.KLT	540	355	3
4550.03.Z		Cutting	3
4550.06.0153	253	153	3
4550.06.0253	353	253	6
4550.06.0255.KLT	340	255	6
4550.06.0300	300	300	6
4550.06.0353	553	353	6
4550.06.0355.KLT	540	355	6
4550.06.0550	750	550	6
4550.06.Z		Cutting	6
4550.10.0253	353	253	10
4550.10.0255.KLT	340	255	10
4550.10.0353	553	353	10
4550.10.0355.KLT	540	355	10
4550.10.0550	750	550	10
4550.10.Z		Cutting	10

**PE foam plates, dissipative**



dpvlink 702

Article	L [mm]	W [mm]	Thickness [mm]
4550.03.1000	1000	1000	3
4550.03.1500	1500	1000	3
4550.06.1000	1000	1000	6
4550.06.1500	1500	1000	6
4550.10.1000	1000	1000	10
4550.10.1500	1500	1000	10

further thicknesses, cuttings and assemblies available on request -

**PU Foam, soft, conductive** 



**EPA**store

PU foam, electrostatically conductive, open-cell.  
Color: black

**Suitable as:**

- **soft** = cushion foam
- **hard** = pin-insertion foam

In compliance with ESD standard DIN EN 61340-5-1 

Available as napped foam profile 1:1 or smooth foam

**dpvlink 690**

Article	L [mm]	W [mm]	Thickness [mm]	Version
4450.weich	353	253	6	soft, smooth
4451.weich	553	353	6	soft, smooth
4454.weich	353	253	10	soft, smooth
4455.weich	553	353	10	soft, smooth
4456.weich	353	253	15	soft, smooth
4457.weich	553	353	15	soft, smooth
4458.weich.20	353	253	20	soft, smooth
4458.weich.30	353	253	30	soft, smooth
4459.weich.20	553	353	20	soft, smooth
4459.weich.30	553	353	30	soft, smooth
4450.weich.Z	Cutting			soft, smooth
4470.1.32	250	150	20	soft, napped profile 1:1
4470.1.43	350	250	20	soft, napped profile 1:1
4470.1.64	550	350	20	soft, napped profile 1:1
4470.1.64-H35	550	350	35	soft, napped profile 1:1



**PU foam, hard, conductive** 

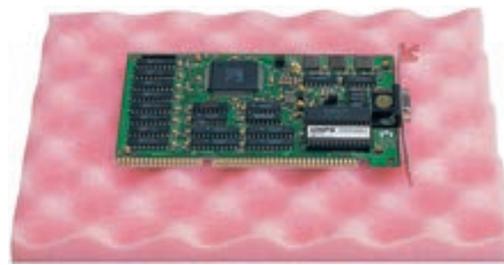
**dpvlink 18885**

Article	L [mm]	W [mm]	Thickness [mm]	Version
4460.hart	353	253	6	hard, smooth
4461.hart	553	353	6	hard, smooth
4464.hart	350	253	10	hard, smooth
4465.hart	553	353	10	hard, smooth
4466.hart	353	253	15	hard, smooth
4467.hart	553	353	15	hard, smooth
4460.hart.Z	Cutting			hard, smooth



further thicknesses, cuttings and manufactures available on request

**PU Foam for shipping boxes** 



**EPA**pack

PU foam, electrostatically dissipative, open-cell, soft design.  
Color: pink

**Suitable as:**

- insert for shipping boxes

In compliance with ESD standard DIN EN 61340-5-1 

Available with napped foam profile 1:1 or smooth foam.

**dpvlink 641**

Article	L [mm]	W [mm]	Thickness [mm]	Version
4920.1.10	100	55	10	napped profile 1:1
4903.0.15	178	127	15	smooth
4903.1.15	178	127	15	napped profile 1:1
4903.1.20	178	127	20	napped profile 1:1
4903.0.20	178	127	20	smooth
4921.1.20	190	135	20	napped profile 1:1
4904.1.20	250	191	20	napped profile 1:1
4904.0.15	250	191	15	smooth
4904.0.20	250	191	20	smooth
4906.0.20	267	216	20	smooth
4906.1.30	267	216	30	napped profile 1:1
4922.1.20	300	300	20	napped profile 1:1
4914.1.20	330	180	20	napped profile 1:1
4923.1.20	380	280	20	napped profile 1:1
4915.1.20	380	320	20	napped profile 1:1
4916.1.20	393	300	20	napped profile 1:1
4911.0.20	400	300	20	smooth
4911.1.30	400	300	30	napped profile 1:1
4910.0.15	420	220	15	smooth
4910.1.20	420	220	20	napped profile 1:1
4918.1.20	490	460	20	napped profile 1:1
4935.1.20	550	350	20	napped profile 1:1
4935.1.20.SK	550	350	20	napped profile 1:1, self-adhesive



Special thicknesses/cuttings, stamped parts, plates and rolls available on request

**PU Gridded foam for shipping boxes** 



Gridded foam, dissipative, pre-cut grid 15/15 mm

**dpvlink 15724**

Article	L [mm]	W [mm]	Thickness [mm]
4903.0.20.R15	178	127	20
4904.0.20.R15	250	191	20



Special thicknesses/cuttings, plates available on request

## Accessories

### Velcro loop, dissipative



ESD velcro loop with metal eye, electrostatically dissipative, black. Perfect for bundling IC bars, containers etc.  
Width: 20 mm  
Lengths: 600 / 700 / 900 mm

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 5002

Article	B [mm]	L [mm]
2870.450.20	20	450
2870.400.20	20	400
2870.600.20	20	600
2870.700.20	20	700
2870.900.20	20	900



### ESD Strapping band



Dissipative ESD strapping band made of black polypropylen, on roll, to bundle IC bars and containers, black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 7970

Article	B [mm]	L [m]	Dicke [mm]
2870.896.09-1500	9	1500	0,6
2870.896.12-1500	12	1500	0,6



### Adhesive tape type WESCORP™, transparent



Quality ESD adhesive tape WESCORP™ antistatic, no printing, clear/transparent plastic core with different diameters

dpvlink 15730

Article	W [mm]	Core diameter	Roll length [m]
2820.242290	12	25 mm	33
2820.242291	18	25 mm	33
2820.242292	24	25 mm	33
2820.242293	12	76 mm	66
2820.242294	18	76 mm	66
2820.242295	24	76 mm	66
2820.242296	48	76 mm	66



### ESD Tape dispenser



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 16875

Article	Type
5825.1047	<b>ESD tape dispenser</b> for tapes with max. 25 mm width suitable for core diameter Ø 25 mm and 76 mm
5825.1047-25	<b>ESD tape dispenser</b> for tapes with max. 25 mm width suitable for core diameter Ø 25 mm



## ESD Storage and transport

### ESD Transport pallets

#### Lightweight pallet ESD



ESD lightweight pallets made of electrically conductive plastic (PP, black)

- high load capacity despite low dead weight
- space-saving, stackable into each other

Specifically developed for the safe storage and transport of sensitive electronic components - reliable protection against electrostatic charges

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 15655

Article	Type
8060.LP	<b>Lightweight pallet ESD 800 x 600 mm</b> 800 x 600 x 150 mm, with 6 feet
12080.LP	<b>Lightweight pallet ESD 1200 x 800 mm</b> 1200 x 800 x 150 mm, with 9 feet Weight: 5.5 kg
12080.LP-K	<b>Lightweight pallet ESD 1200 x 800 mm / skids</b> 1200 x 800 x 150 mm, with 3 skids Weight: 7.5 kg



#### Transport pallet ESD



ESD plastic pallet with closed top, PP conductive, suitable for ESD areas, color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 17010

Article	Type
5395.860	<b>Transport pallet ESD type 860</b> 1200 x 800 mm, conductive 3 skids without metal reinforcement, top closed load capacity: 1500 kg (dynamic)
5395.861	<b>Transport pallet ESD type 861</b> 1200 x 800 mm, conductive 3 skids with two steel pipe reinforcements, top closed load capacity: 2500 kg (dynamic)



#### Pallet stacking frame ESD



Pallet stacking frame ESD

- Dimensions 1200 x 800 x 200 mm
- Weight: approx 5,2 kg
- Conductive polystyrene due to carbon
- diagonally foldable
- stackable
- with ESD logo

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 19362

Article	Type
5395.AR	<b>Pallet stacking frame ESD</b> 1200 x 800 x 200 mm



## Loose lid for pallets ESD



**Loose lid for pallets ESD**  
1220 x 820 x 40 mm, suitable for all transport pallets 1200 x 800 mm  
conductive polypropylene  
Color: black

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 17013

Article	Type	L [mm]	W [mm]	H [mm]	Weight
5395.890	Loose lid for pallets ESD	1220	820	40	4.26 kg



## ESD pallet dolly



- 4 corner supports
- TPE tyres Ø 200
- hubs with ball bearing
- 2 swivel and 2 fixed castors
- rolling and swivelling resistance
- tyres non-marking
- in compliance with the standard EN 1757-3



### dpvlink 19101

Article	Type	H [mm]	Load capacity
091.23799.ESD	ESD pallet dolly loading area 810 x 610 mm	329 mm	750 kg
091.23800.ESD	ESD pallet dolly loading area 1010 x 810 mm	329 mm	750 kg
091.23801.ESD	ESD pallet dolly loading area 1210 x 810 mm	329 mm	750 kg
091.23802.ESD	ESD pallet dolly loading area 1210 x 1010 mm	329 mm	750 kg



## ESD Gusseted bags / covers



Dissipative gusseted bags / covers

- pink
- amine-free
- recyclable
- RoHs compliant



In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 13869

Article	W [mm]	L [mm]	H [mm]	PU	Thickness [mm]
3110.629.25	400	600	700	25 piece	0.05
3110.629.250	400	600	700	250 piece	0.05
3110.630.500	340	440	500	500 piece	0.05
3110.635.0900	850	1250	900	40 piece	0.15
3110.635.1850	850	1250	1850	40 piece	0.15



## ESD Big Boxes

### ESD Big Box

**Foldable ESD Big Box** has 4 flaps. The flaps ensure an immediate and easy access to the content of the Big Box. The dimensions are adapted to the conventional **pallet dimensions**.

- foldable in a space-saving way
- pallet dimensions
- different sizes
- with 4 feet, 3 skids or 4 castors
- material polypropylene

Typical volume resistance  $10^9$ - $10^{10}$  Ohm



In compliance with the ESD standard DIN EN 61340-5-1 

### dpvlink 25300

Article	Type	L [mm]	W [mm]	H [mm]	Weight
KLK.1208	ESD Big Box foldable with feet	1200	800	1000	51.62 kg
KLK.1210	ESD Big Box foldable with feet	1200	1000	1000	58.23 kg
KLK.1208K	ESD Big Box foldable with skids	1200	800	1000	57.63 kg
KLK.1210K	ESD Big Box foldable with skids	1200	1000	1000	64.24 kg
KLK.1208R	ESD Big Box foldable with wheels	1200	800	1100	54.74 kg
KLK.1210R	ESD Big Box foldable with wheels	1200	1000	1100	61.35 kg



### Lid for ESD Big Box

#### dpvlink 25318

Article	Type
KLK.1208.D	Lid for ESD Big Box 1200 x 800 mm
KLK.1210.D	Lid for ESD Big Box 1200 x 1000 mm



ESD Folding boxes

Folding box ESD



Folding boxes ESD

- stackable
- safe and easy folding
- high volume reduction (up to 82%)
- simple and sturdy folding mechanism
- light and at the same time very sturdy
- material: polypropylene
- color: black

Typical volume resistance 10<sup>3</sup>-10<sup>10</sup> Ohm

In compliance with ESD standard DIN EN 61340-5-1

**dpvlink 17015**



Article	Type
5301.FB-4030220	<b>ESD folding box, 211</b> External dimensions: 400 x 300 x 220 mm Internal dimensions: 365 x 265 x 210 mm Height flat approx. 77 mm / stacking height 72 mm
5301.FB-4030270	<b>ESD folding box, 261</b> External dimensions: 400 x 300 x 270 mm Internal dimensions: 365 x 265 x 260 mm Height flat approx. 100 mm / stacking height 95 mm
5301.FB-4030320	<b>ESD folding box, 311</b> External dimensions: 400 x 300 x 320 mm Internal dimensions: 365 x 265 x 310 mm Height flat approx. 100 mm / stacking height 95 mm
5301.FB-6040220	<b>ESD folding box, 461</b> External dimensions: 600 x 400 x 220 mm Internal dimensions: 567 x 367 x 210 mm Height flat approx. 80 mm / stacking height 72 mm
5301.FB-6040270	<b>ESD folding box, 561</b> External dimensions: 600 x 400 x 270 mm Internal dimensions: 567 x 367 x 260 mm Height flat approx. 80 mm / stacking height 72 mm
5301.FB-6040320	<b>ESD folding box, 671</b> External dimensions: 600 x 400 x 320 mm Internal dimensions: 567 x 367 x 310 mm Height flat approx. 80 mm / stacking height 72 mm
5301.FB-6040420	<b>ESD folding box, 871</b> External dimensions: 600 x 400 x 420 mm Internal dimensions: 567 x 367 x 410 mm Height flat approx. 100 mm / stacking height 92 mm
5301.FB-8060445	<b>ESD folding box, 1881</b> External dimensions: 800 x 600 x 445 mm Internal dimensions: 768 x 570 x 430 mm Height flat approx. 125 mm / stacking height 103 mm

Folding box ESD with lid



Folding boxes ESD with lid

- sealable
- stackable
- safe and easy folding
- high volume reduction (up to 82%)
- simple and sturdy folding mechanism
- light and at the same time very sturdy
- material: polypropylene
- color: black

Typical volume resistance 10<sup>3</sup>-10<sup>10</sup> Ohm

In compliance with ESD standard DIN EN 61340-5-1

Version as folding box ESD - additionally with sealable lid

**dpvlink 17024**



Article	Type
5302.FB-4030220.D	<b>ESD folding box with lid, 191</b> External dimensions: 400 x 300 x 220 mm Internal dimensions: 365 x 265 x 200 mm Height flat approx. 77 mm / stacking height 72 mm
5302.FB-4030270.D	<b>ESD folding box with lid, 241</b> External dimensions: 400 x 300 x 270 mm Internal dimensions: 365 x 265 x 250 mm Height flat approx. 100 mm / stacking height 95 mm
5302.FB-4030320.D	<b>ESD folding box with lid, 291</b> External dimensions: 400 x 300 x 320 mm Internal dimensions: 365 x 265 x 300 mm Height flat approx. 100 mm / stacking height 95 mm
5302.FB-6040220.D	<b>ESD folding box with lid, 421</b> External dimensions: 600 x 400 x 220 mm Internal dimensions: 567 x 367 x 200 mm Height flat approx. 80 mm / stacking height 72 mm
5302.FB-6040270.D	<b>ESD folding box with lid, 521</b> External dimensions: 600 x 400 x 270 mm Internal dimensions: 567 x 367 x 250 mm Height flat approx. 80 mm / stacking height 72 mm
5302.FB-6040320.D	<b>ESD folding box with lid, 621</b> External dimensions: 600 x 400 x 320 mm Internal dimensions: 567 x 367 x 300 mm Height flat approx. 80 mm / stacking height 72 mm
5302.FB-6040420.D	<b>ESD folding box with lid, 831</b> External dimensions: 600 x 400 x 420 mm Internal dimensions: 567 x 367 x 400 mm Height flat approx. 100 mm / stacking height 92 mm
5302.FB-8060445.D	<b>ESD folding box with lid, 1821</b> External dimensions: 800 x 600 x 445 mm Internal dimensions: 768 x 570 x 415 mm Height flat approx. 125 mm / stacking height 103 mm

### Folding box Walther ESD



Folding boxes made of electrostatically volume conductive polypropylene, stackable. Height in folded state: 70 mm. Color: black.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 7116**

Article	Type
5300.43.220	Folding box, 22 l, 400 x 300 x 220 mm
5300.64.220	Folding box, 44 l, 600 x 400 x 220 mm
5300.64.320	Folding box, 65 l, 600 x 400 x 320 mm
5300.64.D	Loose lid ESD for folding boxes 600 x 400 mm



### KLT folding box Light



The foldable ESD R-KLT container Light is a real allrounder: It combines the advantages of the small load carrier series with the space-saving properties of foldable boxes and is at the same time adapted to the special requirements of sensitive electronic components. In addition, the volume of the container can be reduced by up to 70%.

- with sturdy base ribbing
- integrated lid slots
- with adhesive surface for barcode
- safe and quick folding

Material: polypropylene  
Color: black

Typical volume resistance  $10^9$ - $10^{10}$  Ohm

In compliance with the ESD standard DIN EN 61340-5-1 

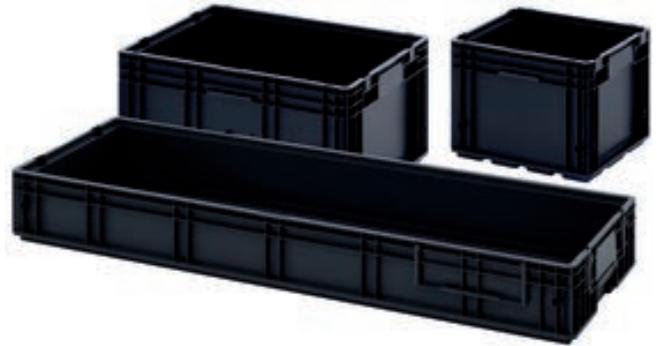
**dpvlink 22272**

Article	Dimensions outside/inside LxBxH [mm]	Volume
<b>KLT folding box Light</b>		
KLT-F.6040280.ESD	600 x 400 x 280 534 x x 257	46 l



### KLT containers Light

#### KLT container Light



The ESD R-KLT containers Light are perfectly adapted to automatic production processes and suitable for the use in different perfect production stages. Sensitive electronic components can be stored and transported without any problem thanks to the electrically conductive plastic.

- with sturdy base ribbing
- integrated lid slots
- with adhesive surface for barcode
- run quietly on conveyors

Material: polypropylene  
Color: black

Typical volume resistance  $10^9$ - $10^{10}$  Ohm

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 22256**

Article	Dimensions outside/inside LxWxH [mm]	Volume	Additional
<b>KLT container Light</b>			
KLT-R.3020150.ESD	300 x 200 x 150 243 x 162 x 129,5	5,3 l	base smooth
KLT-R.4030150.ESD	400 x 300 x 150 346 x 265 x 109,5	10 l	sturdy base ribbing
KLT-R.4030290.ESD	400 x 300 x 280 346 x 265 x 242	22 l	sturdy base ribbing
KLT-R.6040150.ESD	600 x 400 x 150 544 x 364 x 109,5	22 l	sturdy base ribbing
KLT-R.6040290.ESD	600 x 400 x 280 544 x 364 x 242	48 l	sturdy base ribbing
KLT-12040147.ESD	1200 x 400 x 147 1142 x 360 x 144,5	60,3 l	base reinforced



Also available as RL version with drainage holes

#### Lid for KLT container Light



Lid for KLT container Light, polypropylene

Typical volume resistance  $10^9$ - $10^{10}$  Ohm

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 22268**

Article	Type
<b>Lid for KLT container Light</b>	
KLT-D.3020.ESD	Loose lid 300 x 200 mm
KLT-D.4030.ESD	Loose lid 400 x 300 mm
KLT-D.6040.ESD	Loose lid 600 x 400 mm



## ESD Euro containers

WEZ



### WEZ - knowhow and experience

WEZ combines 50 years of experience in the field of plastic injection molding with up-to-date knowhow. Plastic compatible solutions, a cost-effective production and individual services about our products are the target for the product development of the BLACKLINE® range.



### BLACKLINE® - Safety for electronic components

WEZ BLACKLINE® protects sensitive electronic components in the EPA, in the storage and during the transport. The system offers a guarantee for a ESD safe handling as well in the conductive as in the dissipative areas.

## Euro containers Futura



The new generation of containers by WEZ for a manual and mechanical handling. For all applications and application areas. The new design takes into account the requirements of modern logistics and the possibilities of today's plastics technology.



- Hollow corners for maximum stability and torsion resistance
- Flat bottom with chamfers ensuring a smooth transportation
- Openings in the upper margins for the mechanical handling with standard gripping and lifting devices
- ground-level centring and handling ribs
- shell handles
- Integrated label holders for A4 width on all four sides

- electrostatically volume conductive polypropylene
- stackable
- 100% compatible with other components of the WEZ range

In compliance with ESD standard DIN EN 61340-5-1 ⚠

dpvlink 14825

Article	Dimensions outside/inside LxWxH [mm]	Material
<b>Euro containers Futura</b>		
63.4312.060.992	400 x 300 x 120 355 x 255 x 110	polypropylene
63.4317.060.992	400 x 300 x 175 355 x 255 x 165	polypropylene
63.6412.060.992	600 x 400 x 120 555 x 355 x 110	polypropylene
63.6417.060.992	600 x 400 x 175 555 x 355 x 165	polypropylene



## Euro containers standard



WEZ Euro containers made of electrostatically volume conductive polypropylene, stackable.

In compliance with ESD standard DIN EN 61340-5-1 ⚠

### WEZ Euro containers with flat base

WEZ containers with flat base are especially suitable for a smooth transportation on conveyor systems like taxiways, ball tables, etc. Containers with flat base are arbitrarily stackable, but can not be stacked on two containers of the next smaller basic dimensions.



dpvlink 831

Article Dimensions outside/inside DxWxH



<b>Euro containers standard</b>			
2108.007.992	200 x 150 x 100	155 x 106 x 97	
3204.007.992	300 x 200 x 53	260 x 160 x 51	
3208.007.992	300 x 200 x 100	254 x 154 x 96	
3213.007.992	300 x 200 x 145	254 x 154 x 141	
4304.007.992	400 x 300 x 53	354 x 254 x 49	
4308.907.992	400 x 300 x 100	354 x 254 x 96	
4313.907.992	400 x 300 x 145	354 x 254 x 141	
4313.097.992	400 x 300 x 145	354 x 254 x 141	light
4320.007.992	400 x 300 x 212	354 x 254 x 208	
4326.007.992	400 x 300 x 278	354 x 254 x 274	
4332.007.992	400 x 300 x 320	354 x 254 x 315	
6404.007.992	600 x 400 x 56	560 x 360 x 54	
6408.007.992	600 x 400 x 100	554 x 354 x 96	
6413.007.992	600 x 400 x 145	554 x 354 x 141	
6413.097.992	600 x 400 x 145	554 x 354 x 141	light
6420.007.992	600 x 400 x 212	554 x 354 x 208	
6426.007.992	600 x 400 x 278	554 x 354 x 273	
6432.007.992	600 x 400 x 320	554 x 354 x 314	
6440.007.992	600 x 400 x 412	554 x 354 x 407	

## Lids for Euro containers



WEZ Lids for WEZ Euro containers, electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1 ⚠

dpvlink 835

Article Type



<b>Lids for Euro containers</b>	
3200.000.992	Loose lid 300 x 200 mm
4300.000.992	Loose lid 400 x 300 mm
6400.000.992	Loose lid 600 x 400 mm
3200.032.992	Hinged lid 300 x 200, 2 turn-lock fasteners
4300.032.992	Hinged lid 400 x 300 mm, 2 turn-lock fasteners
6400.032.992	Hinged lid 600 x 400 mm, 2 turn-lock fasteners
3200.044.992	Lid 300 x 200 mm, 4 turn-lock fasteners
4300.044.992	Lid 400 x 300 mm, 4 turn-lock fasteners
6400.044.992	Lid 600 x 400 mm, 4 turn-lock fasteners

## Suitcase FUTURA



WEZ suitcase Futura

- volume conductive polypropylene
- stackable
- color black

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 25327**

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>Suitcase FUTURA</b>			
63.4312.360.992	400 x 300 x 130	355 x 255 x 115	polypropylene
63.4317.360.992	400 x 300 x 185	355 x 255 x 170	polypropylene
63.6412.360.992	600 x 400 x 130	555 x 355 x 115	polypropylene
63.6417.360.992	600 x 400 x 185	555 x 355 x 170	polypropylene

## Suitcase standard



WEZ suitcase

- electrostatically volume conductive polypropylene
- stackable
- color black

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 833**

Article	Dimensions outside/inside LxWxH [mm]		
<b>Suitcase standard</b>			
3204.390.992	300 x 200 x 63	260 x 160 x 39	
3208.397.992	300 x 200 x 110	254 x 154 x 95	
3213.397.992	300 x 200 x 154	254 x 154 x 139	
4304.397.992	400 x 300 x 63	354 x 254 x 48	
4308.397.992	400 x 300 x 110	354 x 254 x 95	
4313.397.992	400 x 300 x 154	354 x 254 x 139	
4320.397.992	400 x 300 x 221	354 x 254 x 206	
4326.397.992	400 x 300 x 287	354 x 254 x 272	
4313.387.992	600 x 300 x 154	554 x 254 x 139	light
6408.397.992	600 x 400 x 111	554 x 354 x 95	
6413.397.992	600 x 400 x 155	554 x 354 x 139	
6420.397.992	600 x 400 x 221	554 x 354 x 206	
6426.397.992	600 x 400 x 288	554 x 354 x 272	

## Accessories Euro containers

**dpvlink 862**

Article  
Type



9980.007.000

**U-clip metal clip**

Metal clip as fixed connection element  
(8 pcs for push-on frame 400 x 300 mm  
or 10 pcs for push-on frame 600 x 400 mm are needed)



9980.011.992

**Lid hinge**

(2 pcs per lid are needed)



9980.012.994

**Turn-lock fastener, pair**



9980.128.992

**Suitcase handle 95, loose**

(for mounting 2 handle holders are required)

9980.129.992

**Handle holder for suitcase handle 95**

## Push-on frame



for an increase of the useful height of the container. Attachment with nylatches or U-clips.

In compliance with ESD standard  
DIN EN 61340-5-1 

**dpvlink 859**

Article

Type



**Push-on frame**

4304.700.992 Push-on frame 400 x 300 x 44 mm

6404.700.992 Push-on frame 600 x 400 x 44 mm

## Variobox Black VB MC



WEZ inserts for Euro containers. For a safe storage and safekeeping of small electronic components. The base-spotting bars provide good sliding properties on production chutes and a clean support on smooth surfaces

In compliance with the ESD standard  
DIN EN 61340-5-1 

**dpvlink 26397**

Article

L [mm]

W [mm]

H [mm]



**Variobox Black VB MC**

0609.055.392 Variobox 1/16 size 64 89 55

1608.070.992 Variobox 1/3 size 160 87 70

1711.055.992 Variobox 1/10 size 179 112 55

2612.070.992 Variobox 1/3 size 260 120 70

2708.110.392 Variobox 1/8 size 274 87 110

1309.055.392 Variobox 1/8 size 128 89 55

1318.055.392 Variobox 1/4 size 128 178 55

1308.110.392 Variobox 1/16 size 137 87 110

1713.110.392 Variobox 1/8 size 174 137 110

3527.110.392 Variobox 1/2 size 350 274 110

5508.110.392 Variobox 1/4 size, lengthwise 550 87 110

5517.110.392 Variobox 1/2 size, lengthwise 550 174 110

## RAKO



### ESD Storage and transport system for the protection against electrostatic discharge

Electronic components can be destroyed by electrostatic discharges. In order to protect those components against such damages, electronic mounting parts are often transported or stored in containers or on pallets made of electrically conductive plastic.

The ESD storage and transport system by UTZ prevents a potential electrostatic discharge. Furthermore the robust plastic containers protect the content against mechanical damage, contamination or moisture.

### Euro containers RAKO



RAKO Euro containers made of electrostatically volume conductive polypropylene, stackable.

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 797



Article	Dimensions outside/inside LxWxH [mm]		Material
<b>Euro containers RAKO</b>			
051302	200 x 150 x 120	162 x 112 x 114	polypropylene
051312	300 x 200 x 120	258 x 160 x 115	polypropylene
051322	300 x 200 x 220	260 x 160 x 217	polypropylene
051406	400 x 300 x 65	358 x 258 x 62	polypropylene
051412	400 x 300 x 120	358 x 258 x 114	polypropylene
051417	400 x 300 x 170	358 x 258 x 165	polypropylene
051422	400 x 300 x 220	358 x 258 x 217	polypropylene
051427	400 x 300 x 270	353 x 253 x 267	polypropylene
051432	400 x 300 x 325	358 x 258 x 320	polypropylene
051607	600 x 400 x 75	552 x 350 x 70	polypropylene
051612	600 x 400 x 120	553 x 353 x 114	polypropylene
051617	600 x 400 x 170	558 x 358 x 165	polypropylene
051622	600 x 400 x 220	559 x 359 x 216	polypropylene
051627	600 x 400 x 280	556 x 356 x 275	polypropylene
051632	600 x 400 x 325	558 x 358 x 320	polypropylene
051642	600 x 400 x 425	560 x 360 x 422	polypropylene

### RAKO Euro containers, reinforced



RAKO Euro containers reinforced with ribbed bottom made of electrostatically volume conductive polypropylene, stackable.

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 799



Article	Dimensions outside/inside LxWxH [mm]		Material
<b>RAKO Euro containers, reinforced</b>			
051414	400 x 300 x 145	364 x 264 x 130	polypropylene
051613	600 x 400 x 145	563 x 363 x 130	polypropylene

## RAKO Suitcases



RAKO Suitcases are made of electrostatically volume conductive polypropylene, stackable, black.

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 801



Article	Dimensions outside/inside LxWxH [mm]		Material
<b>RAKO Suitcases</b>			
051312.K	300 x 200 x 130	258 x 158 x 117	polypropylene
051322.K	300 x 200 x 230	258 x 158 x 217	polypropylene
051406.K	400 x 300 x 80	358 x 258 x 62	polypropylene
051412.K	400 x 300 x 130	358 x 258 x 117	polypropylene
051417.K	400 x 300 x 185	358 x 258 x 165	polypropylene
051432.K	400 x 300 x 340	358 x 258 x 317	polypropylene
051607.K	600 x 400 x 90	552 x 352 x 72	polypropylene
051612.K	600 x 400 x 132	558 x 358 x 116	polypropylene
051617.K	600 x 400 x 185	558 x 358 x 166	polypropylene
051622.K	600 x 400 x 235	557 x 357 x 216	polypropylene
051632.K	600 x 600 x 340	558 x 358 x 320	polypropylene
051642.K	600 x 400 x 440	555 x 355 x 422	polypropylene

### RAKO Lids for Euro containers



RAKO lid for RAKO Euro containers, electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 815



Article	Type
<b>RAKO Lids for Euro containers</b>	
051721	Loose lid 200 x 150 mm
051732	Loose lid 300 x 200 mm
051743	Loose lid 400 x 300 mm
051764	Loose lid 600 x 400 mm
051821	Hinged lid 200 x 150 mm
051832	Hinged lid 300 x 200 mm
051843	Hinged lid 400 x 300 mm
051864	Hinged lid 600 x 400 mm
051878	Lid with hooks 400 x 300 mm
051879	Lid with hooks 600 x 400 mm

### Closures RAKO



Accessories for RAKO Euro containers, snap lock and slide closure.

051870      051871

dpvlink 828



Article	Type
051870	RAKO snap lock
051871	RAKO slide closure



## Containers for trays



RAKO containers for trays with basic dimensions 600 x 400 mm, electrostatically volume conductive, black

In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 11089

Article Type

051200 **Containers for trays 600 x 400 x 220 mm**  
- 5 trays 22 mm height or  
- 2 trays 22 mm height + 1 tray height 80 mm or  
- 1 trays 22 mm height + 1 tray height 105 mm

051201 **Containers for trays 600 x 400 x 425 mm**  
- 12 trays with 22 mm height or  
- 4 trays with 80 mm height or  
- 3 trays with 105 mm height

051205-3 **Tray, inside 509 x 308 x 22 mm**



## Insert for Euro containers RAKO 400x300 mm



RAKO inserts for Euro containers with basic dimensions 400 x 300 mm, electrostatically volume conductive, black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 989

Article Bezeichnung L [mm] B [mm] H [mm]

### Insert for Euro containers RAKO 400x300 mm

051950 Container 1/8 size 130 86 50

051952 Container 1/4 size 174 128 50

051952.2 Lid for 1/4 size

051953 Container 1/3 size 262 119 97



## Insert for Euro containers RAKO 600x400 mm



RAKO insert for Euro containers with basic dimensions 600 x 400 mm, electrostatically volume conductive, black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 871

Article Bezeichnung L [mm] B [mm] H [mm]

### Insert for Euro containers RAKO 600x400 mm

051954.3 Container 1/16 size 139 89 99

051955.3 Container 1/8 size 177 139 99

051956.3 Container 1/4 size 277 177 99

051957 Container 1/4 size, longitudinal 555 89 99

051958.3 Container 1/2 size, transverse 355 277 99

051959 Container 1/2 size, longitudinal 555 177 99



## Light

### Euro containers Light



Cost-effective ESD containers Light made of plastic.

Specifically developed for the safe storage and transport of sensitive electronic components - reliable prevention of electrostatic charging and dissipation of existing charge.

Version: closed handles, base and sides  
Material: polypropylene  
Color: black

Typical volume resistance  $10^9$ - $10^{10}$  Ohm

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 15634

Article Dimensions outside/inside LxWxH [mm] Material

### Euro containers Light

3020120.L 300 x 200 x 120 260 x 160 x 105 polypropylene

3020170.L 300 x 200 x 170 260 x 160 x 155 polypropylene

4030075.L 400 x 300 x 75 360 x 260 x 60 polypropylene

4030120.L 400 x 300 x 120 360 x 260 x 95 polypropylene

4030170.L 400 x 300 x 170 360 x 260 x 145 polypropylene

4030220.L 400 x 300 x 220 360 x 260 x 195 polypropylene

4030270.L 400 x 300 x 270 360 x 260 x 245 polypropylene

4030320.L 400 x 300 x 320 360 x 260 x 295 polypropylene

6040075.L 600 x 400 x 75 560 x 360 x 60 polypropylene

6040120.L 600 x 400 x 120 560 x 360 x 105 polypropylene

6040170.L 600 x 400 x 170 560 x 360 x 155 polypropylene

6040220.L 600 x 400 x 220 560 x 360 x 205 polypropylene

6040270.L 600 x 400 x 270 560 x 360 x 255 polypropylene

6040320.L 600 x 400 x 320 560 x 360 x 305 polypropylene

6040420.L 600 x 400 x 420 560 x 360 x 405 polypropylene

8060120.L 800 x 600 x 120 755 x 555 x 100 polypropylene

8060220.L 800 x 600 x 220 755 x 555 x 200 polypropylene

8060320.L 800 x 600 x 320 755 x 555 x 300 polypropylene

8060420.L 800 x 600 x 420 755 x 555 x 400 polypropylene



### Lid for Euro containers Light



Lid for Euro containers Light  
Typical volume resistance  $10^3$ - $10^{10}$  Ohm

In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 15651

Article Type

### Lid for Euro containers Light

3020999.L-Deckel Loose lid 300 x 200 mm

4030999.L-Deckel Loose lid 400 x 300 mm

6040999.L-Deckel Loose lid 600 x 400 mm

8060999.L-Deckel Loose lid 800 x 600 mm



**Euro container Light with hinged lid**



The ESD Euro container with hinged lid offers the content additional protection. The lid as well as the hinges are made of the same antistatic material as the container. Electrostatic charges are prevented and already existing charges are reliably dissipated.

- stackable
- stable hinges
- material: polypropylene
- color: balck

Typical volume resistance  $10^3$ - $10^{10}$  Ohm

In compliance with ESD standard DIN EN 61340-5-1

**dpvlink 22805**

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>Euro container Light with hinged lid</b>			
2015120.L-ED	200 x 150 x 135	170 x 120 x 97	polypropylene
3020120.L-ED	300 x 200 x 135	270 x 170 x 97	polypropylene
3020170.L-ED	300 x 200 x 185	270 x 170 x 165	polypropylene
4030075.L-ED	400 x 300 x 90	370 x 270 x 52	polypropylene
4030120.L-ED	400 x 300 x 135	370 x 270 x 107	polypropylene
4030170.L-ED	400 x 300 x 185	370 x 270 x 147	polypropylene
4030220.L-ED	400 x 300 x 235	370 x 270 x 197	polypropylene
4030270.L-ED	400 x 300 x 285	370 x 270 x 247	polypropylene
4030320.L-ED	400 x 300 x 335	370 x 270 x 297	polypropylene
6040075.L-ED	600 x 400 x 90	570 x 370 x 63	polypropylene
6040120.L-ED	600 x 400 x 135	570 x 370 x 107	polypropylene
6040170.L-ED	600 x 400 x 185	570 x 370 x 157	polypropylene
6040220.L-ED	600 x 400 x 235	570 x 370 x 207	polypropylene
6040270.L-ED	600 x 400 x 285	570 x 370 x 257	polypropylene
6040320.L-ED	600 x 400 x 335	570 x 370 x 307	polypropylene
6040420.L-ED	600 x 400 x 435	570 x 370 x 407	polypropylene
8060120.L-ED	800 x 600 x 140	770 x 570 x 97	polypropylene
8060220.L-ED	800 x 600 x 240	770 x 570 x 197	polypropylene
8060320.L-ED	800 x 600 x 335	770 x 570 x 297	polypropylene
8060420.L-ED	800 x 600 x 435	770 x 570 x 397	polypropylene



**Insert for Euro containers 600 x 400 mm**



- for Euro containers with basic dimensions 600 x 400 mm
- gripping edge for an easy insertion and removal
- safely stackable due to reinforced edge
- material: polypropylene

Typical volume resistance  $10^3$ - $10^{10}$  Ohm

In compliance with ESD standard DIN EN 61340-5-1

**dpvlink 17035**

Article		L [mm]	W [mm]	H [mm]
<b>Insert for Euro containers 600 x 400 mm</b>				
6040.EK205	Insert box 205	563	183	50
6040.EK210	Insert box 210	563	183	100
6040.EK215	Insert box 215	563	183	150
6040.EK405	Insert box 405	282	183	50
6040.EK410	Insert box 410	282	183	100
6040.EK415	Insert box 415	282	183	150
6040.EK805	Insert box 805	183	141	50
6040.EK810	Insert box 810	183	141	100
6040.EK815	Insert box 815	183	141	50



**Insert for Euro containers 400 x 300 mm**



- for Euro containers with basic dimensions 400 x 300 mm
- gripping edge for an easy insertion and removal
- safely stackable due to reinforced edge
- material: polypropylene

Typical volume resistance  $10^3$ - $10^{10}$  Ohm

In compliance with ESD standard DIN EN 61340-5-1

**dpvlink 17034**

Article		L [mm]	W [mm]	H [mm]
<b>Insert for Euro containers 400 x 300 mm</b>				
4030.EK205	Insert box 205	266	184	50
4030.EK210	Insert box 210	266	184	100
4030.EK215	Insert box 215	266	184	150



## NEWBOX

### NEWBOX Euro containers conductive



NEWBOX Euro containers made of electrostatically volume conductive polypropylene, stackable.

In compliance with ESD standard DIN EN 61340-5-1 

#### dpvlink 795

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>NEWBOX Euro containers conductive</b>			
5310.05	300 x 200 x 120	260 x 160 x 117	polypropylene
5310.10	400 x 300 x 120	360 x 258 x 118	polypropylene
5310.14	400 x 300 x 170	358 x 258 x 168	polypropylene
5310.20	400 x 300 x 220	358 x 258 x 217	polypropylene
5310.25	400 x 300 x 270	358 x 256 x 267	polypropylene
5310.31	400 x 300 x 320	358 x 256 x 316	polypropylene
5310.15	600 x 400 x 75	555 x 355 x 72	polypropylene
5310.24	600 x 400 x 120	555 x 358 x 115	polypropylene
5310.33	600 x 400 x 150	555 x 353 x 145	polypropylene
5310.34	600 x 400 x 170	555 x 355 x 165	polypropylene
5310.42	600 x 400 x 220	555 x 358 x 217	polypropylene
5310.50	600 x 400 x 236	555 x 357 x 231	polypropylene
5310.55	600 x 400 x 280	553 x 355 x 277	polypropylene
5310.70	600 x 400 x 343	557 x 358 x 332	polypropylene
5310.80	600 x 400 x 423	555 x 355 x 420	polypropylene
5310.S.130	800 x 600 x 320	756 x 556 x 297	polypropylene

### NEWBOX Lid



Lid for NEWBOX Euro containers, electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1 

#### dpvlink 803

Article	Type
<b>NEWBOX Lid</b>	
5310.32.A	Loose lid 300 x 200 mm
5310.43.A	Loose lid 400 x 300 mm
5310.64.A	Loose lid 600 x 400 mm
5310.43	Loose lid with hook 400 x 300 mm
5310.64	Loose lid with hook 600 x 400 mm

### NEWBOX hinged lid



Lid for NEWBOX Euro containers, electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1 

#### dpvlink 19734

Article	Type
<b>NEWBOX hinged lid</b>	
5310.32.S	Hinged lid 300 x 200 mm
5310.43.S	Hinged lid 400 x 300 mm

### NEWBOX Euro containers IDP



- permanently electrostatically dissipative polypropylene IDP (inherently dissipative polymer)
- stackable
- independent of humidity
- labeling: ESD warning symbol, recycling symbol and lot number

In compliance with ESD standard DIN EN 61340-5-1 

#### dpvlink 7048

Article	Dimensions outside/inside LxWxH [mm]		Color
<b>NEWBOX Euro containers IDP</b>			
5311.05.gelb	300 x 200 x 120	270 x 170 x 117	yellow
5311.05.rot	300 x 200 x 120	270 x 170 x 117	red
5311.10.gelb	400 x 300 x 120	355 x 255 x 115	yellow
5311.10.rot	400 x 300 x 120	355 x 255 x 115	red
5311.14.gelb	400 x 300 x 170	355 x 255 x 165	yellow
5311.14.rot	400 x 300 x 170	355 x 255 x 165	red
5311.20.gelb	400 x 300 x 220	355 x 255 x 215	yellow
5311.20.rot	400 x 300 x 220	355 x 255 x 215	red
5311.31.gelb	400 x 300 x 320	355 x 255 x 317	yellow
5311.31.rot	400 x 300 x 320	355 x 255 x 317	red
5311.24.gelb	600 x 400 x 120	555 x 355 x 115	yellow
5311.24.rot	600 x 400 x 120	555 x 355 x 115	red
5311.34.gelb	600 x 400 x 170	555 x 355 x 165	yellow
5311.34.rot	600 x 400 x 170	555 x 355 x 165	red
5311.42.gelb	600 x 400 x 220	555 x 355 x 215	yellow
5311.42.rot	600 x 400 x 220	555 x 355 x 215	red

### NEWBOX IDP Lid



Lid for NEWBOX Euro containers IDP electrostatically dissipative

In compliance with ESD standard DIN EN 61340-5-1 

#### dpvlink 8464

Article	Type	L [mm]	W [mm]	Color
<b>NEWBOX IDP Lid</b>				
5311.32.S.gelb	Hinged lid	300	200	yellow
5311.32.S.rot	Hinged lid	300	200	red
5311.43.gelb	Lid with hook	400	300	yellow
5311.43.rot	Lid with hook	400	300	red
5311.64.gelb	Lid with hook	600	400	yellow
5311.64.rot	Lid with hook	600	400	red

### NEWBOX Closures



Accessories for NEWBOX Euro containers, snap lock and slide closure, electrostatically volume conductive

#### dpvlink 808

Article	Type
5310.99.1	NEWBOX snap lock/white
5310.99.3	NEWBOX slide closure/black (conductive)

Accessories for ESD containers

Labelling for containers

Labelling for containers

For all Euro container types:

dpvlink 812	Article Type	
	9980.005.000 <b>Label clamp for the attachment</b> to container ribs, width 20 mm, galvanized metal	
	051886 <b>Label clamp for attaching</b> on container ribs, width 30 mm, galvanized metal	
	051887 <b>Label holder, transparent</b> 102 x 65 mm / 90 x 52 mm outside / inside self-adhesive	
	051887-1 <b>Label holder, transparent</b> 184 x 98 mm or 155 x 85 mm outside / inside self-adhesive	
	5221.IDP.700 <b>ESD Label holder IDP-STAT® PVC</b> DIN A 5; 158 x 210 x 0,7mm; back width 22 mm;  for mounting on transport containers;  PU= 5 pieces	
	5221.4.IDP.250 <b>ESD label holder IDP-STAT, transparent, readable barcode</b> 118 x 80 x 0.25 mm (LxWxH), self-adhesive front and back IDP-STAT film	
	5221.5.IDP.250.N <b>ESD Label pocket IDP-STAT, self-adhesive</b> 118 x 74 x 0.25 mm (LxWxH), self-adhesive, front IDP-STAT film, back insulating film	
	9980.039.000 <b>Label holder, transparent</b> 156 x 115 mm, self-adhesive	

dpvlink 812	Article Type	
	9980.050.000 <b>Label holder, transparent</b> 115 x 83 mm, self-adhesive	
	3015.203.075.IDP <b>ESD KANBAN Protective pocket IDP-STAT, transparent</b> Protective pocket 203x75 mm, 1 side open  PU = 25 pieces	
	9980.xxxx <b>Printing / hot stamping</b> Printing / hot stamping on Euro container and lid	

## Parting inserts and partitions / interlayers

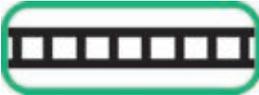


In our product range you will find a wide selection of interlayers and parting inserts (partitions) for the use in transport containers. The combination is ideal for transporting different components susceptible to ESD. Available in 3 different materials for various requirements



### PP cavity material:

- made of extruded polypropylene (PP) 
- high abrasion resistance
- low weight



### PS solid material:

- made of polystyrene (PS) 
- high abrasion resistance
- high stability



### PE foam:

- made of polyethylene foam (PE) 
- abrasion-resistant and corrosion-free
- very low weight



Our **standard dimensions** are based on the **most commonly used Euro transport containers**.

If you don't find what you are looking for among our standard dimensions, please don't hesitate to ask us for **customer-specific dimensions**.



Individual solutions - configure online

Configurator for parting inserts

## Material: Polypropylene (PP)



For the use in transport containers to transport or store electronic components in an organized manner and in layers

Fix your products and **protect them against damage during transportation**. The interlayers of **lightweight polypropylene** with cavities provide additional stability for your containers equipped with partitions.



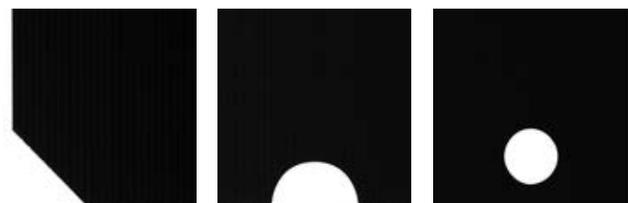
### Technical data for standard versions

Lateral length container:	- 300 / 400 / 600 / 800 mm
Thicknesses:	- 3.0 mm (weight 600g/m <sup>2</sup> ) - 3.5 mm extra sturdy (weight 800g/m <sup>2</sup> )

- available in different dimensions with different cut-outs
- electrostatically volume conductive
- In compliance with ESD standard DIN EN 61340-5-1 

Handhold cut-outs for easier removal from Euro containers available in 3 versions:

- Standard: 2 corners sloped
- Type A: 2 handhold cut-outs semicircular 34 X 17 mm
- Type C: 2 grip holes round 30 mm



Interlayers PP

PP Interlayers for transport containers 3.0 mm



Cavity material, extruded polypropylene (PP), high abrasion resistance, thickness 3.0 mm, weight 600 g/m<sup>2</sup>



dpvlink 15146



Article	Dimensions LxW [mm]	Thickness [mm]	Type
<b>for Euro containers 400 x 300 mm</b>			
050.230	353 x 253	3.0	Standard type D
050.231.A-30	353 x 253	3.0	Type A
050.233.C-30	353 x 253	3.0	Type C
050.230.PE.3	353 x 253	6.0	Standard type D + PE
<b>for KLT container 400 x 300 mm</b>			
050.230.KLT	340 x 260	3.0	Standard type D
<b>for Euro containers 600 x 400 mm</b>			
050.235	553 x 353	3.0	Standard type D
050.236.A-30	553 x 353	3.0	Type A
050.238.C-30	553 x 353	3.0	Type C
050.235.PE.3	550 x 350	6.0	Standard type D + PE
050.235.PE.6	550 x 350	9.0	Standard type D + PE
<b>for KLT containers 600 x 400 mm</b>			
050.235.KLT	540 x 360	3.0	Standard type D
<b>for Euro containers 800 x 600 mm</b>			
050.215.D-30	753 x 553	3.0	Standard type D
050.215.A-30	753 x 553	3.0	Type A
<b>Cuttings / customer-specific manufacture</b>			
050.201.PP30.Z	- x -	3.0	

Cuttings, customer-specific manufacture available on request

PP Interlayers for transport containers thickness 3.5 mm



Cavity material, extruded polypropylene (PP), high abrasion resistance, thickness 3.5 mm, weight 800 g/m<sup>2</sup> (extra stable)



dpvlink 705



Article	Dimensions LxW [mm]	Thickness [mm]	Type
<b>for Euro containers 400 x 300 mm</b>			
050.230.D-35	353 x 253	3.5	Standard type D
050.231.A-35	353 x 253	3.0	Type A
050.233.C-35	353 x 253	3.5	Type C
<b>for Euro containers 600 x 400 mm</b>			
050.235.D-35	553 x 353	3.5	Standard type D
050.236.A-35	553 x 353	3.5	Type A
050.238.C-35	553 x 353	3.5	Type C
<b>for Euro containers 800 x 600 mm</b>			
050.215.D-35	753 x 553	3.5	Standard type D
050.215.A-35	753 x 553	3.5	Type A
<b>Cuttings / customer-specific manufacture</b>			
050.201.PP35.Z	- x -	3.5	

Cuttings, customer-specific manufacture available on request



Individual solutions - configure online  
Configurator for interlayers

dpvlink KonZ

Partitions / parting inserts PP



In order to satisfy the constantly increasing requirements in electronics manufacturing you must **protect your components against electrostatic discharge**. The **ESD-safe parting inserts** for Euro containers complete your workstation.

Parting inserts facilitate the removal of components to be processed from containers. Cut-outs can be adapted **to your requirements**. You will find **hereinafter our standard parting inserts** for the most common applications.

Technical data for standard versions

- Lateral length container:
  - 300 / 400 / 600 mm outside
  - 253 / 353 / 553 mm inside
- Partition heights:
  - 80 / 120 / 180 mm
- Thicknesses:
  - 3.0 mm (weight 600g/m<sup>2</sup>)
  - 3.5 mm extra sturdy (weight 800g/m<sup>2</sup>)

- available with different raster widths/numbers of subdivisions
- electrostatically volume conductive
- In compliance with ESD standard DIN EN 61340-5-1 ⚡

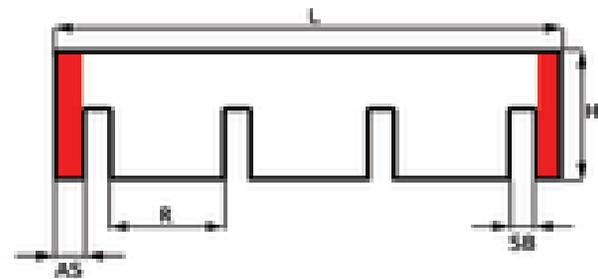


customizable

Upon request - Standard partitions

- **specific heights between 30 - 600 mm**
- **handhold cut-outs**

Also for KLT containers



- H = Partition height (80, 120 or 180 mm)
- L = Partition length (253, 353 or 553 mm)
- G = Grid spacing
- AS = External support (if existing)
- SW = Slot width

In case of high Euro containers **we recommend parting inserts and additionally interlayers** that can be manufactured with cut-outs allowing a **quick and easy removal of the components**.



## Standard PP partitions, height 80 mm



PP partitions 253 x 80 x 3 mm, for Euro containers 400 x 300 mm



dpvlink 14878

Article	Compartments	Grid spacing [mm]	Slots	AS
050.239.080.20	11	20	10	no
050.239.080.10.AS	17	10	18	yes
050.239.080.20.A	10	20	11	yes
050.239.080.28	8	28	7	no
050.239.080.39	6	39	5	no
050.239.080.47	5	47	4	no
050.239.080.60	4	60	3	no
050.239.080.72	3	72	4	yes
050.239.080.110	2	110	3	yes
050.239.080.215	1	215	2	yes



## Standard PP partitions, height 80 mm



PP partitions 353 x 80 x 3 mm, for Euro containers 600 x 400 mm / 400 x 300 mm



dpvlink 14868

Article	Compartments	Grid spacing [mm]	Slots	AS
050.240.080.20	15	20	14	no
050.240.080.20.A	14	20	15	yes
050.240.080.32	10	32	9	no
050.240.080.41	8	41	7	no
050.240.080.55	6	55	5	no
050.240.080.67	5	67	4	no
050.240.080.78	4	78	5	yes
050.240.080.105	3	105	4	yes
050.240.080.159	2	159	3	yes
050.240.080.317	1	317	2	yes



## Standard PP partitions, height 80 mm



PP partitions 553 x 80 x 3 mm, for Euro containers 600 x 400 mm



dpvlink 14855

Article	Compartments	Grid spacing [mm]	Slots	AS
050.241.080.10.AS	40	10	41	yes
050.241.080.20	24	20	23	no
050.241.080.20.AS	23	20	24	yes
050.241.080.23.A	20	23	21	yes
050.241.080.34	15	34	14	no
050.241.080.43	12	43	11	no
050.241.080.52	10	52	9	no
050.241.080.66	8	66	7	no
050.241.080.76	7	76	6	no
050.241.080.84	6	84	7	yes
050.241.080.101	5	101	6	yes
050.241.080.127	4	127	5	yes
050.241.080.170	3	170	4	yes
050.241.080.257	2	257	3	yes



Other heights from 30-600 mm with cut-outs customizable

## Standard PP partitions height 120 mm



PP partitions 253 x 120 x 3 mm, for Euro containers 400 x 300 mm



dpvlink 4070

Article	Compartments	Grid spacing [mm]	Slots	AS
050.239.120.10.AS	17	10	18	yes
050.239.120.20	11	20	10	no
050.239.120.20.A	10	20	11	yes
050.239.120.28	8	28	7	no
050.239.120.39	6	39	5	no
050.239.120.47	5	47	4	no
050.239.120.60	4	60	3	no
050.239.120.72	3	72	4	yes
050.239.120.110	2	110	3	yes
050.239.120.215	1	215	2	yes



## Standard PP partitions, height 120 mm



PP partition 353 x 120 x 3 mm, for containers 600 x 400 mm / 400 x 300 mm



dpvlink 4026

Article	Compartments	Grid spacing [mm]	Slots	AS
050.240.120.10.AS	25	10	26	yes
050.240.120.20	15	20	14	no
050.240.120.20.A	14	20	15	yes
050.240.120.32	10	32	9	no
050.240.120.41	8	41	7	no
050.240.120.55	6	55	5	no
050.240.120.67	5	67	4	no
050.240.120.78	4	78	5	yes
050.240.120.105	3	105	4	yes
050.240.120.159	2	159	3	yes
050.240.120.317	1	317	2	yes



## Standard PP partitions, height 120 mm



PP partitions, 553 x 120 x 3 mm, for Euro containers 600 x 400 mm



dpvlink 4036

Article	Compartments	Grid spacing [mm]	Slots	AS
050.241.120.10.AS	40	10	41	yes
050.241.120.14.AS	30	14	31	yes
050.241.120.20	24	20	23	no
050.241.120.20.AS	40	20	41	yes
050.241.120.23.A	20	23	21	yes
050.241.120.34	15	34	14	no
050.241.120.43	12	43	11	no
050.241.120.52	10	52	9	no
050.241.120.66	8	66	7	no
050.241.120.76	7	76	6	no
050.241.120.84	6	84	7	yes
050.241.120.101	5	101	6	yes
050.241.120.127	4	127	5	yes
050.241.120.170	3	170	4	yes
050.241.120.257	2	257	3	yes



Other heights from 30-600 mm with cut-outs customizable

Standard PP partition, height 180 mm



PP partition 253 x 180 x 3 mm, for Euro containers 400 x 300 mm



dpvlink 4081



Article	Compartments	Grid spacing [mm]	Slots	AS
050.239.180.10.AS	17	10	18	yes
050.239.180.20	11	20	10	no
050.239.180.20.A	10	20	11	yes
050.239.180.28	8	28	7	no
050.239.180.39	6	39	5	no
050.239.180.47	5	47	4	no
050.239.180.60	4	60	3	no
050.239.180.72	3	72	4	yes
050.239.180.110	2	110	3	yes
050.239.180.215	1	215	2	yes

Standard PP partitions, height 180 mm



PP partitions 353 x 180 x 3 mm, for Euro containers 600 x 400 mm / 400 x 300 mm



dpvlink 4048



Article	Compartments	Grid spacing [mm]	Slots	AS
050.240.180.10.AS	25	10	26	yes
050.240.180.20	15	20	14	no
050.240.180.20.A	14	20	15	yes
050.240.180.32	10	32	9	no
050.240.180.41	8	41	7	no
050.240.180.55	6	55	5	no
050.240.180.67	5	67	4	no
050.240.180.78	4	78	5	yes
050.240.180.105	3	105	4	yes
050.240.180.159	2	159	3	yes
050.240.180.317	1	317	2	yes

Standard PP partitions, height 180 mm



PP partitions 553 x 180 x 3 mm, for Euro containers 600 x 400 mm



dpvlink 4058



Article	Compartments	Grid spacing [mm]	Slots	AS
050.241.180.10.AS	30	10	31	yes
050.241.180.14.AS	30	14	31	yes
050.241.180.20	24	20	23	no
050.241.180.23.A	20	23	21	yes
050.241.180.34	15	34	14	no
050.241.180.43	12	43	11	no
050.241.180.52	10	52	9	no
050.241.180.66	8	66	7	no
050.241.180.76	7	76	6	no
050.241.180.84	6	84	7	yes
050.241.180.101	5	101	6	yes
050.241.180.127	4	127	5	yes
050.241.180.170	3	170	4	yes
050.241.180.257	2	257	3	yes

PP inserts customer-specific



For the use in transport containers to transport or store electronic components in an organized manner and in layers

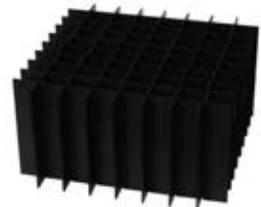
Extruded polypropylene, cavity profile, high abrasion resistance, light weight (600 g/m<sup>2</sup>), thickness 3.0 mm (other thicknesses on request), electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1



All partitions can be equipped with block-outs for sight and handles for easier removal of the stored parts.

All partitions can be adapted to any customer-specific application. Even not standardized containers can be easily equipped with parting inserts.



Any raster width and partition height from 15 mm may be implemented depending on customer's request.

Customer-specific parting inserts and partitions may be **produced individually at any time**. Tell us your requirements and we will submit you a non-binding offer.

PP inserts customer-specific



dpvlink 20662



Article  
050.200.Spez.PP PP insert customer-specific

## Material: Polystyrene (PS)

**PS** | Material Vollmaterial

For the use in transport containers to transport or store electronic components in an organized manner and in layers

Fix your products and **protect them against damage during transportation**. The interlayers of **lightweight polypropylene** with cavities provide additional stability for your containers equipped with partitions.

**EPA**store



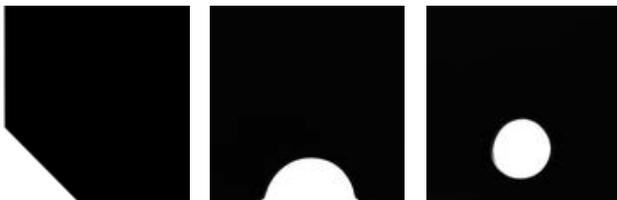
### Technical data for standard versions

Lateral length container:	- 300 / 400 / 600 mm
Partition height:	- 80 / 120 / 180 mm
Thicknesses:	- 1.5 mm - 1.8 mm - 2.0 mm

- available with different raster widths/numbers of subdivisions
- electrostatically volume conductive
- In compliance with ESD standard DIN EN 61340-5-1 

Handhold cut-outs for easier removal from Euro containers available in 3 versions:

- Standard: 2 corners sloped
- Type A: 2 handhold cut-outs semicircular 34 x 17 mm
- Type C: 2 grip holes round 30 mm



Individual solutions - configure online

Configurator for interlayers

dpvlink KonZ

## Interlayers PS

### PS Interlayers for transport containers thickness 1.5 mm



Solid material, polystyrene (PS), high abrasion resistance, thickness 1.5 mm



dpvlink 15144

Article	Dimensions LxW [mm]	Thickness [mm]	Type
<b>for Euro containers 400 x 300 mm</b>			
050.330.D-15	353 x 253	1.5	Standard type D
050.331.A-15	353 x 253	1.5	Type A
050.333.C-15	353 x 253	1.5	Type C
<b>for Euro containers 600 x 400 mm</b>			
050.335.D-15	553 x 353	1.5	Standard type D
050.336.A-15	553 x 353	1.5	Type A
050.338.C-15	553 x 353	1.5	Type C
<b>Cuttings / customer-specific manufacture</b>			
050.301.PS15.Z	- x -	1.5	

**Cuttings, customer-specific manufacture available on request**

### PS Interlayers for transport containers thickness 1.8 mm



Solid material, polystyrene (PS), high abrasion resistance, thickness 1.8 mm



dpvlink 15145

Article	Dimensions LxW [mm]	Thickness [mm]	Type
<b>for Euro containers 400 x 300 mm</b>			
050.330.D-18	353 x 253	1.8	Standard type D
050.331.A-18	353 x 253	1.8	Type A
050.333.C-18	353 x 253	1.8	Type C
<b>for Euro containers 600 x 400 mm</b>			
050.335.D-18	553 x 353	1.8	Standard type D
050.336.A-18	553 x 353	1.8	Type A
050.338.C-18	553 x 353	1.8	Type C
<b>Cuttings / customer-specific manufacture</b>			
050.301.PS18.Z	- x -	1.8	

**Cuttings, customer-specific manufacture available on request**

### PS Interlayers for transport containers thickness 2.0 mm



Solid material, polystyrene (PS), high abrasion resistance, thickness 2.0 mm

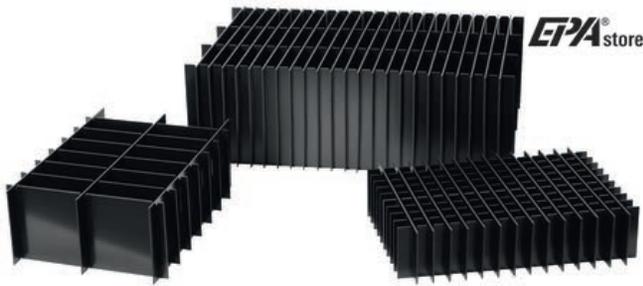


dpvlink 15109

Article	Dimensions LxW [mm]	Thickness [mm]	Type
<b>for Euro containers 400 x 300 mm</b>			
050.330.D-20	353 x 253	2.0	Standard type D
050.331.A-20	353 x 253	2.0	Type A
050.333.C-20	353 x 253	2.0	Type C
<b>for Euro containers 600 x 400 mm</b>			
050.335.D-20	553 x 353	2.0	Standard type D
050.336.A-20	553 x 353	2.0	Type A
050.338.C-20	553 x 353	2.0	Type C
<b>Cuttings / customer-specific manufacture</b>			
050.301.PS20.Z	- x -	2.0	

**Cuttings, customer-specific manufacture available on request**

Partitions / parting inserts PS



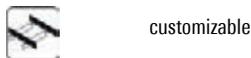
In order to satisfy the constantly increasing requirements in electronics manufacturing you must **protect your components against electrostatic discharge**. The **ESD-safe parting inserts** for Euro containers complete your workstation.

Parting inserts facilitate the removal of components to be processed from containers. Cut-outs can be adapted **to your requirements**. You will find **hereinafter our standard parting inserts** for the most common applications.

Technical data for standard versions

- Lateral length container: - 300 / 400 / 600 mm outside  
- 253 / 353 / 553 mm inside
- Partition heights: - 80 / 120 / 180 mm
- Thicknesses: - 1.5 mm  
- 1.8 mm  
- 2.0 mm

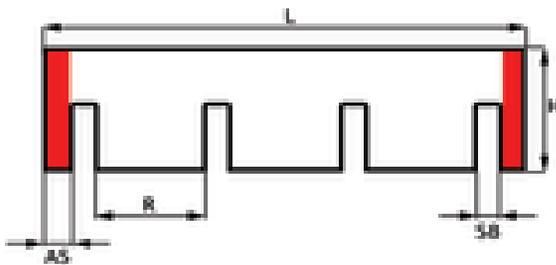
- available with different raster widths/numbers of subdivisions
- electrostatically volume conductive
- In compliance with ESD standard DIN EN 61340-5-1



Upon request - Standard partitions

- specific heights between 30 - 600 mm
- handheld cut-outs

Also for KLT containers



- H = Height of the parting insert (80, 120 or 180 mm)
- L = Length of the parting insert (253, 353 or 553 mm)
- G = Grid spacing
- ES = External support (if existing)
- SW = Slot width



In case of high Euro containers we **recommend parting inserts and additionally interlayers** that can be manufactured with cut-outs allowing a **quick and easy removal of the components**.

Standard PS partitions, height 80 mm



PS partition 253 x 80 x 2.0 mm, for Euro containers 400 x 300 mm



dpvlink 14937

Article	Compartments	Grid spacing [mm]	Slots	AS
050.339.080.20	11	20	10	no
050.339.080.29	8	29	7	no
050.339.080.39	6	39	5	no
050.339.080.48	5	48	4	no
050.339.080.61	4	61	3	no
050.339.080.72	3	72	4	yes
050.339.080.110	2	110	3	yes
050.339.080.215	1	215	2	yes



Standard PS partitions, height 80 mm



PS partition 353 x 80 x 2.0 mm, for Euro containers 600 x 400 mm / 400 x 300 mm



dpvlink 14964

Article	Compartments	Grid spacing [mm]	Slots	AS
050.340.080.20	15	20	14	no
050.340.080.32	10	32	9	no
050.340.080.41	8	41	7	no
050.340.080.55	6	55	5	no
050.340.080.68	5	68	4	no
050.340.080.78	4	78	5	yes
050.340.080.105	3	105	4	yes
050.340.080.159	2	159	3	yes
050.340.080.317	1	317	2	yes



Standard PS partitions, height 80 mm



PS partitions 553 x 80 x 2.0 mm, for Euro containers 600 x 400 mm



dpvlink 14994

Article	Compartments	Grid spacing [mm]	Slots	AS
050.341.080.20	24	20	23	no
050.341.080.23	20	23	21	yes
050.341.080.34	15	34	14	no
050.341.080.43	12	43	11	no
050.341.080.52	10	52	9	no
050.341.080.66	8	66	7	no
050.341.080.76	7	76	6	no
050.341.080.84	6	84	7	yes
050.341.080.101	5	101	6	yes
050.341.080.127	4	127	5	yes
050.341.080.170	3	170	4	yes
050.341.080.257	2	257	3	yes

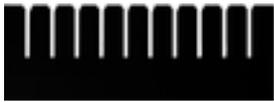


Other heights from 30-600 mm with cut-outs customizable



Individual solutions - configure online  
Configurator for parting inserts

## Standard PS partitions, height 120 mm



PS partition 253 x 120 x 2.0 mm, for Euro containers 400 x 300 mm



dpvlink 14946

Article	Compartments	Grid spacing [mm]	Slots	AS	
050.339.120.20	11	20	10	no	
050.339.120.29	8	29	7	no	
050.339.120.39	6	39	5	no	
050.339.120.48	5	48	4	no	
050.339.120.61	4	61	3	no	
050.339.120.72	3	72	4	yes	
050.339.120.110	2	110	3	yes	
050.339.120.215	1	215	2	yes	

## Standard PS partitions, height 120 mm



PS partition 353 x 120 x 2.0 mm, for Euro containers 600 x 400 mm / 400 x 300 mm



dpvlink 14974

Article	Compartments	Grid spacing [mm]	Slots	AS	
050.340.120.20	15	20	14	no	
050.340.120.32	10	32	9	no	
050.340.120.41	8	41	7	no	
050.340.120.55	6	55	5	no	
050.340.120.68	5	68	4	no	
050.340.120.78	4	78	5	yes	
050.340.120.105	3	105	4	yes	
050.340.120.159	2	159	3	yes	
050.340.120.317	1	317	2	yes	

## Standard PS partitions, height 120 mm



PS partition 553 x 120 x 2.0 mm, for Euro containers 600 x 400 mm



dpvlink 15007

Article	Compartments	Grid spacing [mm]	Slots	AS	
050.341.120.20	24	20	23	no	
050.341.120.23	20	23	21	yes	
050.341.120.34	15	34	14	no	
050.341.120.43	12	43	11	no	
050.341.120.52	10	52	9	no	
050.341.120.66	8	66	7	no	
050.341.120.76	7	76	6	no	
050.341.120.84	6	84	7	yes	
050.341.120.101	5	101	6	yes	
050.341.120.127	4	127	5	yes	
050.341.120.170	3	170	4	yes	
050.341.120.257	2	257	3	yes	

Other heights from 30-600 mm with cut-outs customizable

## Standard PS partitions, height 180 mm



PS partition 253 x 180 x 2.0 mm, for Euro containers 400 x 300 mm



dpvlink 14955

Article	Compartments	Grid spacing [mm]	Slots	AS	
050.339.180.20	11	20	10	no	
050.339.180.29	8	29	7	no	
050.339.180.39	6	39	5	no	
050.339.180.48	5	48	4	no	
050.339.180.61	4	61	3	no	
050.339.180.72	3	72	4	yes	
050.339.180.110	2	110	3	yes	
050.339.180.215	1	215	2	yes	

## Standard PS partitions, height 180 mm



PS partition 353 x 180 x 2.0 mm, for Euro containers 600 x 400 mm / 400 x 300 mm



dpvlink 14984

Article	Compartments	Grid spacing [mm]	Slots	AS	
050.340.180.20	15	20	14	no	
050.340.180.32	10	32	9	no	
050.340.180.41	8	41	7	no	
050.340.180.55	6	55	5	no	
050.340.180.68	5	68	4	no	
050.340.180.78	4	78	5	yes	
050.340.180.105	3	105	4	yes	
050.340.180.159	2	159	3	yes	
050.340.180.317	1	317	2	yes	

## Standard PS partitions, height 180 mm



PS partition 553 x 180 x 2.0 mm, for Euro containers 600 x 400 mm



dpvlink 15019

Article	Compartments	Grid spacing [mm]	Slots	AS	
050.341.180.20	24	20	23	no	
050.341.180.23	20	23	21	yes	
050.341.180.34	15	34	14	no	
050.341.180.43	12	43	11	no	
050.341.180.52	10	52	9	no	
050.341.180.66	8	66	7	no	
050.341.180.76	7	76	6	no	
050.341.180.84	6	84	7	yes	
050.341.180.101	5	101	6	yes	
050.341.180.127	4	127	5	yes	
050.341.180.170	3	170	4	yes	
050.341.180.257	2	257	3	yes	

## PS inserts customer-specific



For the use in transport containers to transport or store electronic components in an organized manner and in layers

Solid material, polystyrene (PS), high abrasion resistance, electrostatically volume conductive

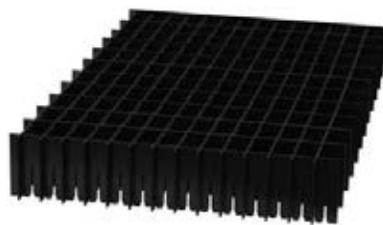
In compliance with ESD standard DIN EN 61340-5-1 ⚠

Standard thickness: 2.0 mm  
other thicknesses: 1.5 mm, 1.8 mm



All partitions can be equipped with block-outs for sight and handles for easier removal of the stored parts.

All partitions can be adapted to any customer-specific application. Even not standardized containers can be easily equipped with parting inserts.



Any raster width and partition height from 15 mm can be implemented depending on customer's request.

Customer-specific parting inserts and partitions can be produced individually at any time. Tell us your requirements and we will submit you a non-binding offer.

## PS inserts customer-specific



dpvlink 20664

Article

050.300.Spez.PS PS insert customer-specific



## Material: Polyethylene foam (PE)

### Interlayers PE

### PE foam interlayers, dissipative



EPAstore

PE foam is electrostatically dissipative, partially with skin, cross-linked, closed-cell, corrosion-free, abrasion-resistant.  
Color: black

#### Suitable as:

- pin-insertion foam
- interlayers for containers
- partitions for containers
- workstation pad

In compliance with ESD standard DIN EN 61340-5-1 ⚠



dpvlink 700

Article	L [mm]	W [mm]	Thickness [mm]
4550.03.0153	253	153	3
4550.03.0253	353	253	3
4550.03.0255.KLT	340	255	3
4550.03.0300	300	300	3
4550.03.0353	553	353	3
4550.03.0355.KLT	540	355	3
4550.03.Z		Cutting	3
4550.06.0153	253	153	3
4550.06.0253	353	253	6
4550.06.0255.KLT	340	255	6
4550.06.0300	300	300	6
4550.06.0353	553	353	6
4550.06.0355.KLT	540	355	6
4550.06.0550	750	550	6
4550.06.Z		Cutting	6
4550.10.0253	353	253	10
4550.10.0255.KLT	340	255	10
4550.10.0353	553	353	10
4550.10.0355.KLT	540	355	10
4550.10.0550	750	550	10
4550.10.Z		Cutting	10



### PE foam plates, dissipative



dpvlink 702

Article	L [mm]	W [mm]	Thickness [mm]
4550.03.1000	1000	1000	3
4550.03.1500	1500	1000	3
4550.06.1000	1000	1000	6
4550.06.1500	1500	1000	6
4550.10.1000	1000	1000	10
4550.10.1500	1500	1000	10

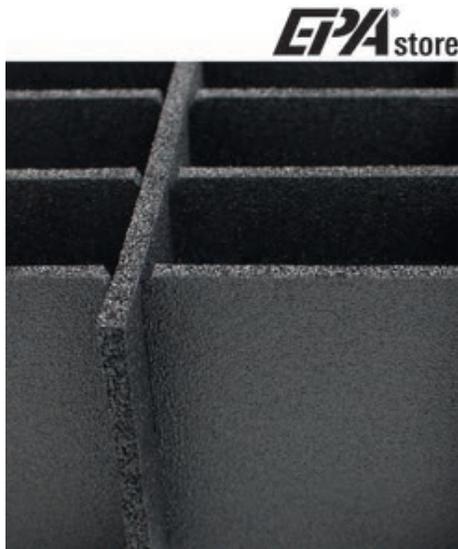


further thicknesses, cuttings and assemblies available on request -

PE inserts customer-specific

Partitions made of polyethylene foam are very lightweight, abrasion-resistant and corrosion-free, and at the same time electrostatically volume conductive. Ideal for very sensitive assemblies.

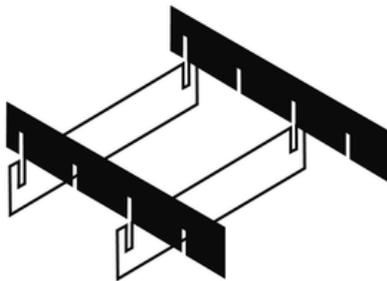
Partitions for the subdivision of containers in any compartment size.



In compliance with ESD standard DIN EN 61340-5-1 

All partitions may be adapted to any customer-specific application. Even non-standardized containers can easily be equipped with parting inserts.

Customer-specific parting inserts and partitions can be produced individually at any time. Tell us your requirements and we will submit you a non-binding offer.



Easy assembly facilitates the adaption of the partitions to all applications. **Ideal for very sensitive assemblies.**

PE insert customer-specific



[dpvlink 20666](#)

Article

050.500.Spez.PE PE insert customer-specific





**EPAstore® Individual packaging solutions**

Our online tools for a quick and simple determination of the interlayers and partitions you need.

Select from the directly displayed standard solutions or use the integrated request function.

There is no need to download an application – it works on PC, notebook or smartphone.





**Configurator for interlayers**

[dpvlink KanZ](#)



**Configurator for parting inserts/partitions**

[dpvlink KanG](#)

**Visit our online shop and simply configure your packaging solution**

- Easy to use and direct request via tool
- Immediate visualization of your desired product
- Standard or individual solution
- Large selection of materials and thicknesses
- Browser-driven tool for PC, tablet or smartphone







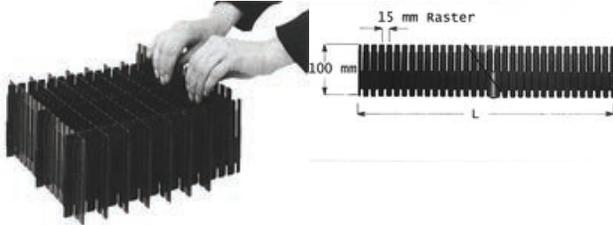
Parting inserts, others

Parting inserts / plug-in dividers "DIVIPRINT"



Electrically conductive plug-in system for container subdivision. The parting inserts can be easily cut to the requested length.

Material: polystyrene, electrostatically volume conductive, black  
In compliance with ESD standard DIN EN 61340-5-1



dpvlink 4021

Article Abmessung LxH [mm]

Parting inserts / plug-in dividers "DIVIPRINT"

050.250	551 x 100 x 100
050.251	351 x 100 x 100
050.252	255 x 100 x 100



Parting inserts WEZ



Pluggable inserts for the individual container subdivision  
Thickness: 3 mm



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 15057

Article Abmessung LxH [mm]

Parting inserts WEZ

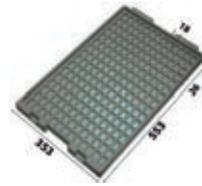
2610.003.992	258 x 100 / 258100
3610.003.992	358 x 100 / 358100
5610.003.992	358 x 200 / 558100
3620.003.992	558 x 100 / 358200
5620.003.992	558 x 200 / 558200



Vacuum-formed inserts

All inserts are made of electrically conductive material (Liatstat).

Vacuum-formed inserts T-263



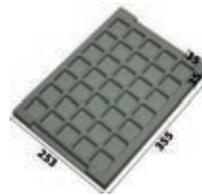
- suitable for containers 600x400
- two-way stacking
- recessed grip
- 208 cavities 26x18x15 mm
- 

dpvlink 18936

Article	L [mm]	W [mm]	H [mm]
032.T-263	553	353	37



Vacuum-formed inserts T-230



- suitable for containers 400x300
- recessed grip
- 35 grooves 35x35x15 mm
- 

dpvlink 18900

Article	L [mm]	W [mm]	H [mm]
032.T-230	355	253	21



Vacuum-formed inserts T-2113



- suitable for containers 400x300
- two-way stacking
- recessed grip
- 50 cavities 42x22x21 mm

dpvlink 19018

Article	L [mm]	W [mm]	H [mm]
032.T-2113	350	250	26



Vacuum-formed inserts T-245



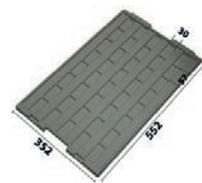
- suitable for containers 600x400
- two-way stacking
- recessed grip
- 78 cavities 50x31x10 mm
- 

dpvlink 18902

Article	L [mm]	W [mm]	H [mm]
032.T-245	553	353	245



Vacuum-formed inserts T-2105



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 40 cavities 57x30x7 mm
- 

dpvlink 18938

Article	L [mm]	W [mm]	H [mm]
032.T-2105	552	352	17



## Vacuum-formed inserts T-244



- suitable for containers 400x300
- two-way stacking
- recessed grip
- 20 cavities 57x46x15 mm
- 

**dpvlink 18904**

Article	L [mm]	W [mm]	H [mm]
032.T-244	355	253	20



## Vacuum-formed inserts T-235



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 24 cavities 59x51x34 mm
- 

**dpvlink 18906**

Article	L [mm]	W [mm]	H [mm]
032.T-235	555	355	47



## Vacuum-formed inserts T-2106



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 60 cavities 63x21x7 mm
- 

**dpvlink 18940**

Article	L [mm]	W [mm]	H [mm]
032.T-2106	552	352	17



## Vacuum-formed inserts T-236



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 20 cavities 77x59x34 mm
- 

**dpvlink 18908**

Article	L [mm]	W [mm]	H [mm]
032.T-236	555	355	47



## Vacuum-formed inserts T-231



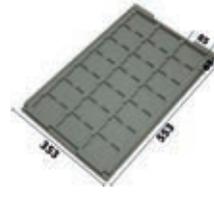
- suitable for containers 400x300
- recessed grip
- 15 cavities 80x35x20 mm
- 

**dpvlink 18910**

Article	L [mm]	W [mm]	H [mm]
032.T-231	355	253	26



## Vacuum-formed inserts T-240



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 21 cavities 85x65x17 mm
- 

**dpvlink 18912**

Article	L [mm]	W [mm]	H [mm]
032.T-240	553	353	29



## Vacuum-formed inserts T-232



- suitable for containers 400x300
- recessed grip
- 12 cavities 90x50x20 mm
- 

**dpvlink 18914**

Article	L [mm]	W [mm]	H [mm]
032.T-232	355	253	25



## Vacuum-formed inserts T-2100



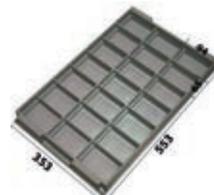
- suitable for containers 400x300
- two-way stacking
- recessed grip
- 15 cavities 90x40x23 mm
- 

**dpvlink 18928**

Article	L [mm]	W [mm]	H [mm]
032.T-2100	358	258	68



## Vacuum-formed inserts T-241



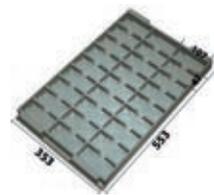
- suitable for containers 600x400
- two-way stacking
- recessed grip
- 21 cavities 94x65x35 mm
- 

**dpvlink 18916**

Article	L [mm]	W [mm]	H [mm]
032.T-241	553	353	46



## Vacuum-formed inserts T-242



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 27 cavities 107x47x22 mm
- 

**dpvlink 18918**

Article	L [mm]	W [mm]	H [mm]
032.T-242	553	353	40



**Vacuum-formed inserts T-2114**



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 16 cavities 108x73x31 mm

dpvlink 19020

Article	L [mm]	W [mm]	H [mm]
032.T-2114	555	355	40



**Vacuum-formed inserts T-246**



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 12 cavities 112x106x35 mm
- ⚠

dpvlink 18920

Article	L [mm]	W [mm]	H [mm]
032.T-246	553	353	44



**Vacuum-formed inserts T-233**



- suitable for containers 600x400
- recessed grip
- 15 cavities 135x50x10 mm
- ⚠

dpvlink 18922

Article	L [mm]	W [mm]	H [mm]
032.T-233	550	350	17



**Vacuum-formed inserts T-234**



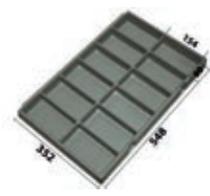
- suitable for containers 600x400
- recessed grip
- 42 cavities 145x15x10 mm
- ⚠

dpvlink 18924

Article	L [mm]	W [mm]	H [mm]
032.T-234	550	350	17



**Vacuum-formed inserts T-2103**



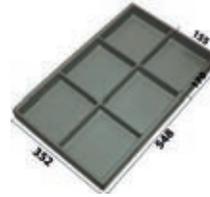
- suitable for containers 600x400
- two-way stacking
- 12 cavities 154x80x37 mm
- ⚠

dpvlink 18934

Article	L [mm]	W [mm]	H [mm]
032.T-2103	548	352	46



**Vacuum-formed inserts T-2102**



- suitable for containers 600x400
- 6 cavities 170x155x36 mm
- ⚠

dpvlink 18932

Article	L [mm]	W [mm]	H [mm]
032.T-2102	548	352	42



**Vacuum-formed inserts T-2107**



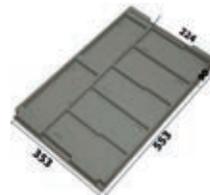
- suitable for containers 400x300
- 7 cavities 189x35x41 mm
- ⚠

dpvlink 18942

Article	L [mm]	W [mm]	H [mm]
032.T-2107	362	263	43



**Vacuum-formed inserts T243**



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 7 cavities 244x90x2 mm
- ⚠

dpvlink 18926

Article	L [mm]	W [mm]	H [mm]
032.T-243	553	353	38



**Vacuum-formed inserts T-298**



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 6 cavities 238x102x52 mm
- ⚠

dpvlink 18944

Article	L [mm]	W [mm]	H [mm]
032.T-298	553	353	55



**Vacuum-formed inserts T-2108**



- suitable for containers 600x400
- two-way stacking
- 4 cavities 255x135x50 mm
- ⚠

dpvlink 18946

Article	L [mm]	W [mm]	H [mm]
032.T-2108	550	350	55



## Vacuum-formed inserts T-2101



- suitable for containers 600x400
- 2 cavities 278x233x36 mm
- 

dpvlink 18930



Article	L [mm]	W [mm]	H [mm]
032.T-2101	550	350	43

## Vacuum-formed inserts T-2109



- suitable for containers 600x400
- two-way stacking
- 3 cavities 295x135x55 mm
- 

dpvlink 18948



Article	L [mm]	W [mm]	H [mm]
032.T-2109	550	350	58

## Vacuum-formed inserts T-276



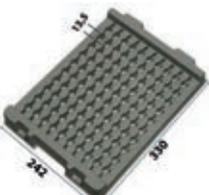
- suitable for containers 400x300
- two-way stacking
- recessed grip
- 320 cavities  $\varnothing$ 7x15 mm
- 

dpvlink 18950



Article	L [mm]	W [mm]	H [mm]
032.T-276	352	252	20

## Vacuum-formed inserts T-278



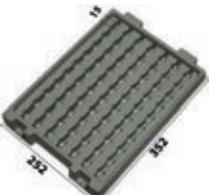
- suitable for containers 400x300
- two-way stacking
- recessed grip
- 100 cavities  $\varnothing$ 13,5x35 mm
- 

dpvlink 18952



Article	L [mm]	W [mm]	H [mm]
032.T-278	330	242	43

## Vacuum-formed inserts T-280



- suitable for containers 400x300
- two-way stacking
- recessed grip
- 70 cavities  $\varnothing$ 15x38 mm
- 

dpvlink 18954



Article	L [mm]	W [mm]	H [mm]
032.T-280	352	252	40

## Vacuum-formed inserts T-281



- suitable for containers 400x300
- recessed grip
- 48 cavities  $\varnothing$ 16x15 mm
- 

dpvlink 18956



Article	L [mm]	W [mm]	H [mm]
032.T-281	352	252	17

## Vacuum-formed inserts T-282



- suitable for containers 400x300
- recessed grip
- 80 cavities  $\varnothing$ 17x14 mm
- 

dpvlink 18958



Article	L [mm]	W [mm]	H [mm]
032.T-282	352	252	18

## Vacuum-formed inserts T-285



- suitable for containers 400x300
- two-way stacking
- recessed grip
- 86 cavities  $\varnothing$ 19x30 mm
- 

dpvlink 18964



Article	L [mm]	W [mm]	H [mm]
032.T-285	331	245	35

## Vacuum-formed inserts T-286



- suitable for containers 400x300
- 35 cavities  $\varnothing$ 20x25 mm
- 

dpvlink 18968



Article	L [mm]	W [mm]	H [mm]
032.T-286	331	245	40

## Vacuum-formed inserts T-287



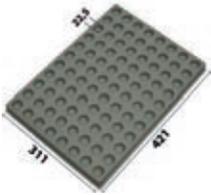
- suitable for containers 400x300
- 76 cavities  $\varnothing$ 22x20 mm
- 

dpvlink 18972



Article	L [mm]	W [mm]	H [mm]
032.T-287	331	245	21

**Vacuum-formed inserts T-289**



- suitable for containers 600x400
- 88 cavities ø 22.5x15 mm
- 

dpvlink 18976



Article	L [mm]	W [mm]	H [mm]
032.T-289	421	311	30

**Vacuum-formed inserts T-291**



- suitable for containers 600x400
- 88 cavities ø25x30 mm
- 

dpvlink 18980



Article	L [mm]	W [mm]	H [mm]
032.T-291	421	311	31

**Vacuum-formed inserts T-270**



- suitable for containers 400x300
- recessed grip
- 56 cavities ø30x15 mm
- 

dpvlink 18982



Article	L [mm]	W [mm]	H [mm]
032.T-270	352	252	17

**Vacuum-formed inserts T-294**



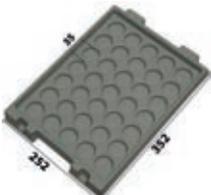
- suitable for containers 600x400
- 54 cavities ø 33x30 mm
- 

dpvlink 18986



Article	L [mm]	W [mm]	H [mm]
032.T-294	421	311	35

**Vacuum-formed inserts T-295**



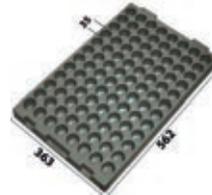
- suitable for containers 400x300
- two-way stacking
- recessed grip
- 35 cavities ø35x30 mm
- 

dpvlink 18990



Article	L [mm]	W [mm]	H [mm]
032.T-295	352	252	34

**Vacuum-formed inserts T-247**



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 96 cavities ø 35x35 mm
- 

dpvlink 18992



Article	L [mm]	W [mm]	H [mm]
032.T-247	562	363	43

**Vacuum-formed inserts T-2112**



- suitable for containers 400x300
- two-way stacking
- recessed grip
- 35 cavities ø35x37 mm
- 

dpvlink 18988



Article	L [mm]	W [mm]	H [mm]
032.T-2112	350	255	73

**Vacuum-formed inserts T-271**



- suitable for containers 400x300
- recessed grip
- 35 grooves ø35.5x15 mm
- 

dpvlink 18994



Article	L [mm]	W [mm]	H [mm]
032.T-271	352	252	17

**Vacuum-formed inserts T-272**



- suitable for containers 400x300
- recessed grip
- 35 grooves ø 37.5x6 mm
- 

dpvlink 18996



Article	L [mm]	W [mm]	H [mm]
032.T-272	352	252	14

**Vacuum-formed inserts T-296**



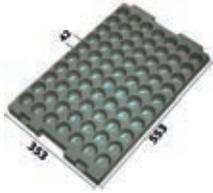
- suitable for containers 600x400
- 35 cavities ø40.5x35 mm
- 

dpvlink 18998



Article	L [mm]	W [mm]	H [mm]
032.T-296	421	311	42

## Vacuum-formed inserts T-249



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 70 cavities  $\varnothing 42 \times 32$  mm
- 

dpvlink 19000

Article	L [mm]	W [mm]	H [mm]
032.T-249	553	353	36



## Vacuum-formed inserts T-273



- suitable for containers 400x300
- recessed grip
- 20 cavities  $\varnothing 50 \times 15$  mm
- 

dpvlink 19002

Article	L [mm]	W [mm]	H [mm]
032.T-273	352	252	17



## Vacuum-formed inserts T-248



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 40 cavities  $\varnothing 60 \times 42$  mm
- 

dpvlink 19004

Article	L [mm]	W [mm]	H [mm]
032.T-248	562	363	50



## Vacuum-formed inserts T-274



- suitable for containers 400x300
- recessed grip
- 12 cavities  $\varnothing 67 \times 15$  mm
- 

dpvlink 19006

Article	L [mm]	W [mm]	H [mm]
032.T-274	352	252	17



## Vacuum-formed inserts T-237



- suitable for containers 600x400
- recessed grip
- 78 cavities  $\varnothing 70 \times 30$  mm
- 

dpvlink 19008

Article	L [mm]	W [mm]	H [mm]
032.T-237	550	350	38



## Vacuum-formed inserts T-275



- suitable for containers 400x300
- recessed grip
- 6 cavities  $\varnothing 85 \times 15$  mm
- 

dpvlink 19010

Article	L [mm]	W [mm]	H [mm]
032.T-275	352	252	17



## Vacuum-formed inserts T-297



- suitable for containers 600x400
- 11 cavities  $\varnothing 100 \times 20$  mm
- 

dpvlink 19012

Article	L [mm]	W [mm]	H [mm]
032.T-297	562	363	25



## Vacuum-formed inserts T-238



- suitable for containers 600x400
- recessed grip
- 12 cavities  $\varnothing 100 \times 30$  mm
- 

dpvlink 19014

Article	L [mm]	W [mm]	H [mm]
032.T-238	550	350	17



## Vacuum-formed inserts T-239



- suitable for containers 600x400
- two-way stacking
- recessed grip
- 6 cavities  $\varnothing 160 \times 20$  mm
- 

dpvlink 19016

Article	L [mm]	W [mm]	H [mm]
032.T-239	550	350	31



## Pallets for small PCBs



ESD pallets for small PCBs, electrostatically volume conductive

In compliance with ESD standard  
DIN EN 61340-5-1 

dpvlink 5486

Article	Type
052.601	<b>Pallet for 16 PCBs, max. 105 x 50 mm fixed</b> Dimensions: 250 x 350 x 30 mm / DxWxH
052.602	<b>Pallet for 15 PCBs, max. 100 x 40 mm</b> Dimensions: 250 x 350 x 30 mm / DxWxH
052.603	<b>Pallet for 45 PCBs, max. 50 x 30 mm</b> Dimensions: 250 x 350 x 23 mm / DxWxH



ESD Suitcases

WEZ

Suitcase FUTURA



WEZ suitcase Futura

- volume conductive polypropylene
- stackable
- color black

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 25327

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>Suitcase FUTURA</b>			
63.4312.360.992	400 x 300 x 130	355 x 255 x 115	polypropylene
63.4317.360.992	400 x 300 x 185	355 x 255 x 170	polypropylene
63.6412.360.992	600 x 400 x 130	555 x 355 x 115	polypropylene
63.6417.360.992	600 x 400 x 185	555 x 355 x 170	polypropylene

Suitcase standard



WEZ suitcase

- electrostatically volume conductive polypropylene
- stackable
- color black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 833

Article	Dimensions outside/inside LxWxH [mm]		
<b>Suitcase standard</b>			
3204.390.992	300 x 200 x 63	260 x 160 x 39	
3208.397.992	300 x 200 x 110	254 x 154 x 95	
3213.397.992	300 x 200 x 154	254 x 154 x 139	
4304.397.992	400 x 300 x 63	354 x 254 x 48	
4308.397.992	400 x 300 x 110	354 x 254 x 95	
4313.397.992	400 x 300 x 154	354 x 254 x 139	
4320.397.992	400 x 300 x 221	354 x 254 x 206	
4326.397.992	400 x 300 x 287	354 x 254 x 272	
4313.387.992	600 x 300 x 154	554 x 254 x 139	light
6408.397.992	600 x 400 x 111	554 x 354 x 95	
6413.397.992	600 x 400 x 155	554 x 354 x 139	
6420.397.992	600 x 400 x 221	554 x 354 x 206	
6426.397.992	600 x 400 x 288	554 x 354 x 272	

RAKO

RAKO Suitcases



RAKO Suitcases are made of electrostatically volume conductive polypropylene, stackable, black.

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 801

Article	Dimensions outside/inside LxWxH [mm]		Material
<b>RAKO Suitcases</b>			
051312.K	300 x 200 x 130	258 x 158 x 117	polypropylene
051322.K	300 x 200 x 230	258 x 158 x 217	polypropylene
051406.K	400 x 300 x 80	358 x 258 x 62	polypropylene
051412.K	400 x 300 x 130	358 x 258 x 117	polypropylene
051417.K	400 x 300 x 185	358 x 258 x 165	polypropylene
051432.K	400 x 300 x 340	358 x 258 x 317	polypropylene
051607.K	600 x 400 x 90	552 x 352 x 72	polypropylene
051612.K	600 x 400 x 132	558 x 358 x 116	polypropylene
051617.K	600 x 400 x 185	558 x 358 x 166	polypropylene
051622.K	600 x 400 x 235	557 x 357 x 216	polypropylene
051632.K	600 x 600 x 340	558 x 358 x 320	polypropylene
051642.K	600 x 400 x 440	555 x 355 x 422	polypropylene

Toolboxes

ESD Toolbox Compact 15



Black ESD toolbox made of polypropylene for a safe storage and transport of ESD tools.

In compliance with the ESD standard DIN EN 61340-5-1

dpvlink 8010

Article	Type
050.2715	<b>ESD Toolbox Compact 15</b> Dimensions: 425 x 170 x 215 mm, 1.5 kg empty

ESD Toolbox

Toolbox for a safe storage and transport of ESD tools. Suitable for the application in cleanrooms and for service technicians.

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 8008

Article	Type
2402.250	<b>ESD toolbox dissipative, yellow</b> Dimensions: 370 x 190 x 135 mm, 0.65 kg empty max. 10 kg
2402.251	<b>ESD toolbox, conductive, black</b> Dimensions: 370 x 190 x 135 mm, 0.65 kg empty max. 10 kg

## Suitcases Licefa



Suitcases ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic

In compliance with ESD standard DIN EN 61340-5-1 

### Suitcase 2012 ESD



Internal dimensions: 120 x 80 x 24 mm



Suitcase 2012-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 120 x 80 x 24 mm

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 16766**



Article	Type
032.417	<b>Suitcase 2012-ESD, empty</b> Internal dimensions: 120 x 80 x 24 mm
032.417.NO-Set	<b>Napped foam set for suitcase K 2012 ESD</b>
032.417.04	<b>Case insert ESD (4 compartments)</b> Compartment size approx. 53 x 38 x 22 mm
032.417.06	<b>Case insert ESD (6 compartments)</b> Compartment size approx. 38 x 35 x 22
032.417.12	<b>Case insert ESD (12 compartments)</b> Compartment size approx. 25 x 24 x 22

### Suitcase 2005 ESD



Internal dimensions: 170 x 130 x 37 mm



Suitcase 2005-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 170 x 130 x 37 mm

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 14743**



Article	Type
032.415.NO-Set	<b>Napped foam set for suitcase K 2005 ESD</b>
032.415.09	<b>Case insert 2005</b> Compartment size approx. 36 x 50 x 35 mm
032.415.06	<b>Case insert 2005</b> Compartment size approx. 56 x 50 x 35 mm
032.415	<b>Suitcase 2005 ESD, empty</b> Internal dimensions: 170 x 130 x 37 mm

**Suitcase 2001 ESD**



Internal dimensions: 240 x 170 x 42 mm



Suitcase 2001-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 240 x 170 x 42 mm

In compliance with ESD standard DIN EN 61340-5-1 

[dpvlink 14742](#)



Article	Type
032.410.NO-Set	<b>Napped foam set for suitcase K 2001 ESD</b>
032.410.RA-Set	<b>Gridded foam set for suitcase K 2001 ESD</b>
032.410.ST-Set	<b>Pin-insertion foam set for suitcase K 2001 ESD</b>
032.410	<b>Suitcase 2001 ESD, empty</b> Internal dimensions: 240 x 170 x 42 mm
032.410.12	<b>Case insert ESD (12 compartments)</b> Compartment size approx. 50 x 53 x 40 mm
032.410.09	<b>Case insert ESD (9 compartments)</b> Compartment size approx. 50 x 72 x 40 mm
032.410.06	<b>Case insert ESD (6 compartments)</b> Compartment size approx. 77 x 72 x 40 mm

**Suitcase 2004 ESD**



Internal dimensions: 270 x 185 x 76 mm



Suitcase 2004-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 270 x 185 x 76 mm

In compliance with ESD standard DIN EN 61340-5-1 

[dpvlink 14741](#)



Article	Type
032.405.NO-Set	<b>Napped foam set for suitcase K 2004 ESD</b>
032.405.RA-Set	<b>Gridded foam set for suitcase K 2004 ESD</b>
032.405.09	<b>Case insert ESD (9 compartments)</b> Compartment size approx. 50 x 81 x 73 mm
032.405.06	<b>Case insert ESD (6 compartments)</b> Compartment size approx. 78 x 81 x 73 mm
032.405	<b>Suitcase 2004 ESD, empty</b> Internal dimensions: 270 x 185 x 76 mm

**Suitcase 2006 ESD**



Internal dimensions: 335 x 240 x 71 mm



Suitcase 2006-ESD with hinges and flap fasteners electrostatically volume conductive plastic  
Internal dimensions: 335 x 240 x 71 mm

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 16768		QR Code
Article	Type	
 032.401	<b>Suitcase 2006 ESD, empty</b> Internal dimensions: 335 x 240 x 71 mm	
 032.401.NO-Set	<b>Napped foam set for suitcase K 2006 ESD</b>	
 032.401.RA-Set	<b>Gridded foam set for suitcase K 2006 ESD</b>	

**Suitcase 2000 ESD**



Internal dimensions: 340 x 250 x 53 mm



Suitcase 2000-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 340 x 250 x 53 mm

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 4100		QR Code
Article	Type	
 032.400	<b>Suitcase 2000 ESD, empty</b> Internal dimensions: 340 x 250 x 53 mm	
 032.400.12	<b>Case insert ESD (12 compartments)</b> Compartment size approx. 75 x 71 x 50 mm	
 032.400.09	<b>Case insert ESD (9 compartments)</b> Compartment size approx 102 x 71 x 50 mm	
 032.400.06	<b>Case insert ESD (6 compartments)</b> Compartment size approx. 157 x 71 x 50 mm	
 032.400.24	<b>Case insert ESD (24 compartments)</b> Compartment size approx. 50 x 47 x 50 mm	
 032.400.NO-Set	<b>Napped foam set for suitcase K 2000 ESD</b>	
 032.400.RA-Set	<b>Gridded foam set for suitcase K 2000 ESD</b>	

**Suitcase 2007 ESD**



Internal dimensions: 365 x 245 x 105 mm



Suitcase 2012-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 365 x 245 x 105 mm

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 16770**



Article	Type
032.425	<b>Suitcase 2007 ESD, empty</b> Internal dimensions: 365 x 245 x 105 mm
032.425.NO-Set	<b>Napped foam set for suitcase K 2007 ESD</b>
032.425.RA-Set	<b>Gridded foam set for suitcase K 2007 ESD</b>

**Suitcase 2011 ESD**



Internal dimensions: 375 x 265 x 80 mm



Suitcase 2011-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 375 x 265 x 80 mm

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 14744**



Article	Type
032.420	<b>Suitcase 2011 ESD, empty</b> Internal dimensions: 375 x 265 x 80 mm
032.420.06	<b>Case insert ESD (6 compartments)</b> Compartment size approx. 168 x 71 x 62 mm
032.420.09	<b>Case insert ESD (9 compartments)</b> Compartment size approx. 108 x 71 x 62 mm
032.420.12	<b>Case insert ESD (12 compartments)</b> Compartment size approx. 71 x 62 mm
032.420.NO-Set	<b>Napped foam set for suitcase K 2011 ESD</b>
032.420.RA-Set	<b>Gridded foam set for suitcase K 2011 ESD</b>

## Suitcase 2003-ESD



Internal dimensions: 410 x 272 x 113 mm



Suitcase 2003-ESD with hinges and flap fasteners, made of electrostatically volume conductive plastic  
Internal dimensions: 410 x 272 x 113 mm

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 19809		QR
Article	Type	
032.427	<b>Suitcase 2003-ESD, empty</b> Dimensions (inside): 410 x 272 x 113 mm	
032.427.RA-Set	<b>Gridded foam set for suitcase K 2003 ESD</b>	
032.427.ST-Set	<b>Napped foam set for suitcase K 2003 ESD</b>	

## ESD Small parts containers

### ESD Hinged lid boxes / rectangular boxes

#### Hinged utility boxes



Hinged utility boxes made of electrostatically volume conductive plastic, black, equipped with conductive polyethylene pin-insertion foam, lid with imprinted ESD warning symbol

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 646			QR
Article	Dimensions inside LxWxH [mm]	Foam	
<b>Hinged utility boxes</b>			
5100.860	55 x 38 x 14	PE foam for pin insertion	
5100.861	70 x 45 x 14	PE foam for pin insertion	
5100.862	130 x 32 x 14	PE foam for pin insertion	
5100.864	77 x 55 x 12	PE foam for pin insertion	
5100.865	117 x 90 x 21	PE foam for pin insertion	
5100.866	138 x 44 x 14	PE foam for pin insertion	

#### Hinged lid box type 380



- hinged lid box of plastic
- 185 x 108 x 10 mm
- color black



In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 21545		QR
Article	Type	
032.380	<b>Hinged lid box type 380</b> <b>Hinged lid box conductive, empty</b> Dimensions 185 x 108 x 10 mm	
032.380.F09	<b>Vacuum-formed insert, conductive, 9 cavities</b> Dimensions of cavities 59 x 33 mm	
032.380.F15	<b>Vacuum-formed insert, conductive, 15 cavities</b> Dimensions of cavities 35 x 33 mm	
032.380.F24	<b>Vacuum-formed insert, conductive, 24 cavities</b> Dimensions of cavities 28 x 24 mm	

### Hinged lid box type 381



- hinged lid box of plastic
- 185 x 108 x 29 mm or 185 x 108 x 48 mm
- color black



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 21548

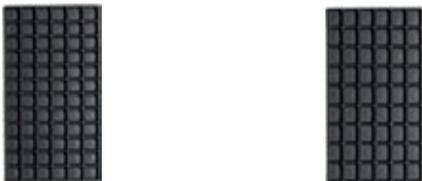


Article	Type
032.382	<b>Hinged lid box type 381</b> <b>Hinged lid box conductive, empty</b> Dimensions 185 x 108 x 48 mm
032.381	<b>Hinged lid box type 381</b> <b>Hinged lid box conductive, empty</b> Dimensions 185 x 108 x 29 mm
032.381.F02	<b>Vacuum-formed insert, conductive, 2 cavities</b> dimensions of cavities 93 x 81 mm
032.381.F12	<b>Vacuum-formed insert, conductive, 12 cavities</b> dimensions of cavities 45 x 25 mm
032.381.F17	<b>Vacuum-formed insert, conductive, 17 cavities</b> dimensions of cavities 16 x 20 x 30, 1 x 80 x 30 mm
032.381.F20	<b>Vacuum-formed insert, conductive, 20 cavities</b> dimensions of cavities 20 x 30 mm

### Hinged lid box type 384



- plastic hinged lid box
- 295 x 164 x 16 mm
- color black



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 22811



Article	Type
032.384	<b>Hinged lid box type 384</b> <b>Hinged lid box conductive, empty</b> Dimensions 295 x 164 x 16 mm
032.384.F54	<b>Vacuum-formed insert, conductive, 54 cavities</b> dimensions of cavities 28 x 23 mm
032.384.F72	<b>Vacuum-formed insert, conductive, 72 cavities</b> dimensions of cavities 20 x 22 mm

### Hinged lid box type 385



- hinged lid box of plastic
- 295 x 166 x 21 mm
- color black



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 21553



Article	Type
032.385	<b>Hinged lid box type 385</b> <b>Hinged lid box conductive, empty</b> Dimensions 295 x 166 x 21 mm
032.385.F15	<b>Vacuum-formed insert, conductive, 15 cavities</b> Dimensions of cavities 47 x 52 mm
032.385.F35	<b>Vacuum-formed insert, conductive, 35 cavities</b> Dimensions of cavities 23 x 35 mm
032.385.F54	<b>Vacuum-formed insert, conductive, 54 cavities</b> Dimensions of cavities 20 x 27 mm
032.385.F72	<b>Vacuum-formed insert, conductive, 72 cavities</b> Dimensions of cavities 20 x 20 mm

### Hinged lid box type 386



- hinged lid box of plastic
- 295 x 166 x 39 mm
- color black



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 21555



Article	Type
032.386	<b>Hinged lid box type 386</b> <b>Hinged lid box conductive, empty</b> Dimensions 295 x 166 x 39 mm
032.386.F06	<b>Vacuum-formed insert, conductive, 6 cavities</b> dimensions of cavities 69 x 88 mm
032.386.F12	<b>Vacuum-formed insert, conductive, 12 cavities</b> dimensions of cavities 44 x 64 mm
032.386.F15	<b>Vacuum-formed insert, conductive, 15 cavities</b> dimensions of cavities 44 x 49 mm

## Hinged lid box type 387

**liceffa** 



- hinged lid box made of plastic
- 295 x 164 x 38 mm
- color black



in compliance with the ESD standard DIN EN 61340-5-1 ESD

**dpvlink 24169**

Article	Type	
	<b>Hinged lid box type 387</b>	
032.387	<b>Hinged lid box conductive, empty</b> dimensions 295 x 164 x 38 mm	
032.387.F06	<b>Vacuum-formed insert, conductive, 6 cavities</b> dimensions of cavities 71 x 90 mm	
032.387.F12	<b>Vacuum-formed insert, conductive, 12 cavities</b> dimensions of cavities 45 x 66 mm	
032.387.F15	<b>Vacuum-formed insert, conductive, 15 cavities</b> dimensions of cavities 45 x 52 mm	

## Hinged lid boxes with snap lock



Hinged lid boxes with snap lock

- electrostatically volume conductive plastic
- color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 14900**

Article	Dimensions outside/inside LxWxH [mm]	Shipping Unit	
	<b>Hinged lid boxes with snap lock</b>		
032.20.200	34 x 34 x 8    32 x 32 x 8	100	
032.20.201	58 x 42 x 10    55 x 39 x 10	100	
032.20.202	68 x 50 x 13    66 x 47 x 13	100	
032.20.203	95 x 70 x 17    92 x 65 x 17	100	
032.20.204	115 x 85 x 26    111 x 78 x 26	100	
032.20.205	138 x 102 x 30    134 x 95 x 30	100	

- foam inserts available on request -

## Stackable hinged lid boxes



Stackable hinged lid boxes

- electrostatically volume conductive plastic
- Color: black

In compliance with ESD standard

DIN EN 61340-5-1 

**dpvlink 650**

Article    Dimensions inside LxWxH [mm]

### Stackable hinged lid boxes

032.200.1	75 x 50 x 33
032.200	75 x 50 x 45
032.201	106 x 75 x 46
032.202	156 x 106 x 46



## Hinged lid box type FTB

**WEZ** 



ESD hinged lid boxes type FTB black made of polypropylene. Box and lid made from a single piece, with snap lock and hinge for packing electronic components safety and firmly.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 26392**

Article    Dimensions inside LxWxH [mm]

### Hinged lid box type FTB

032.350	Hinged lid box 136 x 87 x 19 mm	130 x 80 x 14
032.351	Hinged lid box 136 x 87 x 35 mm	130 x 80 x 30
032.352	Hinged lid box 136 x 87 x 55 mm	130 x 80 x 50
032.353	Hinged lid box 180 x 140 x 80 mm	178 x 133 x 78
032.354	Hinged lid box 225 x 125 x 60 mm	221 x 121 x 55
032.355	Hinged lid box 118 x 78 x 20 mm	90 x 50 x 15
032.356	Hinged lid box 190 x 112 x 20 mm	162 x 95 x 15



## Rectangular boxes with lid



Rectangular boxes with slip lid made of electrostatically volume conductive plastic, black

In compliance with ESD standard DIN EN 61340-5-1

Application example

**dpvlink 652**

Article    Dimensions inside [mm] LxWxH

### Rectangular boxes with lid

032.050	50 x 30 x 16	
032.055	57 x 36 x 17	
032.070	80 x 50 x 27	
032.080	75 x 75 x 27	Minimum quantity on request
032.085	102 x 85 x 47	Minimum quantity on request
032.040	49.5 x 39.5 x 5	



## Rectangular compartment box with lid



Rectangular compartment box with slip lid made of electrostatically volume conductive plastic, black

In compliance with ESD standard DIN EN 61340-5-1

**dpvlink 654**

Article    Dimensions inside LxWxH [mm]    Dimensions cavities    Cavities

### Rectangular compartment box with lid

032.090	55 x 45 x 7	19x15x5 mm	6
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Service boxes / suitcases

Service boxes / suitcase



Service boxes / suitcase made of PP, color black.

dpvlink 1402

Article Type



050.2700  
**ESD professional service box 15**  
with 15 fixed compartments, slide closures  
Dimensions: 260 x 340 x 57 mm / DxWxH



050.2701  
**ESD professional service box 32**  
with 32 fixed compartments (45 x 40 x 55 mm),  
slide closures  
Dimensions: 260 x 340 x 57 mm / DxWxH



050.2702  
**ESD professional service box without partition**  
with slide closures and handle  
Dimensions: 265 x 340 x 57 mm / DxWxH  
Partitions for professional service box: see compartment inserts art.  
050.2530 050.2545

SMD Small parts containers ESD

SMD Laboratory kits/magazine

SMD laboratory kit (not conductive)



dpvlink 784

Article Type



038.010 **SMD packaging set 1**  
with 60 single boxes and foam grid  
External dimensions 161 x 121 x 30 mm

038.015 **SMD packaging set 2**  
with 130 single boxes and foam grid  
External dimensions 227 x 168 x 30 mm

SMD Magazine



SMD magazine with 6 drawers and inserts each with 32 cavities (18 x 12 mm), electrically conductive and crystal-clear, easily removable lids that can be labeled

dpvlink 5139

Article Type



038.025 **SMD magazine, electrically conductive**  
(Lid crystal-clear, not conductive)  
External dimensions 186 x 114 x 128 mm

SMD Round boxes / complete cabinets

SMD Round boxes



SMD round boxes 27 x 13 mm, with lid

Version conductive = electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 5144

Article Type



045.048.SMD **SMD round box, conductive black**

045.053.SMD **SMD round box, conductive**  
Lid transparent (with conductive layer)

045.053.NL[...] **SMD round box (not conductive)**  
Lid: transparent  
Base: [white, yellow, green, blue, red]

For suitable inserts see dpvlink 4473 and dpvlink 4533

Complete cabinets with SMD round boxes



**Complete cabinets size 1.0 - conductive, with SMD round boxes**  
(Drawer inside 261 x 238 x 20 mm)

electrostatically volume conductive  
In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 5225

Article Type



045.045.SMD **Cabinet 6 drawers, conductive**  
with 6 inserts and 252 round boxes (27 x 13 mm)

045.046.SMD **Cabinet 3 drawers, conductive**  
with 3 inserts and 126 round boxes (27 x 13 mm)

045.050.SMD **Cabinet 6 drawers, conductive / LS**  
with 6 inserts and 252 round boxes (27 x 13 mm) (lid transparent with conductive layer)

Complete cabinets with SMD round boxes



**Complete cabinet - size 2.0 - conductive, SMD round boxes**  
(Drawer inside 340 x 250 x 22 mm)

electrostatically volume conductive  
In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 5235

Article Type



046.141.SMD **Cabinet 3 drawers, conductive**  
with 3 inserts and 180 round boxes (27 x 13 mm)

**SMD Folding boxes**

For a clear and ready-to-hand storage respectively provision of SMD components. The lids can be easily exchanged, stay open independently and can be closed by spring pressure. Labels for inscription can be simply affixed. The new SMD folding boxes can be exactly integrated into the racks size 2.0.

**SMD Folding boxes, conductive**



SMD folding boxes, electrostatically conductive volume

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 791**



Article	Type
<b>SMD folding boxes - base + lid black</b>	
038.401	<b>Size N1 (small), conductive</b> Internal dimensions: 12 x 16 x 15 mm External dimensions: 30 x 22 x 20 mm
038.402	<b>Size N2 (medium), conductive</b> Internal dimensions: 12 x 37 x 15 mm External dimensions: 30 x 43 x 20 mm
038.403	<b>Size N3 (large), conductive</b> Internal dimensions: 41 x 37 x 15 mm External dimensions: 58 x 43 x 20 mm
038.404	<b>Size N4 (maxi), conductive</b> Internal dimensions: 68 x 57 x 15 mm External dimensions: 86 x 63 x 20 mm
<b>SMD folding boxes - base black, lid transparent with conductive layer</b>	
038.411	<b>Size N1 (small), conductive/LS</b> Internal dimensions: 12 x 16 x 15 mm External dimensions: 30 x 22 x 20 mm
038.412	<b>Size N2 (medium), conductive/LS</b> Internal dimensions: 12 x 37 x 15 mm External dimensions: 30 x 43 x 20 mm
038.413	<b>Size N3 (large), conductive/LS</b> Internal dimensions: 41 x 37 x 15 mm External dimensions: 58 x 43 x 20 mm
038.414	<b>Size N4 (maxi), conductive/LS</b> Internal dimensions: 68 x 57 x 15 mm External dimensions: 86 x 63 x 20 mm

**Complete cabinets with SMD folding boxes**  

**Complete cabinet - size 2.0 - conductive, SMD folding boxes**  
(Drawer inside 340 x 250 x 22 mm) electrostatically volume conductive  
In compliance with ESD standard DIN EN 61340-5-1 

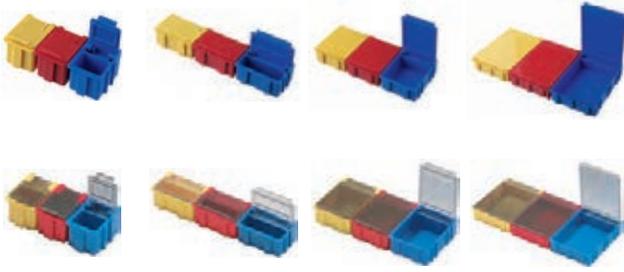


**dpvlink 5241**



Article	Type
<b>Complete cabinets with SMD folding boxes (base + lid black)</b>	
046.130.MIX	<b>Cabinet 4 drawers, conductive</b> complete with: 144 folding boxes N1 art. 038.401 72 folding boxes N2 art. 038.402 36 folding boxes N3 art. 038.403 16 folding boxes N4 art. 038.404
046.130.1	<b>Cabinet 3 drawers, conductive</b> with 3 x 144 (432) folding boxes N1 art. 038.401, black
046.130.2	<b>Cabinet 3 drawers, conductive</b> with 3 x 72 (216) folding boxes N2 art. 038.402, black
046.130.3	<b>Cabinet 3 drawers, conductive</b> with 3 x 36 (108) folding boxes N3 art. 038.403, black
046.130.4	<b>Cabinet 3 drawers, conductive</b> 3 x 16 (48) folding boxes N4 art. 038.404, black
<b>Complete cabinets with SMD folding boxes (base black, lid transparent with conductive layer)</b>	
046.130.MIX-LS	<b>Cabinet 4 drawers, conductive LS</b> complete with: 144 folding boxes N1/LS art. 038.411 72 folding boxes N2/LS art. 038.412 36 folding boxes N3 / LS art. 038.413 16 folding boxes N4/LS art. 038.414
046.130.1-LS	<b>Cabinet 3 drawers, conductive LS</b> with 3 x 144 (432) folding boxes N1/LS art. 038.411, black
046.130.2-LS	<b>Cabinet 3 drawers, conductive LS</b> with 3 x 72 (216) folding boxes N2/LS art. 038.412, black
046.130.3-LS	<b>Cabinet 3 drawers, conductive LS</b> with 3 x 36 (108) folding boxes N3/LS art. 038.413, black
046.130.4-LS	<b>Cabinet 3 drawers, conductive LS</b> with 3 x 16 (48) folding boxes N4/LS art. 038.414, black

SMD Folding boxes (dissipative)



SMD folding boxes, electrostatically dissipative  
In compliance with ESD standard DIN EN 61340-5-1

dpwlink 6755

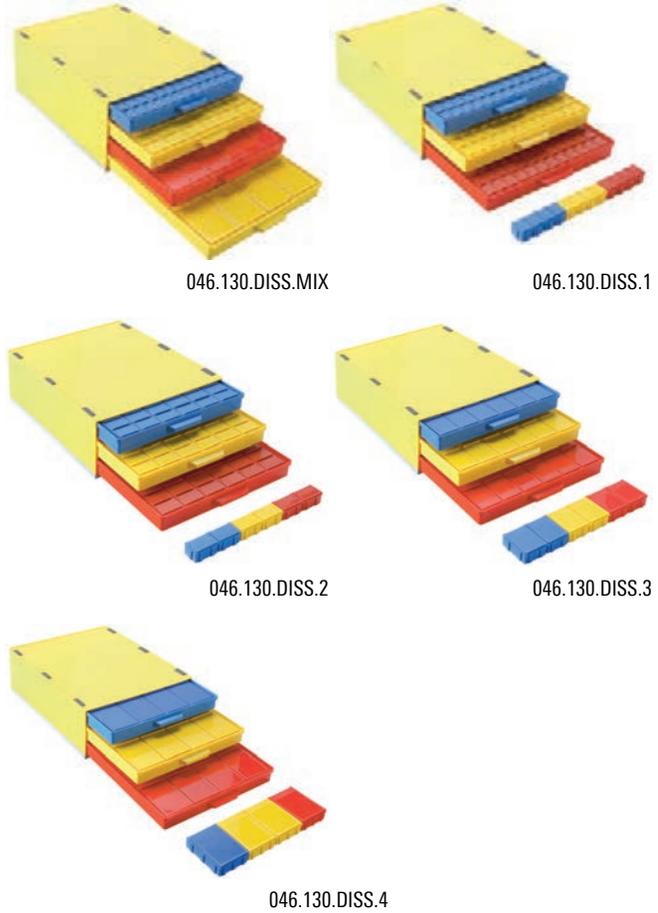


Article	Type
	<b>SMD folding boxes - lid + base colored: [yellow, red, blue]</b>
038.421.[...]	<b>Size N1 (small), dissipative</b> Internal dimensions: 12 x 16 x 15 mm External dimensions: 30 x 22 x 20 mm
038.422.[...]	<b>Size N2 (medium), dissipative</b> Internal dimensions: 12 x 37 x 15 mm External dimensions: 30 x 43 x 20 mm
038.423.[...]	<b>Size N3 (large), dissipative</b> Internal dimensions: 41 x 37 x 15 mm External dimensions: 58 x 43 x 20 mm
038.424.[...]	<b>Size N4 (maxi), dissipative</b> Internal dimensions: 68 x 57 x 15 mm External dimensions: 86 x 63 x 20 mm
	<b>SMD folding boxes - base colored: [yellow, red, blue] + lid transparent with conductive layer</b>
038.441.[...]	<b>Size N1 (small), dissipative / LS</b> Internal dimensions: 12 x 16 x 15 mm External dimensions: 30 x 22 x 20 mm
038.442.[...]	<b>Size N2 (medium), dissipative / LS</b> Internal dimensions: 12 x 37 x 15 mm External dimensions: 30 x 43 x 20 mm
038.443.[...]	<b>Size N3 (large), dissipative / LS</b> Internal dimensions: 41 x 37 x 15 mm External dimensions: 58 x 43 x 20 mm
038.444.[...]	<b>Size N4 (maxi), dissipative / LS</b> Internal dimensions: 68 x 57 x 15 mm External dimensions: 86 x 63 x 20 mm

Complete cabinets with SMD folding boxes (dissipative)



Complete cabinets - size 2.0 - dissipative, SMD folding boxes  
(Drawer inside 340 x 250 x 22 mm) electrostatically dissipative  
In compliance with ESD standard DIN EN 61340-5-1



dpwlink 10615



Article	Type
	<b>Complete cabinets with SMD folding boxes (base + lid colored)</b>
046.130.DISS.MIX	<b>Cabinet 4 drawers, dissipative</b> complete with: 144 folding boxes N1 dissipative art. 038.421 72 folding boxes N2 dissipative art. 038.422 36 folding boxes N3 dissipative art. 038.423 16 folding boxes N4 dissipative art. 038.424
046.130.DISS.1	<b>Cabinet 3 drawers, dissipative</b> with 3 x 144 (432) folding boxes N1 dissipative art. 038.421, yellow/blue/red
046.130.DISS.2	<b>Cabinet 3 drawers, dissipative</b> with 3 x 72 (216) folding boxes N2 dissipative art. 038.422, yellow/blue/red
046.130.DISS.3	<b>Cabinet 3 drawers, dissipative</b> with 3 x 36 (108) folding boxes N3 dissipative art. 038.423, yellow/blue/red
046.130.DISS.4	<b>Cabinet 3 drawers, dissipative</b> with 3 x 16 (48) folding boxes N4 dissipative art. 038.424, yellow/blue/red
	<b>Complete cabinets with SMD folding boxes (base colored, lid transparent with conductive layer)</b>
046.130.DISS.MIX-LS	<b>Cabinet 4 drawers, dissipative LS</b> complete with: 144 folding boxes N1 dissipative/LS art. 038.441 72 folding boxes N2 dissipative/LS art. 038.442 36 folding boxes N3 dissipative/LS art. 038.443 16 folding boxes N4 dissipative/LS art. 038.444
046.130.DISS.1-LS	<b>Cabinet 3 drawers, dissipative LS</b> with 3 x 144 (432) folding boxes N1 dissipative/LS art. 038.441, yellow/blue/red
046.130.DISS.2-LS	<b>Cabinet 3 drawers, dissipative LS</b> with 3 x 72 (216) folding boxes N2 dissipative/LS art. 038.442, yellow/blue/red
046.130.DISS.3-LS	<b>Cabinet 3 drawers, dissipative LS</b> with 3 x 36 (108) folding boxes N3 dissipative/LS art. 038.443, yellow/blue/red
046.130.DISS.4-LS	<b>Cabinet 3 drawers, dissipative LS</b> with 3 x 16 (48) folding boxes N4 dissipative/LS art. 038.444, yellow/blue/red

**SMD Folding boxes, conductive/dissipative**  



**black:** conductive / **yellow:** dissipative

In compliance with the ESD standard DIN EN 61340-5-1 

**dpvlink 14915** 

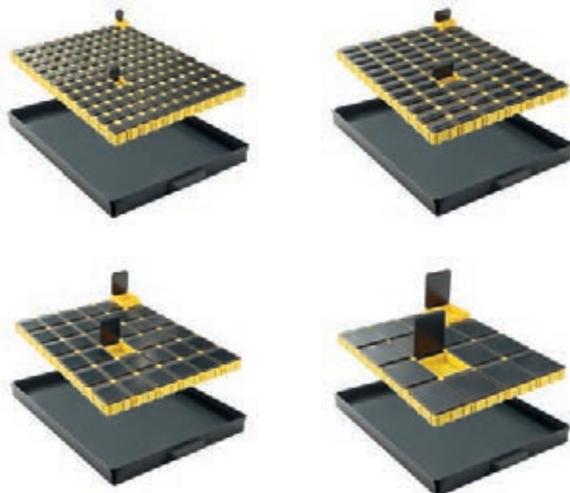
Article	Type
<b>SMD folding boxes - base yellow, lid black</b>	
038.451	<b>Size N1 (small), dissipative/conductive</b> Internal dimensions: 12 x 16 x 15 mm External dimensions: 30 x 22 x 20 mm
038.452	<b>Size N2 (medium), conductive/dissipative</b> Internal dimensions: 12 x 37 x 15 mm External dimensions: 30 x 43 x 20 mm
038.453	<b>Size N3 (large), dissipative/conductive</b> Internal dimensions: 41 x 37 x 15 mm External dimensions: 58 x 43 x 20 mm
038.454	<b>Size N4 (maxi), conductive/dissipative</b> Internal dimensions: 68 x 57 x 15 mm External dimensions: 86 x 63 x 20 mm
<b>SMD folding boxes - base black, lid yellow</b>	
038.461	<b>Size N1 (small), conductive/dissipative</b> Internal dimensions: 12 x 16 x 15 mm External dimensions: 30 x 22 x 20 mm
038.462	<b>Size N2 (medium), conductive/dissipative</b> Internal dimensions: 12 x 37 x 15 mm External dimensions: 30 x 43 x 20 mm
038.463	<b>Size N3 (large), conductive/dissipative</b> Internal dimensions: 41 x 37 x 15 mm External dimensions: 58 x 43 x 20 mm
038.464	<b>Size N4 (maxi), conductive/dissipative</b> Internal dimensions: 68 x 57 x 15 mm External dimensions: 86 x 63 x 20 mm

**Drawers with SMD folding boxes**  

**Complete drawers - size 2.0 - conductive, with SMD folding boxes**  
(Drawer inside 340 x 250 x 22 mm)

**black:** conductive / **yellow:** dissipative

In compliance with ESD standard DIN EN 61340-5-1 



**dpvlink 14924** 

Article	Type
046.161	<b>Drawer black (conductive)</b> with 144 folding boxes N1 art. 038.451
046.162	<b>Drawer black (conductive)</b> with 72 folding boxes N2 art. 038.452
046.163	<b>Drawer black (conductive)</b> with 36 folding boxes N3 art. 038.453
046.164	<b>Drawer black (conductive)</b> with 16 folding boxes N4 art. 038.454

**ESD Drawer cabinets**

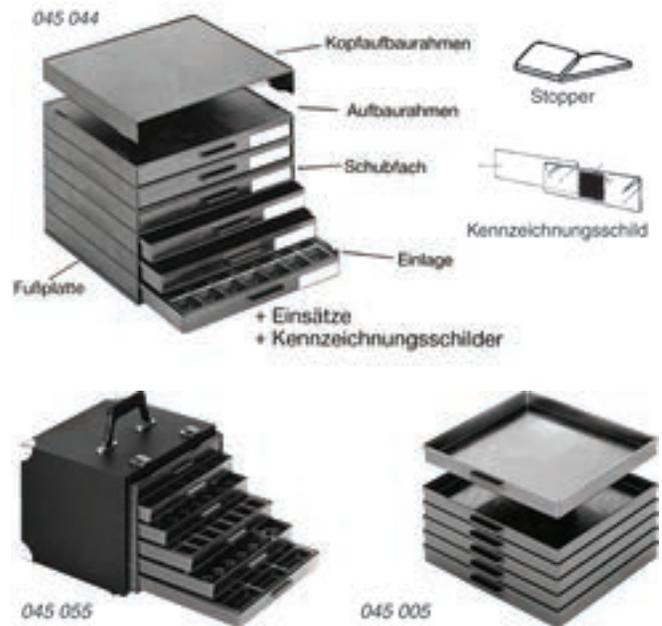
**Drawer cabinet size 1**

**Drawer cabinet size 1**  

Drawer dimensions (inside): 261 x 238 x 20 mm  
electrostatically volume conductive, black

In compliance with ESD standard DIN EN 61340-5-1 

- not conductive (NC), available on request



**dpvlink 4379** 

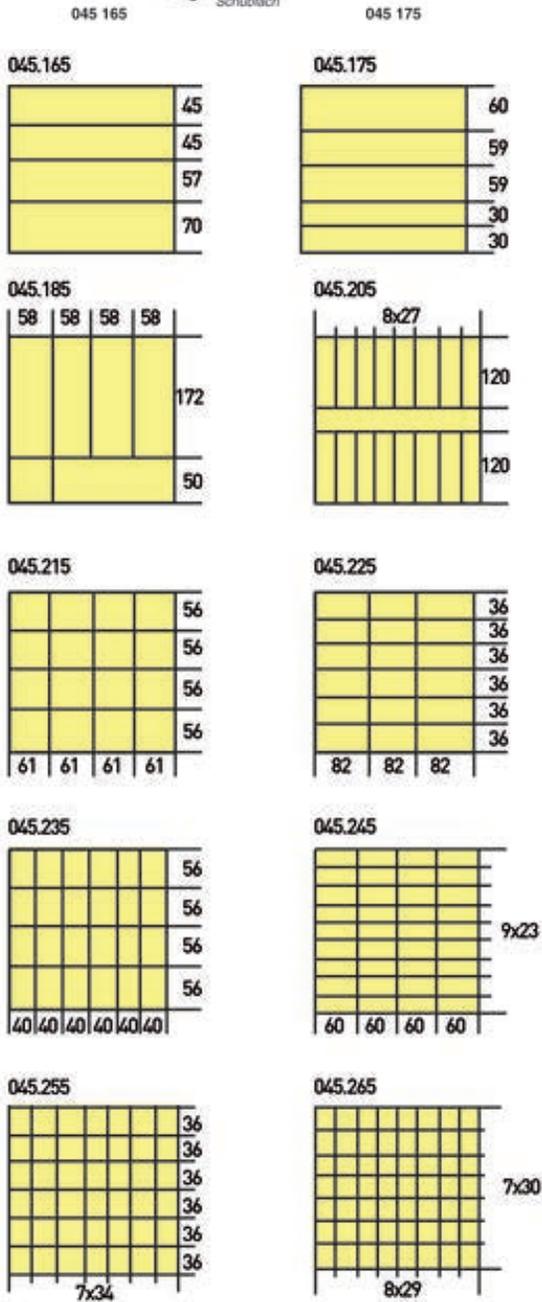
Article	Type
<b>Drawer cabinet size 1</b>	
045.005	<b>Drawer size 1</b> conductive, black
045.015	<b>Mounting frame size 1</b> conductive, black
045.025	<b>Top mounting frame</b> conductive, black
045.035	<b>Base plate size 1</b> conductive, black
045.020	<b>Conductive lid for drawer size 1</b>
046.349	<b>Stopper for drawer stop</b> self-adhesive
045.042	<b>Identification labels</b> self-adhesive, 70 x 17 mm, with removable labels
045.044	<b>6-drawer cabinet size 1</b> conductive, black
045.055	<b>Drawer suitcase size 1</b> conductive, 6-drawer cabinet incl. carrying case, as suitcase

**Inserts for drawer size 1**



vacuum-formed, interior depth 16 mm

- electrostatically volume conductive, black
- not conductive (NC), white, available on request



dpvlink 4473

Article	Type
<b>Inserts for drawer size 1</b>	
045.165	Insert 4 compartments, conductive
045.185	Insert 6 compartments, conductive
045.205	Insert 16 compartments, conductive
045.215	Insert 16 compartments, conductive
045.225	Insert 18 compartments, conductive
045.235	Insert 24 compartments, conductive
045.245	Insert 36 compartments, conductive
045.255	Insert 42 compartments, conductive
045.265	Insert 56 compartments, conductive
045.155	Insert for 42 round boxes 27 x 13 mm, conductive (without figure)

**Drawer cabinet size 2.0**



**Drawer cabinet size 2.0**

Drawer dimensions (inside): 340 x 250 x 22 mm, can be combined with drawer cabinet size 2.1 and size 3.0, electrostatically conductive volume, black

In compliance with ESD standard DIN EN 61340-5-1

- not conductive (NC), available on request



dpvlink 4493



Article	Type
<b>Drawer cabinet size 2.0</b>	
046.105	Drawer size 2.0, conductive, black
046.115	Mounting frame size 2.0, conductive, black
046.320	Lid for drawer - size 2.0/2.1/3.0 conductive, black
046.325	Base plate, conductive, black
046.335	Plugs, conductive, black (1 Set = 6 pieces)
046.350.0	Identification labels, self-adhesive 70 x 17 mm, with removable labels
046.130	3-drawer cabinet size 2.0, conductive, black
046.131	6-drawer cabinet size 2.0, conductive, black
046.135	9-drawer cabinet size 2.0, conductive, black
046.155	Carry size 2.0, conductive 9-drawer cabinet, incl. carrying frame
046.150	Drawer box size 2.0, conductive 9-drawer cabinet, incl. carrying case as drawer box

**Insert for drawer size 2.0**



vacuum-formed, interior depth 17 mm

- electrostatically volume conductive, black 
- not conductive (NC), white available on request



046.173

046.174

046.175



**dpvlink 4533**



Article	Type
<b>Insert for drawer size 2.0</b>	
046.173	Insert 81 compartments, conductive
046.174	Insert 45 compartments, conductive
046.175	Insert 42 compartments, conductive
046.180	Insert 30 compartments, conductive
046.185	Insert 25 compartments, conductive
046.195	Insert 16 compartments, conductive
046.196	Insert 12 compartments, conductive
046.197	Insert 8 compartments, conductive
046.198	Insert 14 cavities, conductive
046.171	Insert for 60 round boxes 27 x 13 mm, conductive (without figure)

**Drawer cabinet size 2.1**

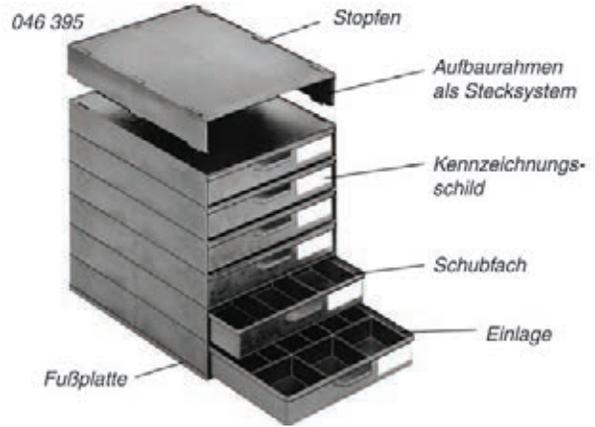


**Drawer cabinet size 2.1**

Drawer dimensions (inside): 340 x 250 x 40 mm, can be combined with drawer cabinet size 2.0 and size 3.0, electrostatically volume conductive, black

In compliance with ESD standard DIN EN 61340-5-1 

- not conductive (NC), available on request



**dpvlink 4585**



Article	Type
<b>Drawer cabinet size 2.1</b>	
046.305	Drawer size 2.1, conductive, black
046.315	Mounting frame size 2.1, conductive, black
046.350	Identification labels, self-adhesive 70 x 25 mm, with removable labels
046.395	6-drawer cabinet size 2.1, conductive, black incl. drawers
046.405	Carry size 2.1, conductive 6-drawer cabinet, incl. carrying frame

**Service cabinet**



Drawer internal dimensions: 340 x 250 x 40 mm

Each with 2 drawers:

- Art. 046.550 with 24 compartments
- Art. 046.552 with 12 compartments
- Art. 046.553 with 6 compartments



electrostatically volume conductive, black  
In compliance with ESD standard

DIN EN 61340-5-1 

**dpvlink 7040**



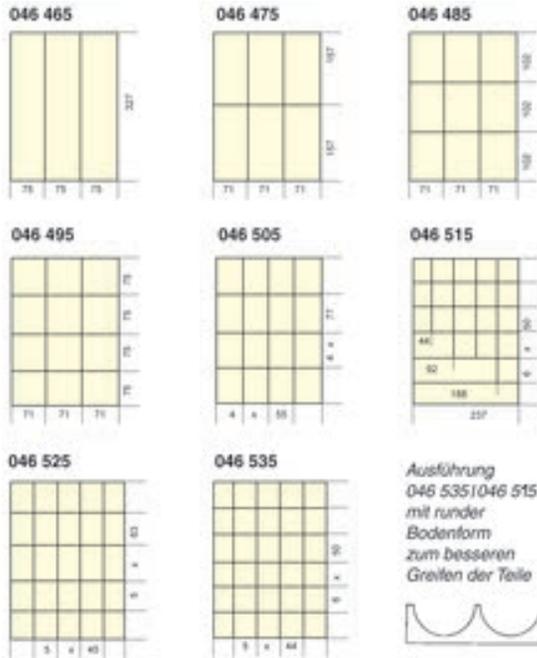
Article	Type
046.410	Service cabinet

## Inserts for drawer size 2.1



vacuum-formed, interior depth 35 mm

- electrostatically volume conductive, black
- not conductive (NC), white available on request



dpvlink 4981

Article Type

### Inserts for drawer size 2.1

046.465	Insert 3 compartments, conductive
046.475	Insert 6 compartments, conductive
046.485	Insert 9 compartments, conductive
046.495	Insert 12 compartments, conductive
046.505	Insert 16 compartments, conductive
046.515	Insert 22 compartments, conductive
046.525	Insert 25 compartments, conductive
046.535	Insert 30 compartments, conductive

## Loose inserts for drawers size 2.1



dpvlink 4992

Article Type



046.550  
**Insert, conductive, black 59 x 53 x 31 mm**  
Dimensions outside: 62 x 56 x 33 mm  
Dimensions inside: 59 x 53 x 31 mm  
max. 24 compartments per drawer



046.551  
**Insert, conductive, black 106 x 38 x 34 mm**  
Dimensions outside: 110 x 42 x 35 mm  
Dimensions inside: 106 x 38 x 34 mm  
max. 18 compartments per drawer



046.552  
**Insert, conductive, black 109 x 59 x 31 mm**  
Dimensions outside: 112 x 62 x 33 mm  
Dimensions inside: 109 x 59 x 31 mm  
max. 12 compartments per drawer



046.553  
**Insert, conductive, black 121 x 109 x 31 mm**  
Dimensions outside: 124 x 112 x 33 mm  
Dimensions inside: 121 x 109 x 31 mm  
max. 6 compartments per drawer

## Drawer cabinet size 3.0

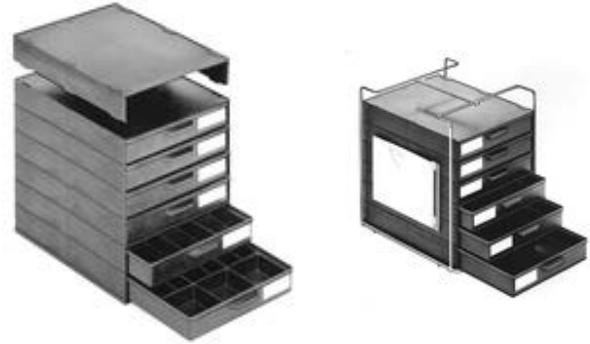


### Drawer cabinet size 3.0

Drawer dimensions (inside): 340 x 250 x 62 mm  
combinable with drawer cabinet size 2.0 and size 2.1

In compliance with the ESD standard DIN EN 61340-5-1

- not conductive (NL) available on request



dpvlink 5010

Article Type

047.605	<b>Drawer size 3.0, conductive, black</b>
047.615	<b>Mounting frame size 3.0, conductive, black</b>
047.640	<b>4-drawer cabinet size 3.0, conductive, black</b>
047.655	<b>Carry size 3.0, conductive</b> 4-drawer cabinet incl. carrying frame

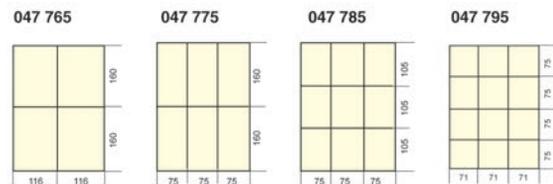


## Inserts for drawer size 3.0



vacuum-formed, interior depth 53 mm

- electrostatically volume conductive, black
- not conductive (NL), white available on request



dpvlink 5034

Article Type

047.765	Insert 4 compartments, conductive
047.775	Insert 6 compartments, conductive
047.785	Insert 9 compartments, conductive
047.795	Insert 12 compartments, conductive



## Loose inserts for drawers size 3.0

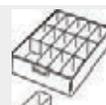


dpvlink 5127

Article Type



047.800  
**Insert, conductive, black 53 x 47 x 52 mm**  
Dimensions outside: 56 x 50 x 54 mm  
Dimensions inside: 53 x 47 x 52 mm  
max. 30 compartments per drawer



047.801  
**Insert, conductive, black 109 x 47 x 52 mm**  
Dimensions outside: 113 x 50 x 54 mm  
Dimensions inside: 109 x 47 x 52 mm  
max. 15 compartments per drawer



047.802  
**Insert, conductive, black 121 x 109 x 52 mm**  
Dimensions outside: 125 x 113 mm x 54 mm  
Dimensions inside: 121 x 109 x 52 mm  
max. 6 compartments per drawer



## Rollboys

### ESD Rollboy Single



With integrated drawer cabinets, working surface with ESD table mat, discharge is provided by conductive castors

Dimensions: 365 x 318 x 806 mm / DxWxH  
 Drawers internal dimensions: 340 x 250 x 22/40/60 mm / DxWxH

In compliance with ESD standard DIN EN 61340-5-1 



Rollboy Single 4      Rollboy Single 1      Rollboy Single 2

dpvlink 5684



Article	Type
048.114	<b>ESD Rollboy Single 4, conductive</b> with 18 drawers - size 2.0 - Internal dimensions 340 x 250 x 22 mm, black
048.111	<b>ESD Rollboy Single 1, conductive</b> with 12 drawers - size 2.1 - Internal dimensions 340 x 250 x 40 mm, black
048.112	<b>ESD Rollboy Single 2, conductive</b> with 8 drawers - size 3.0 - Internal dimensions 340 x 250 x 62 mm, black

Inserts, identification labels, stoppers for drawers: see Drawer cabinets

### ESD Rollboy



With integrated drawer cabinets, working surface with ESD table mat, discharge is provided by conductive castors

Dimensions: 365 x 585 x 806 mm / DxWxH  
 Drawers internal dimensions: 340 x 250 x 22/40/60 mm / DxWxH

In compliance with ESD standard DIN EN 61340-5-1 



EGB-Rollboy 4      EGB-Rollboy 1      EGB-Rollboy 2

dpvlink 5676



Article	Type
048.104	<b>ESD Rollboy 4, conductive</b> with 36 drawers - size 2.0 - Internal dimensions 340 x 250 x 22 mm, black
048.101	<b>ESD Rollboy 1, conductive</b> with 24 drawers - size 2.1 - Internal dimensions 340 x 250 x 40 mm, black
048.102	<b>ESD Rollboy 2, conductive</b> with 16 drawers - size 3.0 - Internal dimensions 340 x 250 x 62 mm, black

Inserts, identification labels, stopper for drawers: see mounting frame

## ESD cabinets

### Small parts storage TRESTON series A290/550

Ideal elements for a space-saving storage. The cabinets can be individually mounted on the wall or combined in the practical rotating rack. The drawers are made of conductive polystyrene, the shelves of galvanized steel. With plug for grounding wire.

In compliance with ESD standard DIN EN 61340-5-1 

### Cabinets series A290 (180 x 310 x 290)



Cabinet dimensions: 180 x 310 x 290 mm / DxWxH

dpvlink 5256



Article	Type
050.005	<b>ESD cabinet A290 with 24 drawers</b> Art. 050.105 (170 x 69 x 40 mm/DxWxH)
050.010	<b>ESD cabinet A290 with 12 drawers</b> Art. 050.110 (170 x 92 x 62 mm/DxWxH)

### Cabinets series A550 (180 x 310 x 550)



Cabinet dimensions: 180 x 310 x 550 mm / DxWxH

dpvlink 5264



Article	Type
050.015	<b>ESD cabinet A550 with 48 drawers</b> Art. 050.105 (170 x 69 x 40 mm/DxWxH)
050.020	<b>ESD cabinet A550 with 24 drawers</b> Art. 050.110 (170 x 92 x 62 mm/DxWxH)

Accessories for series A290 / A550



dpvlink 5267

Article	Type
050.060.A	<b>Rotating table rack ESD for 2 magazines A290/550 series</b> Dimensions: 310 x 360 x 300/560 mm / DxWxH
050.105	<b>Single drawer ESD 170 x 69 x 40 mm/DxWxH</b> 170 x 69 x 40 mm/DxWxH
050.107	<b>Partition wall ESD, transverse for art. 050.105</b> for art. 050.105
050.110	<b>Single drawer ESD 170 x 92 x 62 mm/DxWxH</b> 170 x 92 x 62 mm/DxWxH
050.112	<b>Partition wall ESD, transverse for art. 050.110</b> for art. 050.110



Racks for series A550



Floor rack ESD for 12 cabinets of series A550  
050.045.A

dpvlink 6798

Article	Type
050.045.A	<b>Rotating floor rack ESD for 12 magazines of series A550</b> Dimensions: 500 x 500 x 1730 mm / DxWxH



Trolley for small part magazines series A550



- trolley can be equipped on both sides
- 4 ESD swivel castors with a diameter of 100 mm, two with brake
- easy to manoeuvre with height-adjustable ergonomic handle
- lower shelf of steel as standard
- color: light grey (RAL7035)
- dimensions (WxDxH): 780 x 715 x 1600 mm
- load capacity max.: 300 kg
- suitable for 8 magazines of the series (art. 050.015 / 050.020 - magazines must be ordered separately)

dpvlink 22753

Article	Type
BT-550B.ESD	<b>Trolley two-sided ESD</b> load capacity approx. 300 kg



Drawer cabinets TRESTON series B300/C400

Drawer cabinets for flexible, space- and cost-saving small parts storage. Two frame sizes, four drawer sizes. Can be individually mounted on the wall, freely positioned, stacked or combined in the practical rotating floor rack. With plug for grounding wire.

In compliance with ESD standard DIN EN 61340-5-1

Single drawers and partition walls: see drawers/storage containers ESD

Cabinets series B300 (300 x 400 x 395)



Cabinet dimensions: 300 x 400 x 395 mm / DxWxH

dpvlink 5280

Article	Type
050.025	<b>ESD cabinet B300, with 16 drawers</b> Art. 050.115 (300 x 92 x 82 mm/DxWxH)
050.030	<b>ESD cabinet B300, with 8 drawers</b> Art. 050.120 (300 x 186 x 82 mm/DxWxH)



Cabinets series C400 (400 x 400 x 395)



Cabinet dimensions: 400 x 400 x 395 mm / DxWxH

dpvlink 5286

Article	Type
050.035	<b>ESD cabinet C400, with 16 drawers</b> Art. 050.125 (400 x 92 x 82 mm/DxWxH)
050.040	<b>ESD cabinet C400, with 8 drawers</b> Art. 050.130 (400 x 186 x 82 mm/DxWxH)



Rotating floor rack for series B300 / C400



for 16 cabinets of series B300 / C400

dpvlink 5283

Article	Type
050.050.B	<b>Rotating floor rack ESD for 16 cabinets B300 series</b> Dimensions: 700 x 700 x 1680 mm / DxWxH
050.055.C	<b>Rotating floor rack ESD for 16 cabinets of series C400</b> Dimensions: 800 x 800 x 1680 mm / DxWxH



## Drawer cabinets TRESTON series D600

### Cabinets series D600 (D410 x W605 x H870)



In the large ESD drawer cabinets max. 336 different products can be stored on an area of only 0.2 m<sup>2</sup>. The grey, powder-coated metal frame contains 48 or 24 drawers with labels. The drawers can be freely positioned in the room.

In compliance with ESD standard DIN EN 61340-5-1 

Single drawers and partition walls: see drawers/storage containers ESD

**Cabinet dimensions: 410 x 605 x 870 mm / DxWxH**

**dpvlink 5290**

Article	Type
050.036	<b>ESD cabinet D600, with 48 drawers</b> Art. 050.125 (400 x 92 x 82 mm/DxWxH)
050.041	<b>ESD cabinet D600, with 24 drawers</b> Art. 050.130 (400 x 186 x 82 mm/DxWxH)
050.043	<b>ESD castor set for cabinets series D600</b> 4 swivel castors ø 100 mm, 2 conductive and 2 with locks

## Drawer cabinets Raaco

Practical and flexible small parts storage cabinets can be positioned in a space- and cost-saving manner. Drawer cabinets type Raaco with galvanized steel frame and electrically conductive plastic drawers.

In compliance with ESD standard DIN EN 61340-5-1 

### Cabinets series 900



**Cabinet dimensions: 150 x 307 x 420 mm / DxWxH**

**dpvlink 1038**

Article	Type
050.945	<b>ESD cabinet 945, with 45 drawers</b> Type 150-00 (Dxwxh 135 x 52 x 35 mm)
050.936	<b>ESD cabinet 936, with 36 drawers</b> 36 pcs type 150-01 (DxWxH 135 x 64 x 35 mm)
050.918	<b>ESD cabinet 918, with 18 drawers</b> 18 pcs type 150-02 (DxWxH 135 x 87 x 57 mm)

## Rotating tower (empty) for cabinets series 900



- for 12 ESD drawer cabinets
- incl. grounding cable
- dimensions (DxWxH) 470 x 470 x 1600 mm
- load capacity max. 280 kg
- suitable for magazines, drawers and partitions of 900 series

**dpvlink 1067**

Article	Type
050.900-DC	<b>Rotating tower ESD, for 12 cabinets of series 900</b> Dimensions: 470 x 470 x 1600 mm / DxWxH

## Cabinets series 1200



**Cabinet dimensions: 150 x 307 x 555 mm / DxWxH**

**dpvlink 1074**

Article	Type
050.1260	<b>ESD cabinet 1260, with 60 drawers</b> 60 pcs type 150-00 (DxWxH 135 x 52 x 35 mm)
050.1248	<b>ESD cabinet 1248, with 48 drawers</b> 48 pcs type 150-01 (DxWxH 135 x 64 x 35 mm)
050.1224	<b>ESD cabinet 1224, with 24 drawers</b> 24 pcs type 150-02 (DxWxH 135 x 87 x 57 mm)

## Rotating tower (empty) for cabinets series 1200



- for 12 ESD drawer cabinets
- incl. grounding cable
- dimensions (DxWxH) 470 x 470 x 1760 mm
- load capacity max. 480 kg
- suitable for magazines, drawers and partitions of 1200 series

**dpvlink 1069**

Article	Type
050.1200-DC	<b>Rotating tower ESD (empty) for 12 cabinets of series 1200</b> Dimensions: 470 x 470 x 1760 mm / DxWxH

**Drawers + partition walls for cabinets  
900 / 1200 series**



**dpvlink 1378** Article Type



050.900  
**Drawer ESD type 150-00**  
135 x 52 x 35 mm / DxWxH

050.900.T  
**Partition wall ESD, transverse for drawer type 150-00**  
Set = 60 pieces



050.901  
**Drawer ESD type 150-01**  
135 x 64 x 35 mm / DxWxH

050.901.T  
**Partition wall ESD, transverse for drawer type 150-01**  
Set = 48 pieces



050.902  
**Drawer ESD type 150-02**  
135 x 87 x 57 mm / DxWxH

050.902.T  
**Partition wall ESD, transverse for drawer type 150-02**  
Set = 24 pieces

**Cabinets series 250**



Practical and flexible small part storage cabinets can be positioned in a space- and cost-saving manner.

Drawer cabinet type Raaco with galvanized steel frames and electrostatically conductive plastic drawers.

**Cabinet dimensions: 250 x 360 x 440 mm / DxWxH**

**dpvlink 1392** Article Type



050.2500  
**ESD cabinet, 6 drawers**  
6 pcs type 250-3 (DxWxH 240 x 320 x 50 mm)

**Rotating tower (empty) for cabinets  
series 250**



- for 12 ESD drawer cabinets
- incl. grounding cable
- dimensions (DxWxH) 620 x 620 x 1600 mm
- load capacity max. 480 kg
- suitable for magazines of series 250 and drawers type 250-3

**dpvlink 1396** Article Type

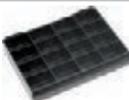


050.2500-DC  
**Rotating tower ESD (empty) for 12 cabinets 250 series**  
Dimensions: 620 x 620 x 1600 mm / DxWxH

**Drawer Type 250-3**



**dpvlink 1394** Article Type



050.2503  
**ESD drawer type 250-3**  
240 x 320 x 50 mm / DxWxH Partitions for drawer: see ESD compartment inserts

**Compartment inserts ESD, conductive**



ESD compartment inserts for the flexible internal partition of drawers, service boxes, suitcase and storage container.

In compliance with the ESD standard DIN EN 61340-5-1

\* 1 grid unit = appropriate number for:  
drawer art. 050.2503 or professional service box art. 050.2702

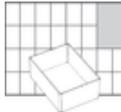
**dpvlink 1884** Article Type



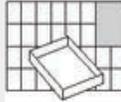
050.2530.Satz-16  
**Compartment inserts ESD (set = 16 pcs)**  
55 x 40 x 45 mm DxWxH  
1 Set = 16 pieces (1/2 grid unit / A5-grid)



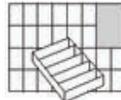
050.2535.Satz-8  
**Compartment inserts ESD (set = 8 pcs)**  
55 x 80 x 45 mm DxWxH  
1 Set = 8 pieces (1/2 grid unit / A5-grid)



050.2537  
**Compartment inserts ESD**  
110 x 80 x 47 mm DxWxH  
(8 pieces per grid unit required)



050.2541  
**Compartment inserts ESD**  
110 x 80 x 23 mm DxWxH  
(8 pieces per grid unit required)



050.2545  
**Compartment inserts ESD with 5 compartments**  
110 x 80 x 23 mm DxWxH (8 pieces per grid unit required)

## ESD Rack/material flow boxes

### ESD Rack/material flow boxes

The ESD rack and material flow box can be ordered for shelves with a depth of 30 cm to 60 cm. As an electrically conductive box it is ideal for storing electronic components.

- electrically conductive material
- very robust design
- color: black
- material: polypropylene
- for shelves with a depth of 30 cm, 40 cm, 50 cm and 60 cm
- stackable

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 23253**

Article	Dimensions outside/inside LxWxH [mm]		Volume
<b>ESD Rack/material flow boxes</b>			
RK3109.ESD	300 x 117 x 90	271 x 99 x 88	2.4 l
RK31509.ESD	300 x 156 x 90	271 x 138 x 88	3.4 l
RK3209.ESD	300 x 234 x 90	271 x 216 x 88	5.35 l
RK3214.ESD	300 x 234 x 140	271 x 216 x 138	8.3 l
RK4109.ESD	400 x 117 x 90	371 x 99 x 88	3.0 l
RK41509.ESD	400 x 156 x 90	371 x 138 x 88	4.7 l
RK4209.ESD	400 x 234 x 90	371 x 216 x 88	7.32 l
RK4214.ESD	400 x 234 x 140	371 x 216 x 138	11.4 l
RK5109.ESD	500 x 117 x 90	471 x 99 x 88	4.2 l
RK51509.ESD	500 x 156 x 90	471 x 138 x 88	5.9 l
RK5209.ESD	500 x 234 x 90	471 x 216 x 88	9.3 l
RK5214.ESD	500 x 234 x 140	471 x 216 x 138	14.5 l
RK6109.ESD	600 x 117 x 90	571 x 99 x 88	5.1 l
RK61509.ESD	600 x 156 x 90	571 x 138 x 88	7.18 l
RK6209.ESD	600 x 234 x 90	571 x 216 x 88	11.3 l
RK6214.ESD	600 x 234 x 140	571 x 216 x 138	17.6 l

### Transversal divider ESD EPAstore® for ESD material flow boxes



ESD transversal divider EPAstore® for ESD material flow boxes

- electrically conductive material
- color: black
- material: polystyrene

In compliance with the ESD standard DIN EN 61340-5-1 



**dpvlink 25307**

Article	Type	W [mm]	H [mm]	Thickness [mm]
<b>Transversal divider ESD EPAstore® for ESD material flow boxes</b>				
RK-QT109.ESD	Transversal divider QT109 ESD EPAstore®	102	79	1.5
RK-QT1509.ESD	Transversal divider QT1509 ESD EPAstore®	142	79	1.5
RK-QT209.ESD	Transversal divider QT209 ESD EPAstore®	224	79	1.5
RK-QT214.ESD	Transversal divider QT214 ESD EPAstore®	224	129	1.5

## Drawers / storage box ESD

**TRESTON**



The drawers are specially adapted to metric shelf systems. Depth: 300, 400, 500 and 600 mm. Easy gripping due to corrugated base. Stackable in case of the same width, even with different lengths. Matching partition walls allow flexible divisions.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5296**

Article	Dimensions outside DxWxH [mm]
<b>Drawers / storage box ESD</b>	
050.115	300 x 92 x 82
050.125	400 x 92 x 82
050.132	500 x 92 x 82
050.120	300 x 186 x 82
050.130	400 x 186 x 82
050.133	500 x 186 x 82
050.135	600 x 186 x 82
050.131	400 x 132 x 100
050.134	500 x 132 x 100
050.136	600 x 132 x 100

### Partition walls, transverse for drawers

**TRESTON**

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5864**

Article	Type
050.137	suitable for art. 050.115 / 050.125 / 050.132
050.138	suitable for art. 050.120 / 050.130 / 050.133 / 050.135
050.139	suitable for art. 050.131 / 050.134 / 050.136

### Container ESD for component/IC bars



Container for component and IC bars made of electrostatically volume conductive plastic

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5419**

Article	Dimensions outside/inside DxWxH [mm]	
<b>Container ESD for component/IC bars</b>		
051220	555 x 89 x 99	540 x 78 x 90
051221	555 x 177 x 99	540 x 165 x 90
051222	620 x 160 x 100	610 x 145 x 95
051225	635 x 165 x 100	600 x 130 x 75
051226	690 x 305 x 110	635 x 255 x 90

## ESD Storage boxes / part bins

### Storage boxes series 2600 raaco



Storage boxes stackable, electrostatically volume conductive polypropylene (PP), color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 1893

Article  
Type



050.2600  
**Storage box ESD 50 x 125 x 130 mm**  
130 x 125 x 50 mm / DxWxH  
covered in the height, 2 slots at panel + rotating tower



050.2601  
**Storage box ESD 75 x 125 x 170 mm**  
170 x 125 x 75 mm / DxWxH  
covered in the height, 3 slots at panel + rotating tower



050.2602  
**Storage box ESD 100 x 125 x 225 mm**  
225 x 125 x 100 mm / DxWxH  
covered in the height, 4 slots at panel + rotating tower



050.2603  
**Storage box ESD 125 x 125 x 295 mm**  
295 x 125 x 125 mm / DxWxH  
covered in the height, 5 slots at panel + rotating tower



050.2610  
**Steel panel, galvanized**  
Dimensions: 20 x 520 x 440 mm / DxWxH for ESD storage boxes with 48 slots (4 rows with 12 slots)



050.2600-BC  
**Rotating tower for storage boxes series 2600**  
Height 1600 x Ø 655 mm, for the storing of storage boxes series 2600, at your own choice (8 rows with 36 slots/height = 288 slots)

### DEPOFIX Futura storage boxes



DEPOFIX Futura storage boxes, color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 1086

Article Dimensions outside/inside LxWxH [mm] Color



#### DEPOFIX Futura storage boxes

5320.FA3Z	350 x 200 x 145	280 x 182 x 127	black
5320.FA4	235 x 145 x 125	180 x 127 x 108	black
5320.FA5	175 x 100 x 75	129 x 87 x 67	black

### DEPOFIX Classic Storage boxes, dissipative - IDP-STAT®



DEPOFIX Classic storage boxes IDP-STAT®



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 10136

Article Dimensions outside/inside DxWxH [mm]



#### DEPOFIX Classic Storage boxes, dissipative - IDP-STAT®

5321.3Z.gelb	350 x 200 x 145	280 x 182 x 127	without rail suspension
5321.3Z.rot	350 x 200 x 145	280 x 182 x 127	without rail suspension
5321.4.gelb	235 x 145 x 125	180 x 127 x 108	
5321.4.rot	235 x 145 x 125	180 x 127 x 108	
5321.5.gelb	175 x 100 x 75	129 x 87 x 67	
5321.5.rot	175 x 100 x 75	129 x 87 x 67	
5321.6.gelb	95 x 100 x 50	60 x 87 x 44	
5321.6.rot	95 x 100 x 50	60 x 87 x 44	

### DEPOFIX Classic Storage boxes, conductive



The storage boxes provide an excellent view of the stored content. The large and handy recessed grips at the front and rear facilitate the manual handling. The smooth base bottom also a quiet running on conveyor belts also during automatic handling.

Color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 1084

Article Dimensions outside/inside DxWxH



#### DEPOFIX Classic Storage boxes, conductive

5320.2	500 x 300 x 200	425 x 280 x 183	with handle bar
5320.3	350 x 200 x 200	280 x 182 x 185	with handle bar
5320.3Z	350 x 200 x 145	280 x 182 x 127	without rail suspension
5320.4	235 x 145 x 125	180 x 127 x 108	
5320.5	175 x 100 x 75	129 x 87 x 67	
5320.6	95 x 100 x 50	60 x 87 x 44	
5320.7	95 x 100 x 50	60 x 87 x 44	with partition wall (2 compartments)

## Identification labels for storage boxes



Identification labels for storage box PU = 100 pcs.

**dpvlink 10254**



Article Type

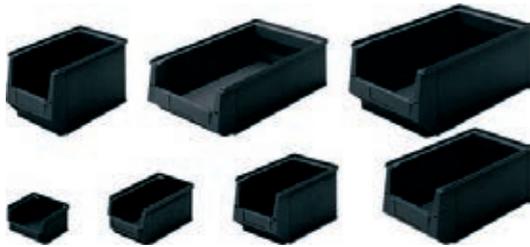
### Kennzeichnungsschilder

5320.2.ET	for DEPOFIX standard 5320.2
5320.3.ET	for DEPOFIX standard 5320.3
5320.3Z.ET	for DEPOFIX standard 5320.3Z
5320.4.ET	for DEPOFIX standard 5320.4 / 5321.4.red / 5321.4.yellow
5320.5.ET	for DEPOFIX standard 5320.5 / 5321.5.red / 5321.5.yellow
5320.6.ET	for DEPOFIX standard 5320.6 / 5321.6.red / 5321.6.yellow

### Kennzeichnungsschilder

5320.FA2.ET	for DEPOFIX Design 5320.FA2
5320.FA3.ET	for DEPOFIX Design 5320.FA3
5320.FA3Z.ET	for DEPOFIX Design 5320.FA3Z
5320.FA4.ET	for DEPOFIX Design 5320.FA4
5320.FA5.ET	for DEPOFIX Design 5320.FA5

## SILAFIX Storage boxes



SILAFIX storage boxes, color: black

In compliance with ESD standard DIN EN 61340-5-1 ESD

**dpvlink 1088**



Article Dimensions outside [mm] Additional

### SILAFIX Storage boxes

051100.2	500 x 310 x 200	SILAFIX 2
051100.2.H	500 x 310 x 145	SILAFIX 2H
051100.3	350 x 210 x 200	SILAFIX 3
051100.3Z	350 x 310 x 145	SILAFIX 3Z
051100.4	230 x 147 x 132	SILAFIX 4
051100.5	170 x 102 x 78	SILAFIX 5
051100.6	90 x 102 x 54	SILAFIX 6

## Storage boxes with corrugated base



Storage boxes with corrugated base for an easier gripping of small parts. Large labeling area on the handles.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5339**



Article Dimensions outside/inside DxWxH [mm]

### Storage boxes with corrugated base

050.145	165 x 105 x 75	105 x 90 x 65
050.150	192 x 149 x 105	130 x 125 x 90
050.155	250 x 149 x 130	185 x 125 x 115
050.160	300 x 186 x 156	230 x 155 x 140
050.162	400 x 186 x 156	330 x 155 x 140

050.156	Transverse partition wall/for 050.155
050.163	Transverse partition wall/for 050.160/162

## Trolley for storage boxes (with corrugated base)



- trolley equipped with 8 steel rails on both sides
- 4 ESD swivel castors with a diameter of 100 mm, two with brake
- easy to maneuver with height-adjustable ergonomic handle
- color: light grey (RAL7035)
- dimensions (WxDxH): 780 x 715 x 1630 mm
- load capacity max.: 300 kg
- box rails for fixing ESD storage boxes
- ESD storage boxes must be ordered separately
- suitable for: storage box 050.145 (max. 7/rail, max. 112/trolley), 050.15 and 050.155 (max. 5/rail, max. 80/trolley), 050.160 (max. 4/rail, 64/trolley)

**dpvlink 22751**



Article Type

BT-170B.ESD **Trolley two-sided ESD**  
load capacity approx. 300 kg

## Part bins



The part bins are designed for manual assembly. Rounded corners and edges as well as the ergonomic gripping surface facilitate the grip, stackable, color: black

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5355**



Article Dimensions outside [mm]

### Part bins

050.165	160 x 99 x 70
050.170	160 x 198 x 70
050.175	160 x 198 x 70

divided into three compartments

## Assembly stand ESD



Assembly stand for the supply of storage boxes and part bins at the workstation, material: galvanized steel

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5365**



Article Type

050.185 **Assembly stand ESD**  
Dimensions: 200 x 455 x 290 mm / DxWxH  
suitable for:  
12 x storage box art. 050.145 or  
12 x part bin art. 050.165 or  
6 x part bin art. 050.170 / 050.175

## Part bin magazine Type 306



The part bin magazine type 306 is ideal for the supply of small parts such as electronic components, contact sleeves, bolts, assembly components, etc.

The basic equipment consists of 40 part bins (4 levels), arranged on a ball-bearing-mounted support within easy reach. The single part bins are easily exchangeable. A handle makes the magazine comfortable to carry.

Picture may differ from original product.

In compliance with ESD standard DIN EN 61340-5-1

Height: 300 mm  
 Ø: 470 mm  
 Weight: 3.2 kg

dpvlink 25431



Article	Type
050.306	<b>Part bin magazine type 306 ESD single, black</b> with 40 part bins, black
050.306.GS-E	<b>Part bin type 306 single, black for magazine 050.306</b>

## ESD Storage boxes



The ESD storage box is very flexible and can be subdivided by different inserts.

- electrically conductive material
- very robust version
- color: black
- material: polypropylene
- stackable

In compliance with the ESD standard DIN EN 61340-5-1



dpvlink 23271



Article	Dimensions outside/inside LxWxH [mm]	
<b>ESD Storage boxes</b>		
SK1.ESD	85 x 102 x 50	62 x 90 x 41
SK2.ESD	160 x 102 x 75	134 x 80 x 64
SK2L.ESD	220 x 102 x 75	193 x 80 x 64
SK3.ESD	225 x 150 x 125	192 x 130 x 114
SK3L.ESD	325 x 150 x 125	292 x 130 x 114
SK4.ESD	350 x 210 x 150	314 x 190 x 139
SK4H.ESD	350 x 210 x 200	314 x 190 x 190
SK5.ESD	500 x 310 x 200	455 x 281 x 189
SK5H.ESD	500 x 310 x 300	455 x 281 x 290

## Insertable viewing panel transparent

Insertable viewing panel of transparent plastic.  
 No ESD version.



dpvlink 23270



Article	Type
SK1.SF	Insertable viewing panel transparent SK 1
SK2.SF	Insertable viewing panel transparent SK 2 / 2L
SK3.SF	Insertable viewing panel transparent SK 3 / 3L
SK4.SF	Insertable viewing panel transparent SK 4
SK4H.SF	Insertable viewing panel transparent SK 4H
SK5.SF	Insertable viewing panel transparent SK 5
SK5H.SF	Insertable viewing panel transparent SK 5H

## Work trays



electrostatically volume conductive plastic, color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 5479



Article	Type
032.150	<b>Work tray ESD, tapered</b> 175 x 100 x 34 mm / DxWxH
032.151	<b>Work tray ESD, tapered</b> 210 x 150 x 40 mm / DxWxH
032.157	<b>Work tray ESD, stackable</b> 190 x 150 x 40 mm / DxWxH stackable and nestable

## Frame with work trays



Chrome-plated frame

Work trays electrostatically volume conductive plastic  
 Color: black

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 14909



Article	Type
032.153	<b>Work tray ESD</b> 260 x 165 x 70 mm / DxWxH
032.153.TRAY	<b>Frame with 8 work trays 032.153</b> 252 x 190 x 610 mm / DxWxH
032.152	<b>Work tray ESD</b> 260 x 165 x 45 mm / DxWxH
032.152.TRAY	<b>Frame with 10 work trays 032.152</b> 252 x 190 x 610 mm / DxWxH

## SMD Storage systems

### REELO SMD Reel storage system



The REELO storage system allows the flexible, space-saving storing of SMD reels. With a storage area of 2000 x 1300 x 500 mm (WxHxD) up to 1344 reels (Ø 180 mm) can be stored in a well organized manner.



Unlike conventional insert systems, the stored SMD reels can be moved by simply removing a partition wall. Because of this fluctuating storage quantities and the inclusion of new component types can be easily handled.

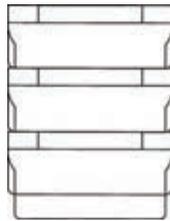
The pluggable partition walls make an easy compartmentation of the REELO-BOX possible. The size of each compartment can be easily resized by adding/removing a partition wall.

No re-sort of the SMD reels is needed. The REELO-BOX is designed to move the reels within the box.



The handle affixed at the front of the REELO-BOX allows a quick and easy access to the content of the box.

Empty REELO boxes are stackable and need only little space.



### REELO-BOX 180 / 250 Reel rack

REELO-BOX 180 for reels up to Ø 180 mm  
REELO-BOX 250 for reels up to Ø 250 mm

Type	Dimensions WxHxD	Number of reels
REELO-BOX 180	100 x 190 x 510 mm	28
REELO-BOX 250	140 x 260 x 510 mm	25

Material: electrostatically volume conductive polypropylene

In compliance with ESD standard DIN EN 61340-5-1 

[dpvlink 5722](#)

Article	Type
039.500.180	<b>REELO-BOX 180</b> for max. 28 SMD reels of up to Ø 180 mm Dimensions: 510 x 190 x 105 mm / LxWxH
039.500.181	<b>REELO-BOX Partition wall 180</b> Dimensions: 180 x 90 mm (WxH)
039.500.182	<b>REELO-BOX Partition wall 180</b> Dimensions: 180 x 160 mm (WxH)



## EPAstore® Reel racks

### SMD Reel rack type 100



Suitable for

- Euro containers
- transport trolleys
- storage racks
- storage boxes

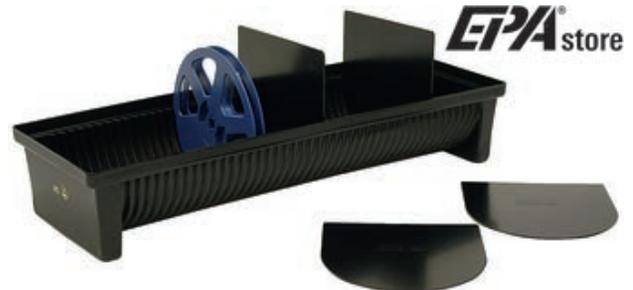
In compliance with ESD standard DIN EN 61340-5-1 

[dpvlink 5727](#)

Article	Type
039.100.180	<b>SMD reel rack type 100/180</b> for up to 23 SMD reels Ø 180 mm Dimensions: 362 x 188 x 110 mm / LxWxH
039.100.330	<b>SMD reel rack type 100/330</b> for SMD reels, 38 Ø 330 mm Dimensions: 560 x 365 x 178 mm / LxWxH
039.100.181	<b>Partition wall for reel rack type 100/180</b> Dimensions: 180 x 180 x 2 mm / LxWxH
039.100.331	<b>Partition wall for reel rack type 100/330</b> Dimensions: 330 x 165 x 2 mm / LxWxH
039.100.332	<b>Partition wall for reel rack type 100/330</b> Dimensions: 330 x 330 x 2 mm / LxWxH



### SMD Reel rack type 200



Suitable for

- transport trolleys
- storage racks
- storage boxes
- paternoster magazines

In compliance with ESD standard DIN EN 61340-5-1 

[dpvlink 5733](#)

Article	Type
039.200.180	<b>SMD reel rack type 200 / 180</b> for max 42 SMD reels Ø 180 mm Dimensions: 600 x 200 x 106 mm / LxWxH
039.200.181	<b>Partition wall for reel rack type 200 / 180</b>



## SMD Reel rack type 300



Suitable for

- transport trolleys
- storage racks
- storage boxes
- paternoster magazines

In compliance with ESD standard DIN EN 61340-5-1



dpvlink 7009

Article	Type
039.300.180.210	<b>SMD reel rack type 300 / 180.210</b> for max. 13 SMD reels Ø 180 mm Dimensions: 210 x 200 x 110 mm / LxWxH
039.300.180.410	<b>SMD reel rack type 300 / 180.410</b> for max. 33 SMD reels Ø 180 mm Dimensions: 410 x 200 x 110 mm / LxWxH
039.300.180.850	<b>SMD reel rack type 300 / 180.850</b> for max. 76 SMD reels Ø 180 mm Dimensions: 850 x 200 x 110 mm / LxWxH
039.300.181	<b>Partition wall for reel rack type 300 / 180</b> Dimensions: 180 x 180 x 2 mm / LxWxH LxwxH
039.300.250.210	<b>SMD reel rack type 300 / 250.210</b> for max. 10 SMD reels Ø 250 mm Dimensions: 210 x 270 x 175 mm / LxWxH
039.300.250.410	<b>SMD reel rack type 300 / 250.410</b> for max. 24 SMD reels Ø 250 mm Dimensions: 410 x 270 x 175 mm / LxWxH
039.300.250.850	<b>SMD reel rack type 300 / 250.850</b> for max. 54 SMD reels Ø 250 mm Dimensions: 850 x 270 x 175 mm / LxWxH
039.300.330.210	<b>SMD reel rack type 300 / 330.210</b> for max. 10 SMD reels Ø 330 mm Dimensions: 210 x 372 x 190 mm / LxWxH
039.300.330.415	<b>SMD reel rack type 300 / 330.415</b> for max. 24 SMD reels Ø 330 mm Dimensions: 415 x 372 x 190 mm / LxWxH
039.300.330.850	<b>SMD reel rack type 300 / 330.850</b> for max. 54 SMD reels Ø 330 mm Dimensions: 850 x 372 x 190 mm / LxWxH
039.300.380.415	<b>SMD reel rack type 300 / 380.415</b> for max. 24 SMD reels Ø 380 mm Dimensions: 415 x 400 x 230 mm / LxWxH
039.300.331	<b>Partition wall for reel rack type 300 / 330</b> Dimensions: 330 x 165 x 2 mm / LxWxH
039.300.332	<b>Partition wall for reel rack type 300 / 330</b> Dimensions: 330 x 330 x 2 mm / LxWxH
039.300.251	<b>Partition wall for reel rack type 300 / 250</b> Dimensions: 250 x 250 x 2 mm / LxWxH
039.300.381	<b>Partition wall for reel rack type 300 / 380</b> Dimensions: 380 x 190 x 2 mm / LxWxD
039.300.382	<b>Partition wall for reel rack type 300 / 380</b> Dimensions: 380 x 380 x 2 mm / LxWxH

## SMD Reel rack with movable wire dividers



Reel holder for SMD reels with Ø 180-380 mm, suitable for storing SMD reels in transport / shelf trolleys, storage racks

- Stable metal construction, galvanized
- Stainless steel wire dividers variably pluggable
- Pitch pattern 32 mm
- Handles and optional labeling rail

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 5750

Article	Type
090.001	<b>Reel rack 540/180 with 17 movable wire dividers</b> for max. 32 SMD reels up to Ø 180 mm Dimensions: 540 x 195 x 110 mm / LxWxH
090.005	<b>Reel rack 540 with 17 movable wire dividers</b> for max. 32 SMD reels Ø 180-380 mm Dimensions: 540 x 285 x 175 mm / LxWxH
090.010	<b>Reel rack 988 with 31 movable wire dividers</b> for max. 60 SMD reels Ø 180-380 mm Dimensions: 988 x 285 x 175 mm / LxWxH
090.015	<b>SMD reel rack with movable wire dividers</b> Length = xxxx mm, customized
090.002	<b>Reel rack 988/180 with 31 movable wire dividers</b> for max. 32 SMD reels up to Ø 180 mm Dimensions: 988 x 195 mm x 110 mm / LxWxH

## Accessories for SMD reel rack with movable wire dividers

dpvlink 7043

Article	Type
090.029	<b>Carrying handle for SMD reel rack</b> Art. 090.001, 090.005 (per reel rack 2 handles are needed)
090.030	<b>Magnet labeling strip</b> 40 x 25 mm, white, PU = 50 pieces
090.031	<b>Magnet labeling strip</b> 510 x 40 mm, white
090.032	<b>Magnet labeling strip</b> 960 x 40 mm, white

Magnet labeling strip, further sizes and colors available on request

## Reel racks

### SMD Reel rack type A-250



Basic dimensions 450 x 240 mm, for a standing storage of SMD reels of up to Ø 250 mm, with 10 or 25 variable dividers and continuous labeling rail.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5737**

Article Type

038.470.10 **SMD reel rack type A-250 with 10 dividers** for SMD reels of up to Ø 250 mm, conductive, black

038.470 **SMD reel rack type A-250, with 25 dividers** for SMD reels of up to Ø 250 mm, conductive, black

038.470.ZS **Divider for SMD reel rack type A-250** conductive, black

038.470.D **Lid for SMD reel rack type A-250** conductive, black

038.480 **SMD reel rack type A-250, with 25 dividers** for SMD reels of up to Ø 250 mm, not conductive, grey



### SMD Reel rack type A-330



Basic dimensions 455 x 315 mm, for a standing storage of SMD reels of up to Ø 330 mm, with 10 or 25 variable dividers and continuous labeling rail.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5740**

Article Type

038.475.10 **SMD reel rack type A-330 ESD with 10 dividers** for SMD reels up to Ø 330 mm, conductive, black

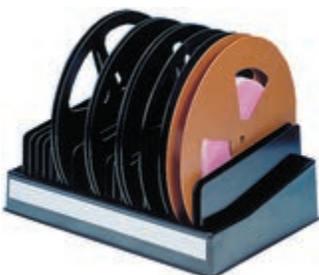
038.475 **SMD reel rack type A-330 ESD with 25 dividers** for SMD reels up to Ø 330 mm, conductive black

038.475.ZS **Divider for SMD reel rack type A-330** conductive, black

038.485 **SMD reel rack type A-330, with 25 dividers** for SMD reels up to Ø 330 mm, not conductive, grey



### SMD Reel rack type A-380



Basic dimensions 455 x 360 mm, for the storage of SMD reels up to Ø 380 mm, with 10 variable dividers and continuous labeling rail.

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5743**

Article Type

038.476 **SMD reel rack type A-380, with 10 dividers** for SMD reels up to Ø 380 mm, conductive, black

038.486 **SMD reel rack type A-380, with 10 dividers** for SMD reels up to Ø 380 mm, non conductive, grey

038.476.ZS **Divider for SMD reel rack type A-280** conductive, black



### SMD Reel rack type B 180/330/380



for flat storage of SMD reels (first in / first out)  
electrostatically volume conductive, black

In compliance with ESD standard DIN EN 61340-5-1 

Type	for reels	External dimensions DxWxH	Internal dimensions DxWxH
B 180	up to Ø 180 mm	186 x 173 x 210 mm	182 x 169 x 190 mm
(B) 330	up to Ø 330 mm	339 x 319 x 210 mm	335 x 315 x 190 mm
(B) 380	up to Ø 380 mm	380 x 370 x 250 mm	375 x 365 x 230 mm

**dpvlink 5746**

Article Type

038.490 **SMD reel rack type B 180** for SMD reels up to Ø 180 mm

038.491 **SMD reel rack type B-330** for SMD reels up to Ø 330 mm

038.492 **SMD reel rack type B-380** for SMD reels up to Ø 380 mm



### SMD reel rack type 400



Reel rack for SMD reels with Ø 180-330 mm, black conductive polypropylene, vacuum-formed, movable wire dividers (10 pieces included, 20 pieces can be used).

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 7038**

Article Type

039.400 **SMD reel rack type 400**  
Reels: Ø 180-330 mm  
Dimensions: 400 x 250 x 110 mm / LxWxH



### SMD Reel rack 300 VARIO



Reel holder for SMD reel with Ø 180-380 mm, suitable for storing SMD reels in transport / shelf trolleys, storage racks

- stable metal construction, galvanized
- 15 variable stainless steel dividers
- pitch pattern 20 mm
- length extendable as needed (in 300 mm steps)
- optional labeling rails

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 5754**

Article Type

090.130 **Reel rack VARIO 300 with 15 movable wire dividers** for max. 14 SMD reels Ø 180 to 380 mm  
Dimensions: 300 x 285 x 175 mm / LxWxH

090.130.BS **Labeling rail for reel rack VARIO 300**  
Dimensions: 300 x 45 x 15 mm



Reel trolley RRT ESD



The steplessly adjustable reel trolley RRT ESD is suitable for the transport, supply and storage of up to 360 SMD reels.

In compliance with ESD standard DIN EN 61340-5-1

Reel trolley RRT ESD



The adjustable reel trolley is compatible with SMD reels and ideal for their transport and storage. All parts are made of perforated powder-coated steel (light grey, RAL 7035 ESD), depth 28 mm. The car has 4 swivel castors Ø 125 mm, two of them with brakes. Load capacity of the trolley 200 kg.

- Total height: 1780 mm
- Shelf heights: steplessly adjustable
- Load capacity: totally max. 200 kg, max. 50 kg per shelf
- Shelf dimensions WxD: 1000 x 430 mm,
- Wheel Ø: 125 mm

dpvlink 2051

Article	Type	D [mm]	W [mm]	H [mm]
RRT-ESD	Reel trolley RRT-ESD	530	1100	1780



Reel rack RR-ESD



The reel rack is suitable for SMD reels with 180 mm, 330 mm and 380 mm Ø. SMD reels with 180 mm Ø can be arranged in two rows (max. 60 reels per row). The rack has 15 compartments that are 60 mm wide. The steel wire dividers have a conductive powder coating. Load capacity 50 kg.

- suitable for reel trolley RRT-ESD and DPV shelf trolley type 1217 / 1218
- also suitable for storage racks with shelves 1000 x 500 mm

dpvlink 2053

Article	Type	D [mm]	W [mm]	H [mm]
RR-ESD	Reel rack RR-ESD	426	960	254



Document holder DSA4-ESD



The holder is suitable for DIN A4 documents and has a conductive powder coating as well as two magnets for the fixing of documents.

dpvlink 2055

Article	Ausführung
DSA4-ESD	Document holder DSA4-ESD



ESD PCB holders

EPASTORE® PCB holder "Tray type Deep + Shallow"



PCB holder "tray type Deep + Shallow" Ideal for the transport and storage for different PCBs. Temperature resistance up to 50°C

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 24680

Article	Type
052.745	EPASTORE® PCB holder "Tray type Deep + Shallow" Dimensions: 172 x 484 mm, 25 + 24 rows / spacing 16 mm max. PCB thickness 2.0 mm (24 rows) or 3.0 mm (25 rows) groove depth 3 mm or 8 mm weight: 0.7 kg



EPASTORE® PCB holder "Tray type 759"



Easy transport and storage for PCBs of different sizes. Temperature resistance up to 50°C

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 24691

Article	Type
052.759	EPASTORE® PCB holder "Tray type 759" Dimensions: 160 x 437 mm, 25 + 24 rows / spacing 16 mm max. PCB thickness 3.0 mm (25 rows), groove depth 10 mm weight: 0.7 kg



Plug-in boards (round knobs)



PCBs of every size are safely held in the plug-in / knobbed board, electrostatically conductive volume, knobs: round Ø 16 x 6 mm, max. PCB thickness 1.6 mm

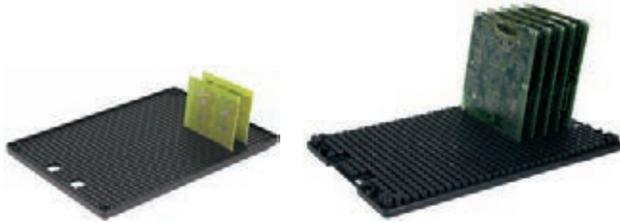
In compliance with ESD standard DIN EN 61340-5-1

dpvlink 3696

Article	Type
053211	Plug-in board (knobbed) External dimensions: 357 x 257 x 14 mm, Color: black / dissipative



## Plug-in boards (square knobs)



PCBs of every sizes are safely held in the plug-in / knobbed board, electrostatically volume conductive, black,

In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 3703

Article	Type
053210	<b>Plug-in board (knobbed)</b> Dimensions: 352 x 252 x 15 mm, Knobs: 8 x 8 x 6 mm, max PCB thickness 1.7 mm
053212	<b>Plug-in board (knobbed)</b> External dimensions: 557 x 357 x 22 mm, Knobs: 14 x 14 x 8 mm, max. PCB thickness 2.5 mm
053212-1	<b>Handle, stainless for plug-in board</b>



## L-profile PCB holder



Simple, functional PCB holder for storage, transport and supply of equipped or un-equipped PCBs

In compliance with ESD standard DIN EN 61340-5-1 

Number of grooves:	25
Groove spacing:	10 mm
max. PCB thickness:	3.2 mm size 1 / 2.4 mm size 2

### dpvlink 3866

Article	Type
052.725	<b>L-profile holder size 1 / small</b> 208 x 272 x 93 mm / DxWxH
052.730	<b>L-profile holder size 2 / large</b> 355 x 268 x 128 mm / DxWxH



## PCB holder made of PE foam



PCB holder made of permanently dissipative PE foam;  
25 grooves, groove width 3 mm, groove depth 12 mm; 2 sloped corners

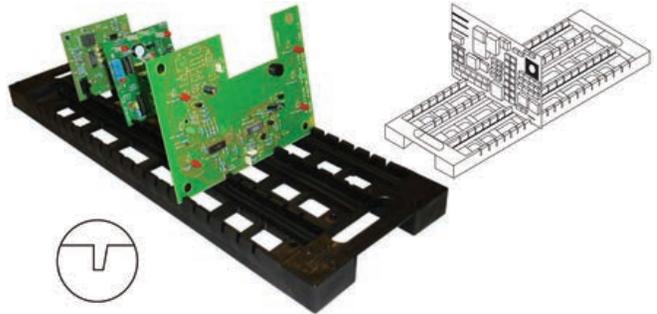
In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 14625

Article	Type
4550.25.0255.LP	<b>PCB holder made of PE foam</b> Dimensions: 355 x 255 x 25 mm



## PCB holder "tray type 760 and 761"



### PCB holder "tray type 760 and 761"

Ideal for the transport and storage for different PCBs.  
Temperature resistance up to 85°C

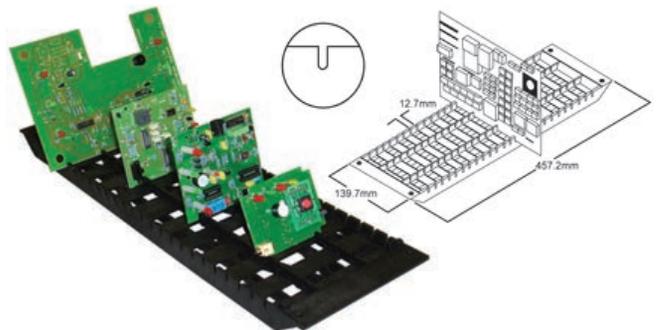
In compliance with ESD standard DIN EN 61340-5-1 

### dpvlink 12975

Article	Type
052.760	<b>PCB holder "tray type 760"</b> Dimensions: 175 x 500 mm, 20 rows / grid 18.75 mm Max. PCB thickness 3.0 mm, groove depth 8 mm Weight: 0.7 kg
052.761	<b>PCB holder "tray type 761"</b> Dimensions: 215 x 582 mm, 20 rows / grid 25 mm Max. PCB thickness 3.0 mm, groove depth 8 mm Weight: 1.2 kg



## PCB holder "tray type 750 SMT and 751"



### PCB holder "tray type 750 SMT and 751"

Ideal for the transport and storage of different PCBs.

Temperature resistance type 750 SMT up to 85°C

Temperature resistance type 751 up to 135°C

In compliance with ESD standard DIN EN 61340-5-1 

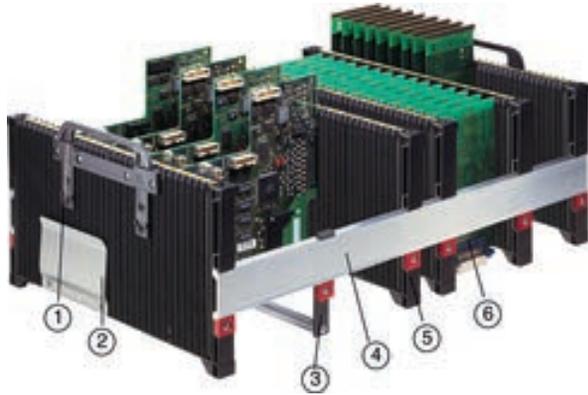
### dpvlink 13022

Article	Type
052.750.SMT	<b>PCB holder "tray type 750 SMT"</b> Dimensions: 140 x 457 mm, 30 rows / grid 12.5 mm Max. PCB thickness 1.9 mm, groove depth 3.75 mm Weight: 0.4 kg
052.751	<b>PCB holder "tray type 751"</b> Dimensions: 140 x 457 mm, 25 rows / grid 15.6 mm Max. PCB thickness 3 mm, groove depth 7.5 mm Weight: 0.4 kg



PCB holders cab

electrostatically conductive, an exemplary concept:  
well thought out, flexible and complete



These PCB holders are used in the production, in test fields and in the storage. They can be equipped as well when standing vertically as lying horizontally. The width is completely variable and the system can be assembled for all PCB sizes according to the individual requirements.

- Handles**  
 They facilitate the transport and especially the removal of the PCB holders out of the transport boxes. For saving space in the height they are retractable.
- Clamp**  
 It can be mounted on the side of every PCB holder. The clamp serves to fix accompanying documents like parts lists and order forms.
- Bearing rail**  
 It serves to support heavy and large PCB and protects them from slipping down while being transported.
- Profile rail**  
 It is made of aluminium extruded profile and is available with every requested length.
- Partitions**  
 The double-walled partitions are extremely stable and torsion-resistant due to the sandwich structure.
- Free space**  
 For preventing damages of protruding components the bearing edge lies 17 mm above the table surface.

**Quick and simple assembly**

Quick and easy adjustment due to external adjustment grooves lying 0.4 mm above the surface.



**Transport container**

The PCB holder can be used for the transport in Euro containers 600 x 400 mm or 400 mm x 300 mm.



The retractable handles facilitate the insertion and removal.

**Stable and torsion-resistant**

The partitions are extremely stable due to the double-walled structure. In addition, in case of mechanical and thermal load, the partitions can be stiffened by a metal tube.



**Standing vertically**

Equipped PCBs must be stored horizontally before soldering. For this purpose, the PCBs be placed vertically.



**Groove lock**

For preventing damages of the components while inserting the PCBs into the magazine the grooves can be blocked by groove locks.

**Technical data partition 100 / 180 / 300:**

Number guide slots:	32
Spacing guide slots:	10 mm
Material:	Polypropylene
Color:	Black
Continuous use temperature:	70°C

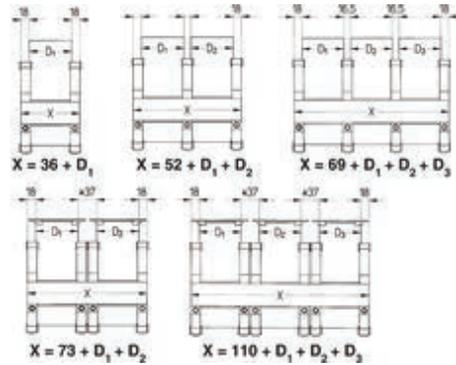
After aging no diminution of the conductivity, chemical and UV resistance excellent.

Version conductive = electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1 ⚠

Partition wall	Slot width	Slot depth	PCB spacing	Max. equipment
100	2.8 mm	2.0 mm	10 mm	32 PCBs
180	4.0 mm	2.5 mm	10 mm	32 PCBs
300	3.5 mm	2.5 mm	10 mm	32 PCBs

The length of the profile (dimension X) is calculated according to the indications below.  
Dimension D = PCB width  
Dimension X = length of profile rail



**Partition 100**



**dpmlink 4285**

Article	Type
8910050	<b>Partition 100</b> 359 x 100 x 20 mm, PCB insertion depth 83 mm
8910102	<b>Partition 100, reinforced</b>
8913913	<b>Partition 100, with holes for groove lock</b>



## Partition 180



### dpvlink 4288

Article	Type	QR
8910060	Partition 180, with holes for groove lock 359 x 180 x 21 mm, PCB insertion depth 163 mm	
8910104	Partition 180, with holes for groove lock	

## Partition 300



### dpvlink 4292

Article	Type	QR
8912049	Partition 300 357 x 303 x 20 mm, PCB insertion depth 285 mm	
8913914	Partition 300, with holes for groove lock	

## Carrying handles 100, 180 / 300



### dpvlink 4609

Article	Type	QR
8912007	Carrying handle for partition 100 1 Set = 2 handles, 8 screws	
8910097	Carrying handle for partition 180 / 300 1 Set = 2 handles, 8 screws	

## Profile rails



### dpvlink 4612

Article	Type	QR
8910252	Profile rail, length 252 mm suitable for Euro containers 400 x 300 mm	
8910547	Profile rail, length 547 mm suitable for Euro containers 600 x 400 mm	
8911000	Profile rail, length 1000 mm	
8912000	Profile rail, length 2000 mm	
891xxxx	Profile rail, xxxx mm long Customized length in mm	

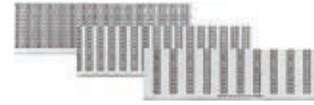
## Bearing rails 100, 180, 300



### dpvlink 4618

Article	Type	QR
8912004	Bearing rails for partition 100	
8912005	Bearing rails for partition 180	
8912006	Bearing rails for partition 300	

## Positioning stripes 10, 20, 30



### dpvlink 4622

Article	Type	QR
8910013	Positioning stripes 20 (1 sheet = 12 stripes)	

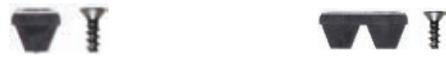
## Clamp with mounting screws



### dpvlink 5896

Article	Type	QR
8910009	Clamp with screws	

## Slot lock for partitions 100, 180, 300



(suitable for partitions with holes for groove locks)

### dpvlink 5926

Article	Type	QR
8913916	Groove lock 1, single (Pack = 100 pcs)	
8913917	Groove lock 2, double (Pack = 100 pcs)	

## Test set 100 / 180 / 300

**Order without any risk with 8 days right of return.**  
Our service for your safe decision

### Test set 100



e.g. for PCBs with 100 mm width

#### Scope of delivery:

- 4 partitions 100
- 2 profile rails 369 mm
- 1 clamp

### dpvlink 4626

Article	Type	QR
8910063	PCB Test set 100	

### Test set 180



e.g. for PCBs with 100 mm with

#### Scope or delivery:

- 4 partitions 180
- 2 profile rails 369 mm
- 1 clamp
- 1 set of handles

### dpvlink 4628

Article	Type	QR
8910064	PCB holder test set 180	

**Test set 300**



e.g. for PCBs with 233.4 mm width  
**Scope of delivery:**

- 2 partitions 300
- 4 profile rails 269 mm
- 1 clamp
- 1 set of handles

dpvlink 4630

Article	Type
8910065	PCB holder test set 300



**PCB holder system UTZ**

**Slotted walls one-sided system UTZ**



**Technical data:**

Distance between guide slots: 10 mm

Material: Black polypropylene

electrostatically volume conductive

In compliance with ESD standard  
 DIN EN 61340-5-1

dpvlink 4714

Article	Type
3-879-123.EL	<b>Slotted walls one-sided system UTZ</b> <b>Slotted wall 352 x 95 x 30 mm</b> 33 slots, slot depth 2 mm
3-883-123.EL	<b>Slotted wall 352 x 190 x 30 mm</b> 33 slots, slot depth 2 mm



**Guide rail system UTZ slot**



Screws (M4x10), (4 pieces per slotted wall)  
 NOT included

dpvlink 4730

Article	Type
3-080-876	<b>Guide rail system UTZ slot</b> <b>Guide rail</b> 252 x 78 mm, adjustable with slot
3-080-875	<b>Guide rail</b> 352 x 78 mm, adjustable with slot
3-080-874	<b>Guide rail</b> 552 x 78 mm, adjustable with slot



**PCB holder WEZRack series 100**

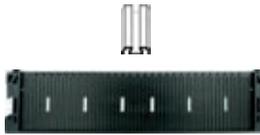
**PCB holder WEZRack Series 100**



Slotted wall 1-300  
 Slot numbers: 20  
 Slot width/depth: 3.5 / 2.5 mm  
 Slot pitch: 10.16 mm



Slotted wall 1-400  
 Slot numbers: 30  
 Slot width/depth: 3.5 / 2.5 mm  
 Slot pitch: 10.16 mm



electrostatically volume conductive

In compliance with ESD standard  
 DIN EN 61340-5-1

dpvlink 4743

Article	Type
<b>PCB holder WEZRack Series 100</b>	
2510.000.992	<b>Slotted wall 1-300 (pair)</b> 255 x 82 x 13.5 mm
3510.000.992	<b>Slotted wall 1-400 (pair)</b> 355 x 82 x 13.5 mm
9980.149.156	<b>Profile rail 1-156</b> Length = 156 mm
9980.149.256	<b>Profile rail 1-256</b> Length = 256 mm
9980.149.356	<b>Profile rail 1-356</b> Length = 356 mm
9980.149.556	<b>Profile rail 1-556</b> Length = 556 mm
9980.149.XXX	<b>Profile rail 1-XXX</b> Length .... customer-specific
9980.152.000	<b>Slot lock (Pack = 100 pcs)</b>



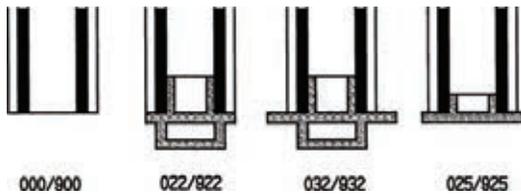
PCB holder WEZRack series 180



Simple and safe system for PCB handling in the production, in the storage and for the transport. Modular design fits in Euro containers. Individually configurable for the different practical needs.

Electrostatically volume conductive

In compliance with ESD standard DIN EN 61340-5-1 



Open slots or base stop?

The slotted walls of the series 180 are available with open or closed slot ends.

Versions 000 / 900 open slots for pushing through

Versions 022 / 922 base stop 22, support width = 2.5 mm

Versions 032 / 932 base stop 32, support width = 7.5 mm

Versions 025 / 925 base stop 25, support width = 4.0 mm

Slotted wall 300 / 322 



**Slotted wall 300**

Slot number: 20  
Slot depth: 2.5 mm  
Slot width: 3.5 mm  
Slot pitch: 10.16 mm

**dpvlink 4760**

Article	Type
2518.000.992	<b>Slotted wall 300</b> 255 x 180 x 22 mm, without base stop
2518.900.992	<b>Slotted wall 300 reinforced</b> 255 x 180 x 22 mm, without base stop with aluminum reinforcement
2518.022.992	<b>Slotted wall 322</b> 255 x 180 x 22 mm, with base stop 22
2518.922.992	<b>Slotted wall 322 reinforced</b> 255 x 180 x 22 mm, with base stop 22 with aluminum reinforcement

Double slotted wall 300 / 322 

**dpvlink 4770**

Article	Type
2534.000.992	<b>Double slotted wall 300</b> 255 x 345 x 22 mm, without base stop
2534.900.992	<b>Double slotted wall 300 reinforced</b> 255 x 345 x 22 mm, without base stop with aluminum reinforcement
2534.022.992	<b>Double slotted wall 322</b> 255 x 345 x 22 mm, with base stop 22
2534.922.992	<b>Double slotted wall 322 reinforced</b> 255 x 345 x 22 mm, with base stop 22 with aluminum reinforcement

Slotted wall 400 / 422 / 432 



**Slotted wall 400 / 422 / 432**

Slot number: 30  
Slot width: 3.5 mm  
Slot depth: 2.5 mm  
Slot pitch: 10.16 mm

**dpvlink 4775**

Article	Type
3518.000.992	<b>Slotted wall 400</b> 355 x 180 x 22 mm, without base stop
3518.900.992	<b>Slotted wall 400 reinforced</b> 355 x 180 x 22 mm, without base stop with aluminum reinforcement
3518.022.992	<b>Slotted wall 422</b> 355 x 180 x 22 mm, with base stop 22
3518.922.992	<b>Slotted wall 422 reinforced</b> 355 x 180 x 22 mm, with base stop 22 with aluminum reinforcement
3518.032.992	<b>Slotted wall 432</b> 355 x 180 x 32 mm, with base stop 32
3518.932.992	<b>Slotted wall 432 reinforced</b> 355 x 180 x 32 mm, with base stop 32 with aluminum reinforcement

Double slotted wall 400 / 422 / 432 

**dpvlink 4782**

Article	Type
3535.000.992	<b>Double slotted wall 400</b> 355 x 345 x 22 mm, without base stop
3535.900.992	<b>Double slotted wall 400 reinforced</b> 355 x 345 x 32 mm, without base stop with aluminum reinforcement
3535.022.992	<b>Double slotted wall 422</b> 355 x 345 x 22 mm, with base stop 22
3535.922.992	<b>Double slotted wall 422 reinforced</b> 355 x 345 x 32 mm, with base stop 22 with aluminum reinforcement
3535.032.992	<b>Double slotted wall 432</b> 355 x 345 x 32 mm, with base stop 32
3535.932.992	<b>Double slotted wall 432 reinforced</b> 355 x 345 x 32 mm, with base stop 32 with aluminum reinforcement

Slotted wall 600 / 625 



**Slotted wall 600**

Slot number: 49  
Slot width: 3.5 mm  
Slot depth: 2.5 mm  
Slot pitch: 10.16 mm

**dpvlink 4789**

Article	Type
5518.000.992	<b>Slotted wall 600 reinforced</b> 555 x 180 x 22 mm, without base stop
5518.025.992	<b>Slotted wall 625 reinforced</b> 550 x 180 x 25 mm, with base stop 25

Double slotted wall 600 / 625 

**dpvlink 4792**

Article	Type
5535.000.992	<b>Double slotted wall 600</b> 555 x 345 x 22 mm, without base stop
5535.900.992	<b>Double slotted wall 600 reinforced</b> 550 x 345 x 25 mm, without base stop with aluminum reinforcement
5535.025.992	<b>Double slotted wall 625</b> 550 x 345 x 25 mm, with base stop 25
5535.925.992	<b>Double slotted wall 625 reinforced</b> 550 x 345 x 25 mm, with base stop 25 with aluminum reinforcement

## Aluminium rack profile rails series 180



Length calculation  $X = 58 + D_1 + D_2$

**dpvlink 4797**

Article	Type
9980.074.256	Profile rail, length = 256 mm
9980.074.356	Profile rail, length = 356 mm
9980.074.556	Profile rail, length = 556 mm
9980.074.XXX	Profile rail Length... customer-specific



## Accessories for WEZ Rack series 180

**dpvlink 4803**

Article	Type
9980.076.000	Slot lock (Pack = 100 pcs)
9980.077.000	Handle 230 x 8 mm



## PCB holders WEZ Printorama

A versatile and universal frame system as tool for the production, storage and the transport of PCBs, electrostatically volume conductive 



In compliance with ESD standard DIN EN 61340-5-1 

## Printorama Secondo 400 x 300



- Fit in Euro containers 400 x 300 x 133 mm
- for PCBs with an insertion width of up to max. 335 mm
- groove length = 100 mm
- groove depth = 3 mm

**dpvlink 4828**

Article	inside LxWxH [mm]	Spacing
4310.100.992	335 x 235 x 98	5.08 mm



## Printorama Secondo 600 x 400



- Fit in Euro containers 600 x 400 x 133 mm
- for PCBs with an insertion width of up to max. 535 mm
- groove length = 100 mm
- groove depth = 3 mm

**dpvlink 4834**

Article	inside LxWxH [mm]	Spacing
6410.100.992	535 x 335 x 98	5.08 mm



## Accessories for Printorama Secondo

**dpvlink 26617**

Article	Type
9980.035.000	Secondo corner unmounted 17 x 17 x 105 mm
9980.054.994	Secondo FIX (10 pieces) for the fixed connection of the partition walls with the Secondo frame



## Printorama partition system



All frame systems of the Printorama range can be subdivided with the partition walls. The solid (aluminum-reinforced) partition wall ensures the stability that is essential for transport safety.

For setting a PCB dimension neither is a tool needed, nor must the frame be removed of the container.

In compliance with ESD standard DIN EN 61340-5-1 

Partition walls to subdivide the Printorama system, each available longitudinal and transverse, in 3 lengths (300 / 400 / 600) for a reliable mounting of your PCBs.



Die Zwischenwände weisen einen unterschiedlich versetzten Einschubkamm auf (⊕ ⊖ ⊕). Dies gewährleistet einen minimalen Unterteilungsraster von 1,7 mm.



Standard pitch P: 5,08 mm  
Groove width: 2,50 mm  
Groove depth: 3,00 mm

Available for all types (300, 400 and 600)

## Partition wall 300 standard

235 x 100 x 10 mm, groove width 2.5 mm, groove depth 3 mm

**dpvlink 4847**

Article	Type
2310.100.992	Partition wall 300 standard P = 5.08 mm normal distance (+/-0)
2310.110.992	Partition wall 300 standard P = 5.08 mm plus distance (+1.7 mm)
2310.120.992	Partition wall 300 standard P = 5.08 mm minus distance (-1.7 mm)



## Partition wall 400 standard

335 x 100 x 10 mm, groove width 2.5 mm, groove depth 3 mm

**dpvlink 4855**

Article	Type
3310.100.992	Partition wall 400 standard P = 5.08 mm normal distance (+/-0)
3310.110.992	Partition wall 400 standard P = 5.08 mm plus distance (+1.7 mm)
3310.120.992	Partition wall 400 standard P = 5.08 mm minus distance (-1.7 mm)



## Partition wall 600 standard

535 x 100 x 10 mm, groove width 2.5 mm, groove depth 3 mm

**dpvlink 4863**

Article	Type
5310.100.992	Partition wall 600 standard P = 5.08 mm normal distance (+/-0)
5310.110.992	Partition wall 600 standard P = 5.08 mm plus distance (+1.7 mm)
5310.120.992	Partition wall 600 standard P = 5.08 mm minus distance (-1.7 mm)



## PCB magazine series 600 / 700 / 800



### Series 600 - Width adjustment by screw clamp

By releasing the four screw clamps the width of the PCB magazines of the series 600 can be changed. The cost-effective version allows to push the movable sidewalls to the required PCB width.



### Series 700 - width adjustment by toothed belt

The magazines of the series 700 can be adjusted to the required width within seconds



### Series 800 - fully automatic width adjustment

The width adjustment of the series Serie 800 is fully automatic in connection with unloaders. For further information see [dplink 22506](#)

Figure series 700



Version conductive = electrostatically volume conductive  
In compliance with ESD standard DIN EN 61340-5-1 

The most important features:

- Heat resistance of polystyrene (PS) partitions up to 60°C / 50°C (insertions/environment)
- Heat resistance of plastic partitions up to 130°C / 100°C (insertions/environment) series 600 and 130°C / 80°C (insertions/environment) series 700 / 800
- Precise and quick setting on the PCB width (700 series)
- Captive transport lock to protect the PCBs
- Sequential numbers on the PCB guides facilitate the manual insertion
- Stackable
- Largest variety, measure compatible to existing systems
- Reversible for PCBs equipped on both sides



### Partly assembled

The magazine is delivered as a set consisting of a set of baseplates and a set of partitions. The final assembly is done by the customer.

### Assembled

The magazine is supplied in assembled condition.

### Adjustment to the PCB width series 700

The PCB is held between the PCB guides. By pulling the toothed belt you adjust the spacing of the sidewall. The fine adjustment is made with the deflection pulley. Only one knurled screw clamps the toothed belt and secures the movable sidewall.

### Safe guidance

The guide slots are funnel-shaped at each end in order to ensure safe insertion of PCBs. The stuck positioning stripes with yellow color markings indicate the exact placement position and prevent that the PCBs are obliquely inserted by hand.

### Transport lock

For securing the PCB, safety bars are mounted by default on the front and back of the fixed sidewall. The helical guide allows the safety bar to fall automatically into the locking position due to its own weight. For opening the transport lock the bar is moved outward until it clicks.

### Stackable

There are four knobs at the top of the magazine used to stack the magazines in a space-saving and safe way.

### Reversible

By the vertical symmetry the magazines can be placed upside down for handling PCB equipped on both sides. The standing knobs can be removed for this purpose.

### Many standard types

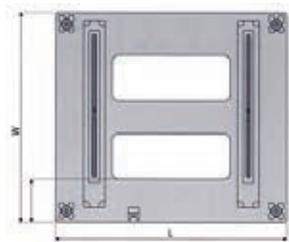
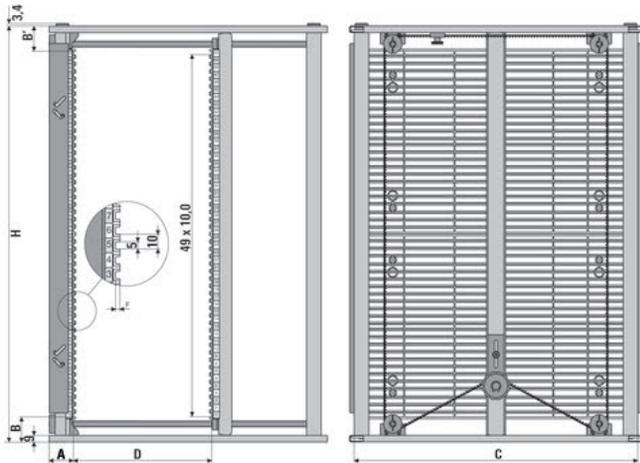
The PCB magazines are available in various standard sizes. The different types correspond to the commonly used magazine sizes on the market.

### Technical data:

Material	Polystyrene, conductive, black Metal, conductive, silver
Surface resistance	10 <sup>8</sup> - 10 <sup>9</sup> ohm 
Continuous use temperature series 600 (Insertions/environment)	100°C / 80°C plastic 200°C / 100°C metal
Continuous use temperature series 700 (Insertions/environment)	100°C / 80°C plastic 200°C / 100°C metal

- (D) = PCB width
- (C) = max. PCB length
- L = Magazine depth
- W = Magazine width
- H = Magazine height
- A = Outer edge magazine with PCB guide
- (B) = Lower edge magazine up to PCB guide
- (B)' = Top edge magazine up to PCB guide
- g = Weight kg

DIMS mm	601 / 701	602 / 702	603 / 703	704	705 / 715	706 / 716	707 / 717	708 / 718
D	10-250	10-250	10-310	10-330	10-310	10-390	10-460	10 400
C	342	387	387	447	522	522	522	522
L	355	400	400	460	535	535	535	535
W	320	320	380	400	380	460	530	470
H	563	563	563	563	570 / 563	570 / 563	570 / 563	570 / 563
A	34	34	34	34	34	34	34	34
B	34	34	34	34	41 / 34	41 / 34	41 / 34	41 / 34
B'	34	34	34	34	34	34	34	34
g	5.3	5.4	6.0	7.8	8.3	9.1	9.3	9.2



## PCB magazines series 600 PS/PC partially assembled

**Series 600 PC - width adjustment with screw clamp**  
 Partition (PS) heat resistance: 60°C insertions, 50°C environment  
 Partition (PC) heat resistance: 130°C insertions, 100°C environment

**dpvlink 5908** 

Article	Type	PCB width	PCB length
<b>PCB magazines series 600 PS/PC partially assembled</b>			
8917601	PCB magazine 601.1 PS, partially assembled	40 - 250 mm	342 mm
8917602	PCB magazine 602.1 PS	40 - 250 mm	387 mm
8917603	PCB magazine 603.1 PS	40 - 310 mm	387 mm
8916601	PCB magazine 601.2 PC	40 - 250 mm	342 mm
8916602	PCB magazine 602.2 PC	40 - 250 mm	387 mm
8916603	PCB magazine 603.2 PC	40 - 310 mm	387 mm

## PCB magazine series 600 M fully assembled

**Series 600 - width adjustment with screw clamp**  
 Partition made of metal, heat resistance: 200°C insertions, 200°C environment

**dpvlink 9811** 

Article	Type	PCB width	PCB length
<b>PCB magazine series 600 M fully assembled</b>			
8915601	PCB magazine 601.3 M	40 - 250 mm	342 mm
8915602	PCB magazine 602.3 M	40 - 250 mm	387 mm
8915603	PCB magazines 603.3 M	40 - 310 mm	387 mm

## PCB magazine series 700 PS/PC partially assembled

**Series 700 PS/PC - width setting with toothed belt**  
 Partition (PS), heat resistance: 60°C insertion, 50°C environment  
 Partition (PC), heat resistance: 130°C insertion, 80°C environment

**dpvlink 5912** 

Article	Type	PCB width	PCB length
<b>PCB magazine series 700 PS/PC partially assembled</b>			
8917701	PCB magazine 701.1 PS	40 - 250 mm	342 mm
8917702	PCB magazine 702.1 PS	40 - 250 mm	387 mm
8917703	PCB magazine 703.1 PS	40 - 310 mm	387 mm
8917704	PCB magazine 704.1 PS	10 - 330 mm	447 mm
8916701	PCB magazine 701.2 PC	40 - 250 mm	342 mm
8916702	PCB magazine 702.2 PC	40 - 250 mm	387 mm
8916703	PCB magazine 703.2 PC	40 - 310 mm	387 mm
8916704	PCB magazine 704.2 PC	10 - 330 mm	447 mm
8916716	PCB magazine 716.2 PC	10 - 390 mm	522 mm
8916717	PCB magazine 717.2 PC	10 - 460 mm	522 mm

## PCB magazine series 700 M fully assembled

**Series 700 M - width adjustment with toothed belt**  
 Partition made of metal, heat resistance: 200°C insertion, 100°C environment

**dpvlink 9815** 

Article	Type	PCB width	PCB length
<b>PCB magazine series 700 M fully assembled</b>			
8915701	PCB magazine 701.3 M	40 - 250 mm	342 mm
8915702	PCB magazine 702.3 M	40 - 250 mm	387 mm
8915703	PCB magazine 703.3 M	40 - 310 mm	387 mm
8915704	PCB magazine 704.3 M	10 - 330 mm	447 mm
8915716	PCB magazine 716.3 M	10 - 390 mm	522 mm

## Assembly magazine series 600 / 700

**dpvlink 5929** 

Article	Type
8913070.MON	<b>Magazine series 600 / 700</b> Delivery fully assembled

## PCB magazines series 800 PC partially assembled



- PCB magazines of **polycarbonate (PC)**
- Variable width adjustment with toothed belt
- motorized with **clutch disk** or by hand
- for manual or **automatic width adjustment**
- Heat resistance: 130°C insertions, 80°C environment
- **partially assembled**; therefore space-saving shipping possible

### Automatic operation:

When inserting the magazine into the loader, a wedge moves a bar outwards. When removing the magazine, the slot is locked again.

### Manual operation:

During the manual operation the bar is moved outwards when lifted and locks in the upper position. When lifted again, the slots are locked.

Article number	External dimensions			Printed circuit board		
	L mm	W mm	H mm	Width min. mm	Width max. mm	Length max. mm
8918801	355	320	563	40	250	342
8918802	400	320	563	40	250	387
8916745	400	380	563	40	310	387
8918804	460	500	563	10	330	447
8916816	535	460	563	10	390	522
8916817	535	530	563	10	460	522

### dpvlink 22355

Article	Type	PCB width	PCB length
<b>PCB magazines series 800 PC partially assembled</b>			
8918801	PCB magazine 801.2 PC	40 - 250 mm	342 mm
8918802	PCB magazine 802.2 PC	40 - 250 mm	387 mm
8916745	PCB magazine 803.2 PC	40 - 310 mm	387 mm
8918804	PCB magazine 804.2 PC	10 - 330 mm	447 mm
8916815	PCB magazine 815.2 PC	10 - 310 mm	522 mm
8916816	PCB magazine 816.2 PC	10 - 390 mm	522 mm
8916817	PCB magazine 817.2 PC	10 - 460 mm	522 mm

## PCB magazines series 800 PS partially assembled



- PCB magazines of **polystyrene (PS)**
- Variable width adjustment with toothed belt
- motorized with **clutch disk** or by hand
- for manual or **automatic width adjustment**
- Heat resistance: 60°C insertions, 50°C environment
- **partially assembled**; therefore space-saving shipping possible

Article number	External dimensions			Printed circuit board		
	L mm	W mm	H mm	Width min. mm	Width max. mm	Length max. mm
8919801	355	320	563	40	250	342
8919802	400	320	563	40	250	387
8919803	400	380	563	40	310	387
8919804	460	400	563	10	330	447

### dpvlink 22506

Article	Type	PCB width	PCB length
<b>PCB magazines series 800 PS partially assembled</b>			
8919801	PCB magazine 801.1 PS	40 - 250 mm	342 mm
8919802	PCB magazine 802.1 PS	40 - 250 mm	387 mm
8919803	PCB magazine 803.1 PS	40 - 310 mm	387 mm
8919804	PCB magazine 804.1 PS	10 - 330 mm	447 mm

## PCB magazines series 800 M fully assembled



- PCB magazines of **metal (M)**
- Variable width adjustment with toothed belt
- motorized with **clutch disk** or by hand
- for manual or **automatic width adjustment**
- Heat resistance: 200°C insertions, 100°C environment
- expeditiously **fully assembled**

### dpvlink 22357

Article	Type	PCB width	PCB length
<b>PCB magazines series 800 M fully assembled</b>			
8915801	PCB magazine 801.3 M	40 - 250 mm	342 mm
8916740	PCB magazine 802.3 M	40 - 250 mm	387 mm
8915803	PCB magazine 803.3 M	40 - 310 mm	387 mm
8915804	PCB magazine 804.3 M	10 - 330 mm	447 mm
8915816	PCB magazine 816.3 M	10 - 390 mm	522 mm
8915817	PCB magazine 817.3 M	10 - 460 mm	522 mm

## Accessories for cab PCB magazines of series 600, 700 and 800

### dpvlink 22468

Article	Type	PU
8916571	Slot lock 1-fold for PCB magazines	100 piece
8916575	Slot lock 5-fold for PCB magazines	20 piece
8913416	Bracket for accompanying documents	1 piece
8916411	ESD Protective cover 601/701/801	10 piece
8916412	ESD Protective cover 602/702/802	10 piece
8916413	ESD Protective cover 603/703/803	10 piece
8916414	ESD Protective cover 704/804	10 piece
8916416	ESD Protective cover 706/716/806/816	10 piece
8916417	ESD Protective cover 707/717/807/817	10 piece

PCB magazine Quickfill



- Stable and robust plastic construction with metal reinforcement
- Compatible with the common placement machines
- Reliable fixation of set PCB widths
- No abrasion of moving parts
- Capacity for 50 PCBs
- Plastic parts: conductive PS (temperature-resistant up to 60°C) or conductive ABS/PC (temperature-resistant up to 110°C)
- Top/base: galvanized steel
- electrostatically dissipative
- Groove width: 5 mm
- Groove depth: 3.5 mm
- Groove pitch: 10 mm
- Delivery: disassembled, packed in box with assembly instructions

PCB magazine Quickfill with screw clamp

Article	Type
152.3060	<b>Quickfill magazine PS-3060</b> Dimensions 400 x 460 x 563 mm (W x D x H) PCB width 100 - 310 mm temperature-resistant up to max 60°C
152.1120	<b>Quickfill magazine ABS-1120</b> Dimensions 400 x 460 x 563 mm (W x D x H) PCB width 50 - 300 mm temperature-resistant up to max. 110°C

PCB magazine Quickfill with quick-clamping adjustment

Article	Type
152.4060	<b>Quickfill magazine PS-4060</b> Dimensions 320 x 355 x 563 mm (W x D x H) PCB width 50 - 250 mm temperature-resistant up to max 60°C
152.6060	<b>Quickfill magazine PS-6060</b> Dimensions 400 x 460 x 563 mm (W x D x H) PCB width 100 - 310 mm temperature-resistant up to max 60°C
152.7060	<b>Quickfill magazine PS-7060</b> Dimensions 460 x 535 x 570 mm (W x D x H) PCB width 50 - 390 mm temperature-resistant up to max 60°C
152.2120	<b>Quickfill magazine ABS-2120</b> Dimensions 320 x 355 x 563 mm (W x D x H) PCB width 50 - 250 mm temperature-resistant up to max 110°C
152.3020	<b>Quickfill magazine ABS-3020</b> Dimensions 460 x 535 x 570 mm (W x D x H) PCB width 50 - 390 mm temperature-resistant up to max 110°C

DPV Transport trolleys

Transport trolley type 500 ABS



Suitable for Euro containers 600 x 400 mm and 400 x 300 mm

In compliance with ESD standard DIN EN 61340-5-1

**Very stable conductive ABS black plastic frame.** High load capacity. High quality, maintenance-free wheel equipment. 4 smooth-running swivel castors, non-marking with conductive thermoplastic wheel (Ø 75 mm or Ø 100 mm). Forks and screw connections galvanized.  
Internal dimensions: 605 x 405 mm. Profile height inside 20 mm.



The frame profile includes the external edges of the container

Stacking trolley

for up to 15 transport trolleys. 4 ESD swivel castors, with rubber wheels



Pull rod for transport trolley type 500 / type 600 bright galvanized

Article	Ausführung
5391.500	<b>Transport trolley type 500 ABS</b> 4 swivel castors ESD Ø 75 mm, Loading capacity max.: 200 kg, external dimension: 620 x 420 x 140 mm.
5391.501	<b>Transport trolley type 501 ABS</b> 4 swivel castors ESD Ø 75 mm (2x with lock), payload max.: 200 kg, dimensions: 620 x 420 x 140 mm outside.
5391.510	<b>Transport trolley type 510 ABS</b> 4 swivel castors ESD Ø 100 mm, Loading capacity max.: 250 kg, external dimension: 620 x 420 x 175 mm.
5391.511	<b>Transport trolley type 511 ABS</b> 4 swivel castors ESD Ø 100 mm (2x with lock), payload max.: 250 kg, dimensions: 620 x 420 x 175 mm outside.
5391.535.ZS5	<b>Pull rod for type 500 / type 600</b>
5391.536	<b>Stacking trolley ESD for type 500</b>

## Transport trolley type 600 ABS



### Transport trolley of conductive ABS, black

- very stable plastic frame
- suitable for Euro container 600 x 400 mm and 400 x 300 mm
- Load capacity up to max. 200 kg
- External dimensions: 581 x 381 x 131 mm
- first-class, maintenance-free wheel equipment

In compliance with ESD standard DIN EN 61340-5-1 



The frame profile comprises the container stacking edges



### Stacking trolley

for up to 15 transport trolleys. 4 ESD swivel castors, with rubber wheels



**Pull rod** for transport trolley type 500 / type 600, glossy chromed

Article no. 5391.535.ZS5

**dpvlink 17478**



Article	Ausführung
5391.600	<b>Transport trolley type 600 ABS</b> 4 swivel castors ESD Ø 75 mm, load max. 200 kg, dimensions: 581 x 381 x 131 mm outside
5391.601	<b>Transport trolley type 601 ABS</b> 4 swivel castors ESD Ø 75 mm (2x with lock), payload max.: 200 kg, dimensions: 581 x 381 x 131 mm outside.
5391.610	<b>Transport trolley type 610 ABS</b> 4 swivel castors ESD Ø 100 mm, load max. 200 kg, dimensions: 581 x 379 x 158 mm outside
5391.611	<b>Transport trolley type 611 ABS</b> 4 swivel castors ESD Ø 100 mm (2x with lock), payload max.: 200 kg, dimensions: 581 x 379 x 158 mm outside.
5391.636	<b>Stacking trolley ESD for type 600</b>

## Transport trolley type 100

**Transport trolley type 100** – suitable for Euro containers, transport containers and PCB magazines.

Galvanized metal construction, 4 swivel castors, solid rubber, black conductive, Ø 100 mm, smooth rolling, load capacity 150-200 kg

**Version trolley non-marking / ELS:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive.

In compliance with ESD standard DIN EN 61340-5-1 



**Pull rod** for transport trolley type 100/101, bright galvanized (article no. 5390.100.ZS1)



The **transport trolley type 100** is available in different versions. A difference is made between the standard castors, that may leave contact marks on the floor, and the non-marking castors, equipped with a thermoplastic, non-marking rubber tread.

Both castor types are **optionally** also available **with locks**. Two of the 4 swivel castors are equipped with locks.

## Transport trolley type 100 without lock



### Without lock/brake

<b>dpvlink 1906</b>					
Article	Type	D [mm]	W [mm]	Payload	
5390.100.3	Trolley	410	610	200 kg	
5390.100.3.ELS	Trolley non-marking	410	610	200 kg	
5390.100.74	Trolley	410	710	180 kg	
5390.100.74.ELS	Trolley non-marking	410	710	180 kg	
5390.100.84	Trolley	410	810	150 kg	
5390.100.84.ELS	Trolley non-marking	410	810	150 kg	

### Accessories

5390.100.ZS1 Pull rod

## Transport trolley type 101 with lock



### with brake/lock

<b>dpvlink 18028</b>					
Article	Type	D [mm]	W [mm]	Payload	
5390.101.64	Trolley with lock	410	610	200 kg	
5390.101.64.ELS	Trolley non-marking with lock	410	610	200 kg	
5390.101.74	Trolley with lock	410	710	180 kg	
5390.101.74.ELS	Trolley non-marking with lock	410	710	180 kg	
5390.101.84	Trolley with lock	410	810	150 kg	
5390.101.84.ELS	Trolley non-marking with lock	410	810	150 kg	
5390.101.86	Trolley with lock	610	810	150 kg	
5390.101.86.ELS	Trolley non-marking with lock	610	810	150 kg	
5390.100.ZS1	Pull rod				

- Special versions available on request -

**Transport trolley type 120 with handle**

**Transport trolley type 120 with handle** - suitable for Euro containers, transport containers and PCB magazines

Galvanized metal construction, 2 swivel and 2 fixed castors, solid rubber black, conductive, Ø 100 mm, smooth rolling properties, load capacity 150-200 kg.

**Version non-marking trolley / ELS:** wheel body of polypropylene, equipped with thermoplastic, non-marking rubber thread, conductive.

In compliance with ESD standard DIN EN 61340-5-1 ⚠



The **transport trolley type 120** is available in different versions. A difference is made between the standard castors, that may leave contact marks on the floor, and the non-marking castors, equipped with a thermoplastic, non-marking rubber tread.

Both castor types are **optionally** also available **with locks/brake**. The transport trolley type 121 has two swivel and two fixed castors, the two swivel castors are equipped with locks.

**Transport trolley type 120 with handle without lock**

**without lock/brake**



**dpvlink 8172**

Article	Type	D [mm]	W [mm]	Payload
5390.120.3	with handle	410	610	200 kg
5390.120.3.ELS	with handle, non-marking	410	610	200 kg
5390.120.74	with handle	410	710	180 kg
5390.120.74.ELS	with handle, non-marking	410	710	180 kg
5390.120.84	with handle	410	810	150 kg
5390.120.84.ELS	with handle, non-marking	410	810	150 kg

**Transport trolley type 120 mit handle and lock**

**with lock/brake**



**dpvlink 18035**

Article	Type	D [mm]	W [mm]	Payload
5390.121.64	with handle and lock	410	610	200 kg
5390.121.64.ELS	with handle and lock, non-marking	410	610	200 kg
5390.121.74	with handle and lock	410	710	180 kg
5390.121.74.ELS	with handle and lock, non-marking	410	710	180 kg
5390.121.84	with handle and lock	410	810	150 kg
5390.121.84.ELS	with handle and lock, non-marking	410	810	150 kg
5390.121.86	with handle and lock	610	810	150 kg
5390.121.86.ELS	with handle and lock, non-marking	610	810	150 kg

- Special versions available on request -

**ESD Folding trolley aluminium**



Trolley with aluminium tube and platform

- handlebar folding onto platform
- 2 ESD swivel castors with brake and 2 ESD fixed castors
- electrically conductive solid rubber tire Ø 125 mm or 160 mm
- load capacity 150 kg
- weight: approx. 11 - 18 kg

In compliance with ESD standard DIN EN 61340-5-1 ⚠

**dpvlink 11214**

Article	Type	D [mm]	W [mm]	Load capacity
091.1133.ESD	with handle	450	720	150 kg
091.1134.ESD	with handle	600	900	150 kg

**Transport trolley type 400**

Transport trolley made of conductive polypropylene, black

- low weight
- suitable for Euro containers 600 x 400 mm and 400 x 300 mm
- Load capacity up to 100 kg
- External dimensions: 620 x 420 mm
- ESD swivel castors with thermoplastic rubber tread

In compliance with ESD standard DIN EN 61340-5-1 ⚠



**dpvlink 15658**

Article	Ausführung
5391.400-PO	<b>Transport trolley type 400-PO</b> 4 ESD swivel castors Ø = 100 mm Weight: 4.5 kg

## ESD Transport trolley type 700 Maxi FLEX standard



The innovative transport trolley Maxi FLEX of the *EPAmove*® series by DPV is a light-weight and at the same time very robust. It ensures maximum flexibility with its different sizes and stays safe and stable during the transportation of e.g. Euro containers, magazines and pallets.



- Robust frame of heat-hardened aluminium cavity profile
- black conductive ABS plastic corners
- load capacity up to max. 200 kg, evenly distributed load
- low dead weight (from approx. 4 kg)
- 4 non-marking ESD swivel castors (2x with locks)
- for standard Euro containers with dimensions
  - 600 x 400 mm
  - 800 x 400 mm
  - 800 x 600 mm
  - 1200 x 800 mm



Made in Germany



Very robust, large aluminium frame  
frame height 20 mm, supporting surface 50 mm



Excellent quality



loadable up to 200 kg



1. Aluminum cavity profile  
T66 aluminium, heat-hardened according to DIN 1748
2. Innovative aluminum / plastic construction
3. Loadable construction up to 200 kg  
Pay-/surface load: max. 200 kg (at evenly distributed load)
4. ESD-compliant according to DIN EN 61340-5-1  
dissipative castors  
conductive ABS plastic parts  
conductive aluminum
5. Non-marking ESD smooth-running swivel castors  
dissipative castors  
2x castors with locks
6. Made in Germany
7. Supporting surface of 50 mm on all sides
8. Frame height 20 mm  
The frame profil comprises the external edge of the container for a safe, slip-resistant position of your containers during transportation

- standard sizes available ex warehouse
- delivery completely mounted
- lightweight and stable

**dpvlink 17882**



Article	Ausführung
5391.700.0600x0400	<b>Type 700 Maxi Flex 600x400</b> External dimensions: 630 x 430 x 175 mm, internal dimensions: 605 x 405 x 156 mm, weight 4.8 kg
5391.700.0700x0400	<b>Type 700 Maxi Flex 700x400</b> External dimensions: 730 x 430 x 175 mm, internal dimensions: 705 x 405 x 156 mm, weight 5.0 kg
5391.700.0800x0400	<b>Type 700 Maxi Flex 800x400</b> External dimensions: 830 x 430 x 175 mm, internal dimensions: 805 x 405 x 156 mm, weight 5.2 kg
5391.700.0800x0600	<b>Type 700 Maxi Flex 800x600</b> External dimensions: 830 x 630 x 175 mm, internal dimensions: 805 x 605 x 156 mm, weight 5.6 kg
5391.700.1200x0800	<b>Type 700 Maxi Flex 1200x800</b> External dimensions: 1235 x 835 x 200 mm, internal dimensions: 1210 x 810 x 181 mm, weight 7.8 kg



All information about the ESD transport trolleys **type 700 Maxi FLEX** and **type 500 ABS | type 600 ABS** of the brande *EPAmove*® is clearly summarized in the current leaflet available

- as online catalogue
- as download

**ESD Transport trolley type 700 Maxi FLEX individual**



Individual dimensions for containers, magazines or pallets with special sizes are available for the MaxiFlex transport trolley of the EPAmove® series.

**Advantage towards standard size:**

- special sizes of existing containers can be still used
- no change of the production and manufacturing equipment
- quick and custom-fit manufacture
- loadable up to 200 kg event with large dimensions
- available from 1 piece
- robust frame of heat-hardened aluminum cavity profile
- black conductive ABS plastic corners
- load capacity up to max. 200 kg, evenly distributed load
- low dead weight (from approx. 4 kg)
- 4 non-marking ESD swivel castors (2x with locks)



**Available in your PREFERRED size**

We can offer you the innovative modular system in sizes with the internal dimension from 370 x 370 mm to 1,200 x 1,000 mm, suitable for your containers, magazines and pallets.



**Adapted to your individual requests:**

- available in your preferred size from 1 piece
- dimensions from 370 x 370 mm to 1,200 x 1,000 mm
- frame height 20 mm
- supporting surface 50 mm
- short delivery time
- delivery completely mounted
- lightweight



In compliance with ESD standard DIN EN 61340-5-1

dpvlink 17883

Article	Ausführung
5391.700.Spez	<b>ESD transport trolley type 700 Maxi Flex</b> Individual internal dimensions according to customer's specifications (from 370 x 370 mm to 1,200 x 1,000 mm)



**Transport trolley 615 x 415 mm**



**Suitable for Euro containers 600 x 400 mm and 400 x 300 mm**

In compliance with ESD standard DIN EN 61340-5-1

**ESD swivel castors** of polypropylene, equipped with thermoplastic, non-marking rubber thread, conductive.



**Two-storied transport trolley adjustable / inclinable**

Galvanized metal bracket construction, 4 swivel castors, ESD Ø 75 mm (2x with lock), smooth rolling properties, load capacity max. 150 kg, weight 12.8 kg.



**Transport trolley, two-storied**

- Distance upper/lower shelf approx. 350 mm
- Distance upper/lower shelf approx. 470 mm
- Distance upper/lower shelf approx. 550 mm



**Transport trolley, one-storied**

Galvanized metal bracket construction, 4 swivel castors, ESD Ø 75 mm, smooth rolling properties, load capacity max. 150 kg.



**Pull rod** for transport trolley type 200, bright galvanized

dpvlink 1909

Article	Type	D [mm]	W [mm]	H [mm]
5391.205	Transport trolley, double storied, adjustable / inclinable	420	620	510
5391.206	Transport trolley, double storied, adjustable / inclinable	420	620	630
5391.207	Transport trolley, double storied, adjustable / inclinable	420	620	710
5391.210	Transport trolley, one-storied, adjustable / inclinable	420	620	135
5391.200.ZS2	Pull rod			



- Special versions available on request -

## DPV Shelf trolleys

The stable and robust DPV shelf trolley of the *EPAmove*® series is optimal for the use in any manufacturing site. Due to the height-adjustable and tiltable shelves an adaptation to many applications is possible at any time. Different dimensions and heights are available.

In compliance with ESD standard DIN EN 61340-5-1 

**EPA**move



- material: galvanized steel
- stable base frame
- 4 shelves
- 4 ESD swivel castors, 2 with locks of black solid rubber
- Version ELS with grey, non-marking ESD swivel castors
- handles on both sides
- payload up to 250 kg
- payload per shelf up to 80 kg
- shelves height-adjustable (25 mm grid) and tiltable (not with type 1207 and 1208 - bottom shelf fixed)
- simple do-it-yourself assembly

### Optional accessories:

- additional shelf of galvanized steel, including screw kit



- slip-resistant mat of ESD grooved covering NBR as set of 4



## Shelf trolley type 1207 / 1208

**DPV**  
ELEKTRONIK 

Shelf trolley with 4 shelves

Dimensions: **536 x 776 mm**, available in height 1286 and 1750 mm

- 3 shelves adjustable/tiltable  
internal dimensions: **405 x 610 mm**
- 1 fixed bottom shelf  
internal dimensions: **490 x 625 mm**
- total payload max. 250 kg
- payload per shelf max. 80 kg
- 4 conductive swivel castors Ø 100 mm
- 2 castors with lock
- stable metal construction (galvanized) with 2 handles

In compliance with ESD standard DIN EN 61340-5-1 

**Version ELS with grey, non-marking ESD swivel castors**

Available with two different heights:

**EPA**move



### dpvlink 1912

Article	Type	D [mm]	W [mm]	H [mm]
5390.1207	Shelf trolley type 1207	536	776	1286
5390.1207.ELS	Shelf trolley type 1207, non-marking	536	776	1286
5390.1208	Shelf trolley type 1208	536	776	1750
5390.1208.ELS	Shelf trolley type 1208, non-marking	536	776	1750



- Special versions on request -

## Accessories for type 1207 / 1208

**DPV**  
ELEKTRONIK 

### dpvlink 8195

Article	Ausführung
5390.1207.2	<b>Additional shelf type 1207 / 1208</b> Internal dimensions: 405 x 610 x 26 mm
1451.7500.1207	<b>Grooved covering NBR mats for type 1207 / 1208</b> Set with 4 mats



## Shelf trolley type 1213 / 1214



Shelf trolley with 4 shelves

Dimensions: **660 x 990 mm**, available in height 1310 and 1780 mm

- 4 shelves adjustable/tiltable (internal dimensions: **610 x 820 mm**)
- total payload max. 250 kg
- payload per shelf max. 80 kg
- 4 conductive swivel castors Ø 125 mm
- 2 castors with lock
- stable metal construction (galvanized) with 2 handles

In compliance with ESD standard DIN EN 61340-5-1

**Version ELSwith grey, non-marking ESD swivel castors**

Available with two different heights:



### dpvlink 8194

Article	Type	D [mm]	W [mm]	H [mm]	
5390.1213	Shelf trolley type 1213	660	990	1310	
5390.1213.ELS	Shelf trolley type 1213, non-marking	660	990	1310	
5390.1214	Shelf trolley type 1214	660	990	1780	
5390.1214.ELS	Shelf trolley type 1214, non-marking	660	990	1780	

- Special versions available on request -

## Accessories for type 1213 / 1214



### dpvlink 8197

Article	Ausführung	
5390.1213.2	<b>Additional shelf type 1213 / 1214</b> Internal dimensions: 610 x 820 x 26 mm	
1451.7500.1213	<b>Grooved covering NBR mats for type 1213 / 1214</b> Set with 4 mats	

## Shelf trolley type 1217 / 1218



Shelf trolley with 4 shelves

Dimensions: **570 x 1150 mm**, available in height 1310 and 1780 mm

- 3 shelves adjustable/tiltable (internal dimensions: **430 x 990 mm**)
- 1 fixed bottom shelf (internal dimensions: **520 x 990 mm**)
- total payload max. 250 kg
- payload per shelf max. 80 kg
- 4 conductive swivel castors Ø 125 mm
- 2 castors with lock
- stable metal construction (galvanized) with 2 handles

In compliance with ESD standard DIN EN 61340-5-1

**Version ELSwith grey, non-marking ESD swivel castors**

Available with two different heights:



### dpvlink 8193

Article	Type	D [mm]	W [mm]	H [mm]	
5390.1217	Shelf trolley type 1217	570	1150	1310	
5390.1217.ELS	Shelf trolley type 1217, non-marking	570	1150	1310	
5390.1218	Shelf trolley type 1218	570	1150	1780	
5390.1218.ELS	Shelf trolley type 1218, non-marking	570	1150	1780	

- Special versions available on request -

## Accessories for type 1217 / 1218



### dpvlink 8196

Article	Ausführung	
5390.1217.2	<b>Additional shelf type 1217 / 1218</b> Internal dimensions: 430 x 990 x 26 mm	
1451.7500.1217	<b>Grooved covering NBR mats for type 1217 / 1218</b> Set with 4 mats	

## Transport trolleys others

### ESD pallet dolly



- 4 corner supports
- TPE tyres Ø 200
- hubs with ball bearing
- 2 swivel and 2 fixed castors
- rolling and swivelling resistance
- tyres non-marking
- in compliance with the standard EN 1757-3

dpvlink 19101

Article	Type	H [mm]	Load capacity
091.23799.ESD	ESD pallet dolly loading area 810 x 610 mm	329 mm	750 kg
091.23800.ESD	ESD pallet dolly loading area 1010 x 810 mm	329 mm	750 kg
091.23801.ESD	ESD pallet dolly loading area 1210 x 810 mm	329 mm	750 kg
091.23802.ESD	ESD pallet dolly loading area 1210 x 1010 mm	329 mm	750 kg



### ESD Euro box trolley



#### Euro box trolley:

Total height:	209 mm
Load capacity:	250 kg
Shelf dimensions:	605 x 408 mm
Wheel Ø:	125 mm

dpvlink 20569

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.93580	Euro box trolley ESD	611	414	209	250 kg
091.93581	Euro box trolley ESD with base plate	611	414	209	250 kg



### ESD hand truck

#### ESD hand truck



#### 091.B9125

Blade: 320x250 mm  
Load capacity: 200 kg  
Total height: 1150 mm  
Wheel Ø: 260 mm

#### 091.B9116

Blade: 480x300 mm  
Load capacity: 250 kg  
Total height: 1150 mm  
Wheel Ø: 260 mm

#### 091.B9331

Blade: 480x300 mm  
Load capacity: 300 kg  
Total height: 1300 mm  
Wheel Ø: 260 mm

dpvlink 24635

Article	Type	W [mm]	D [mm]	H [mm]	Load capacity
091.B9125	ESD hand truck blade 320x250 mm	570	533	1150	200 kg
091.B9116	ESD hand truck blade 480x300 mm	590	505	1150	250 kg
091.B9331	ESD hand truck blade 480x300 mm	580	623	1300	300 kg



## Table trolleys

ESD compatible table trolley for the electronics industry, ideal as a transport, materials and picking trolley.



In compliance with ESD standard DIN EN 61340-5-1 

#### Construction

Steel tube and profile steel welded, electrostatically dissipative powder coating, slate grey. Stable screw and plug construction. Bases made of HPL composite plate, electrostatically dissipative, light grey. 2 ESD swivel and 2 ESD fixed castors, TPE tires electrostatically dissipative. Locks on the swivel castors.

#### OPTIONALLY FOR EXTRA CHARGE:

#### TOTALSTOP - the fetra central braking system

Optionally available for all fetra trolleys!



Innovative, comfortable, ergonomical and safe: The braking system developed by fetra can be easily locked and released with one foot kick. Apart from the rotating of the wheels the swivelling of both swivel castors is also safely locked. This prevents dangerous situations caused by lateral swiveling of the braked trolley. The central arrangement allows the operator to have a look at the brake pedal at any time and to use it at any castor position. The rubber castor lock works efficiently on all kinds of tyres and is very easily adjustable

### ESD Open cart



#### Push handle cart

Total height:	950 / 990 mm
Load capacity:	totally 600 kg
Shelf dimensions:	850 x 500 mm
	1000 x 600 mm
	1000 x 700 mm
	1200 x 800 mm
Wheel Ø:	160 bzw. 200 mm



dpvlink 12835

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9500	Open cart loading bed 850 x 500 mm	970	509	950	500 kg
091.9501	Open cart loading bed 1000 x 600 mm	1120	609	990	600 kg
091.9502	Open cart loading bed 1000 x 700 mm	1120	709	990	600 kg
091.9503	Open cart loading bed 1200 x 800 mm	1320	809	990	600 kg



**ESD Paneled end platform cart**



**Push handle cart**

Total height: 950 / 990 mm  
 Load capacity: totally 600 kg  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 1000 x 700 mm  
 1200 x 800 mm  
 Wheel Ø: 160 bzw. 200 mm

End walls made of wire mesh 50 x 50 x 4 mm.  
 The height is 500 mm.



**dpvlink 12840**

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9510	Paneled end platform cart loading bed 850 x 500 mm	970	509	950	500 kg
091.9511	Paneled end platform cart loading bed 1000 x 600 mm	1120	609	990	600 kg
091.9512	Paneled end platform cart loading bed 1000 x 700 mm	1120	709	990	600 kg
091.9513	Paneled end platform cart loading bed 1200 x 800 mm	1320	809	990	600 kg



**ESD 2-shelf dolly**



- shelf height: 195 / 770 mm
- load capacity 250 kg in total / 100 kg upper load area
- 2 swivel / 2 fixed castors
- TPE-ESD diameter 125 mm
- hub with ball bearing
- in compliance with the standard EN 1757-3

**dpvlink 19096**

Article	Type	W [mm]	H [mm]	Load capacity
091.1820	ESD 2-shelf dolly	450	910	250 kg



**ESD storage trolley**



**Storage trolley**

Total height: 639 / 970 mm  
 Shelf height: 201 / 630 mm  
 Load capacity: 250 kg  
 upper shelf max. 100 kg  
 Shelf dimensions: 605 x 408 mm  
 Wheel Ø: 125 mm

**dpvlink 20572**

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.93540	ESD storage trolley 610 x 410 mm	677	414	639	250 kg
091.935400-B	ESD storage trolley with push bar 610 x 410 mm	747	414	970	250 kg



**2-shelf table trolley**



**Trolley with 2 shelves**

Total height: 867 / 908 mm  
 Shelf height: 160 mm wheel: 235 / 867 mm  
 200 mm wheel: 277 / 907 mm  
 Load capacity: totally 600 kg,  
 upper shelf max. 200 kg  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 1000 x 700 mm  
 1200 x 800 mm  
 Wheel Ø: 160 mm or 200 mm



**dpvlink 12845**

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9400	2-shelf trolley loading bed 850 x 500 mm	1040	509	867	500 kg
091.9401	2-shelf trolley loading bed 1000 x 600 mm	1190	609	908	600 kg
091.9402	2-shelf trolley loading bed 1000 x 700 mm	1190	709	908	600 kg
091.9403	2-shelf trolley loading bed 1200 x 800 mm	1390	809	908	600 kg



**2-shelf table trolley**



**Trolley with 2 shelves**

Total height: 1020 mm  
 Shelf height: 207 / 827 mm  
 Load capacity: totally max. 300 kg,  
 upper shelf max. 80 kg  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 Wheel Ø: 125 mm

**dpvlink 8096**

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.1840	2-shelf trolley loading bed 850 x 500 mm	980	509	1020	300 kg
091.1841	2-shelf trolley loading bed 1000 x 600 mm	1130	609	1020	300 kg



**3-shelf table trolley**



**Trolley with 3 shelves**

Total height: 1020 mm  
 Shelf height: 207 / 517 / 827 mm  
 Load capacity: totally max. 300 kg,  
 upper and the middle shelves max. 80 kg  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 Wheel Ø: 125 mm

**dpvlink 8099**

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.1850	3-shelf trolley loading bed 850 x 500 mm	980	509	1020	300 kg
091.1851	3-shelf trolley loading bed 1000 x 600 mm	1130	609	1020	300 kg



### 2-shelf table trolley



#### Trolley with 2 shelves

Total height: 1020 mm  
 Shelf height: 206 / 826 mm  
 Load capacity: totally max. 300 kg,  
 upper shelf max. 80 kg  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 Box internal dimensions: 810 x 445 x 45 mm  
 960 x 545 x 45 mm  
 Wheel Ø: 125 mm



#### dpvlink 8102

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.1861	2-shelf trolley loading bed 1000 x 600 mm	1130	609	1020	300 kg



### 2-shelf table trolley



#### Trolley with 2 shelves

Total height: 1020 mm  
 Shelf height: 206 / 827 mm  
 Load capacity: totally max. 300 kg,  
 upper shelf max. 80 kg  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 Box internal dimensions: 810 x 445 x 45 mm  
 (WxDxH) 960 x 545 x 45 mm  
 Wheel Ø: 125 mm



#### dpvlink 8105

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.1870	2-shelf trolley loading bed 850 x 500 mm	980	509	1020	300 kg
091.1871	2-shelf trolley loading bed 1000 x 600 mm	1130	509	1020	300 kg



### 3-shelf table trolley



#### Trolley with 3 shelves

Total height: 1020 mm  
 Shelf height: 206 / 514 / 826 mm  
 Load capacity: totally max. 300 kg,  
 max. 80 kg on the upper  
 and middle shelves  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 Box internal dimensions: 810 x 445 x 45 mm  
 (WxDxH) 960 x 545 x 45 mm  
 Wheel Ø: 125 mm



#### dpvlink 8108

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.1880	3-shelf trolley loading bed 850 x 500 mm	980	509	1020	300 kg
091.1881	3-shelf trolley loading bed 1000 x 600 mm	1130	609	1020	300 kg



### 2-shelf table trolley with trays



**2-shelf trolley, powder-coated, with steel plate trays, edge height 40 mm, horizontal handle**



Total height: 870 mm / 910 mm  
 Shelf height: with 160 mm wheel: 207/829 mm  
 with 200 mm wheel: 248/870 mm  
 Capacity: totally max 400 kg,  
 upper max. 200 kg  
 Loading bed: 850 x 500 mm  
 1000 x 700 mm  
 Wheel Ø: 160 mm or 200 mm

#### dpvlink 24605

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9820	2-shelf trolley loading bed 850 x 500 mm	1021	500	870	400 kg
091.9822	2-shelf trolley loading bed 1000 x 700 mm	1171	700	910	400 kg



#### Accessories

1451.7500.9820 Grooved covering for table trolley 850 x 500 mm

1451.7500.9822 Grooved covering for table trolley 1000 x 700 mm

### 3-shelf table trolley with trays



**3-shelf trolley, powder-coated, with steel plate trays, edge height 40 mm, horizontal handle**



Total height: 870 mm / 910 mm  
 Shelf height: 160 mm wheel: 207/519/829 mm  
 200 mm wheel: 248/560/870 mm  
 Capacity: totally max 400 kg,  
 upper max. 200 kg  
 Loading bed: 850 x 500 mm  
 1000 x 700 mm  
 Wheel Ø: 160 mm or 200 mm

#### dpvlink 24608

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9830	3-shelf trolley loading bed 850 x 500 mm	1021	500	870	400 kg
091.9832	3-shelf trolley loading bed 1000 x 700 mm	1171	700	910	400 kg



#### Accessories

1451.7500.9820 Grooved covering for table trolley 850 x 500 mm

1451.7500.9822 Grooved covering for table trolley 1000 x 700 mm

### 2-shelf table trolley with trays



**2-shelf trolley, powder-coated, with steel plate trays, edge height 40 mm, high handle**



Total height: 1065 mm / 1105 mm  
 Shelf height: with 160 mm wheel: 207/829 mm  
 with 200 mm wheel: 248/870 mm  
 Capacity: totally max 400 kg,  
 upper max. 200 kg  
 Loading bed: 850 x 500 mm  
 1000 x 700 mm  
 Wheel Ø: 160 mm or 200 mm

#### dpvlink 24613

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9920	2-shelf trolley loading bed 850 x 500 mm	986	500	1065	400 kg
091.9922	2-shelf trolley loading bed 1000 x 700 mm	1136	700	1105	400 kg



#### Accessories

1451.7500.9820 Grooved covering for table trolley 850 x 500 mm

1451.7500.9822 Grooved covering for table trolley 1000 x 700 mm

## 3-shelf table trolley with trays



**3-shelf trolley**, powder-coated, with steel plate trays, edge height 40 mm, high handle



Total height: 1065 mm / 1105 mm  
 Shelf height: 160 mm wheel: 207/519/829 mm  
 200 mm wheel: 248/560/870 mm  
 Capacity: totally max 400 kg,  
 upper max. 200 kg  
 Loading bed: 850 x 500 mm  
 1000 x 700 mm  
 Wheel Ø: 160 mm or 200 mm

dpvlink 24616



Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9930	3-shelf trolley loading bed 850 x 500 mm	986	500	1065	400 kg
091.9932	3-shelf trolley loading bed 1000 x 700 mm	1136	700	1105	400 kg

### Accessories

- 1451.7500.9820 Grooved covering for table trolley 850 x 500 mm
- 1451.7500.9822 Grooved covering for table trolley 1000 x 700 mm

## Table covering suitable for ESD table trolley with trays



Table covering suitable for ESD table trolley with trays

- ESD grooved covering prevents slipping during transportation
- table covering protects components

dpvlink 24621



Article	Type
1451.7500.9820	<b>Grooved covering for table trolley 850 x 500 mm</b> Grooved covering for table trolleys 091.9820, 091.9830, 091.9920, 091.9930
1451.7500.9822	<b>Grooved covering for table trolley 1000 x 700 mm</b> Grooved covering for table trolley 091.9822, 091.9832, 091.9922, 091.9932

## Shelf trolleys

ESD compatible shelf trolley for the electronics industry, ideal as a transport, material and picking trolley.



### Transportgeräte

In compliance with ESD standard DIN EN 61340-5-1

#### Construction

Steel tube and profile steel welded, electrostatically dissipative powder coating, slate grey. Stable screw and plug construction. Shelves made of HPL composite plate, electrostatically dissipative, light grey. 2 ESD swivel and 2 ESD fixed castors, solid rubber tires electrostatically dissipative. Locks on the castors, load capacity per shelf approx. 80 kg.

#### SURCHARGE OPTION:

**TOTALSTOP - the fetra central braking system**



Optionally available at all fetra trolleys !

Innovative, comfortable, ergonomic and safe: The braking system developed from fetra can be easily locked or released by a kick. Apart from the wheel rotation the swivelling motion of both castors are securely locked. Dangerous situations, caused by swivelling of the braked trolley, are avoided. Due the central location the brake pedal is always in the operator's field of vision and can be activated in all roll positions. The rubber-made wheel lock affects at all tyre material and is easily adjustable.

## 3-shelf trolley



### Trolley with 3 shelves

Total height: 1111 mm / 1152 mm  
 Shelf heights: 235 / 635 / 1035 mm  
 276 / 676 / 1076 mm  
 Load capacity: 500 kg / 600 kg  
 max. 50 kg upper and central shelves  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 Wheel Ø: 160 mm / 200 mm



dpvlink 8125



Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9100	3-shelf trolley ESD 3 shelves loading bed 850 x 500 mm	1019	509	1111	500 kg
091.9101	3-shelf trolley ESD 3 shelves loading bed 1000 x 600 mm	1169	609	1152	600 kg

Box available on request

## 4-shelf trolley



### Trolley with 4 shelves

Total height: 1511 mm / 1555 mm  
 Shelf heights: 235 / 635 / 1035 / 1435 mm  
 276 / 676 / 1076 / 1476 mm  
 Load capacity: 500 kg / 600 kg  
 max. 50 kg upper and central shelves  
 Shelf dimensions: 850 x 500 mm  
 1000 x 600 mm  
 Wheel Ø: 160 mm / 200 mm



dpvlink 8126



Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9200	4-shelf trolley ESD 4 shelves loading bed 850 x 500 mm	1019	509	1511	500 kg
091.9201	4-shelf trolley ESD 4 shelves loading bed 1000 x 600 mm	1169	609	1552	600 kg

Box available on request

## 4-shelf trolley



### Trolley with 4 shelves

Total height: 1800 mm  
 Shelf heights: 276 / 676 / 1076 / 1476 mm  
 Load capacity: 600 kg  
 max. 50 kg upper and central shelves  
 Shelf dimensions: 1000 x 600 mm  
 1000 x 700 mm  
 1200 x 800 mm  
 Wheel Ø: 200 mm

#### dpvlink 8127

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9301	4-shelf trolley ESD 4 shelves loading bed 1000 x 600 mm	1169	609	1800	600 kg
091.9302	4-shelf trolley ESD 4 shelves loading bed 1000 x 700 mm	1169	709	1800	600 kg
091.9303	4-shelf trolley ESD 4 shelves loading bed 1200 x 800 mm	1369	809	1800	600 kg



Box available on request

## 5-shelf trolley



### Trolley with 5 shelves

Total height: 1800 mm  
 Shelf heights: 276 / 576 / 876 / 1076 / 1476 mm  
 Load capacity: 600 kg  
 max. 50 kg upper and central shelves  
 Shelf dimensions: 1000 x 600 mm  
 1000 x 700 mm  
 1200 x 800 mm  
 Wheel Ø: 200 mm

#### dpvlink 8128

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9341	5-shelf trolley ESD 5 shelves loading bed 1000 x 600 mm	1169	609	1800	600 kg
091.9342	5-shelf trolley ESD 5 shelves loading bed 1000 x 700 mm	1169	709	1800	600 kg
091.9343	5-shelf trolley ESD 5 shelves loading bed 1200 x 800 mm	1369	809	1800	600 kg



Box available on request

## Box trolley ESD 5 shelves



### 5-shelf box trolley

Total height: 1792 mm  
 Shelf height: 292/582/882/1182/1482 mm  
 Load capacity: 750 kg  
 max. 50 kg upper and central shelves  
 Loading bed: 1000 x 680 mm  
 1200 x 780 mm  
 Wheel Ø: 200 mm

#### dpvlink 24649

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9392	Box trolley ESD 5 shelves loading bed 1000x680 mm	1170	745	1792	750 kg
091.9393	Box trolley ESD 5 shelves loading bed 1200x780 mm	1370	845	1792	750 kg



## ESD Euro box trolley



### Euro box trolley

Total height: 1101 / 1686 mm  
 Shelf heights: 238 / 538 / 838 mm  
 264 / 564 / 864 mm  
 298 / 598 / 898 / 1198 / 1498 mm  
 Load capacity: 250 / 250 / 300 kg  
 max. 80 kg per shelf  
 Shelf dimensions: 410 x 610 mm  
 820 x 610 mm  
 1240 x 610 mm  
 Wheel Ø: 125 / 125 / 160 mm

#### dpvlink 20560

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9380.ESD	Euro box trolley ESD 3 shelves 410 x 610 mm	525	666	1101	250 kg
091.9390.ESD	Euro box trolley ESD 3 shelves 820 x 610 mm	935	666	1101	250 kg
091.9383.ESD	Euro box trolley ESD 5 shelves 1240 x 610 mm	1372	685	1686	300 kg



## ESD storage trolley



### ESD storage trolley 605 x 405 mm

Total height: 1178 mm  
 Shelf heights: 197 / 652 / 1152 mm  
 Load capacity: 200 kg  
 central and upper shelf 50 kg  
 Shelf dimensions: 605 x 405 mm  
 Wheel Ø: 125 mm

#### dpvlink 20577

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.92900	ESD storage trolley 605 x 405 mm	821	455	1178	200 kg
091.92910	ESD storage trolley tilttable 605 x 405 mm	821	455	1178	200 kg



**ESD Euro box trolley with base plate**



**Euro box trolley with base plate**

Total height: 1101 / 1686 mm  
 Shelf height: 257 / 557 / 857 mm  
 257 / 557 / 857 mm  
 317 / 617 / 917 / 1217 / 1517 mm  
 Load capacity: 250 / 250 / 300 kg  
 max. 80 kg per shelf  
 Shelf dimensions: 410 x 610 mm  
 820 x 610 mm  
 1240 x 610 mm  
 Wheel Ø: 125 / 125 / 160 mm



Shelves made of electrically conductive wooden composite board  
 Abrasion-resistant according to DIN 68785.  
 Edge height 7 mm.

**dpvlink 20564**

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.9381.ESD	Euro box trolley ESD 3 shelves 410 x 610 mm	525	666	1101	250 kg
091.9391.ESD	Euro box trolley ESD 3 shelves 820 x 610 mm	935	666	1101	250 kg
091.9384.ESD	Euro box trolley ESD 5 shelves 1240 x 610 mm	1372	685	1686	300 kg

**ESD storage trolley with base plate**



**ESD storage trolley 605 x 405 mm with conductive base plate**

Total height: 1178 mm  
 Shelf heights: 216 / 671 / 1171 mm  
 209 / 664 / 1164 mm  
 Load capacity: 200 kg  
 central and upper shelf 50 kg  
 Shelf dimensions: 605 x 405 mm  
 Wheel Ø: 125 mm

**dpvlink 20580**

Article	Type	D [mm]	W [mm]	H [mm]	Load capacity
091.92901	ESD storage trolley 605 x 405 mm	821	455	1178	200 kg
091.92911	ESD storage trolley tiltable 605 x 405 mm	821	455	1178	200 kg

**ESD Material stand**



- height adjustment in 25 mm grid
- load capacity 150 kg
- 2 swivel castors and 2 fixed castors TPE-ESD diameter 75 mm

**dpvlink 19094**

Article	Type	Loading bed	Shelf height
091.1890	ESD material stand	605 x 405	720 - 995 mm



**ESD material stand, tiltable**



- tiltable by 15° and 30°
- height adjustment in 25 mm grid
- load capacity 150 kg
- 2 swivel castors and 2 fixed castors TPE-ESD diameter 75 mm

**dpvlink 19099**

Article	Type	Loading bed	Shelf height
091.1891	ESD material stand	510 x 410	500 - 775 mm
091.1892	ESD material stand	510 x 410	755 - 1105 mm



## Universal trolley TRTA



ESD compatible universal trolley for the electronics industry.

In compliance with ESD standard DIN EN 61340-5-1 

- Transport, material and picking trolley
- 2- or 4-shelf trolley
- More shelves can be retrofitted
- Height adjustment by socket screws

### Construction

Epoxy powder coated shelves, depth 28 mm in RAL 7035 ESD (light grey). The trolley frame consists of round, powder-coated steel tubes (diameter 25 mm). The construction is lightweight but at the same time robust; with 4 swivel castors (Ø 125 mm), 2 with locks.

## Universal trolley TRTA, 2 shelves



### Trolley with 2 shelves

Total height: 1020 mm  
 Shelf heights: 220- 770mm  
 Load capacity: totally max. 150 kg  
 max. 50 kg per shelf  
 Shelf dimensions WxD: 800 x 430 mm,  
 1000 x 430 mm,  
 800 x 530 mm,  
 1000 x 530 mm  
 Color: RAL 7035 ESD

Figure with end mesh panels NET-2 (separately available as accessories)



### dpvlink 1928

Article	Type	D [mm]	W [mm]	H [mm]	
TRTA-4082ESD	TRTA-4082 ESD	530	890	1020	
TRTA-4102ESD	TRTA-4102 ESD	530	1090	1020	
TRTA-5082ESD	TRTA-5082 ESD	630	890	1020	
TRTA-5102ESD	TRTA-5102 ESD	630	1090	1020	

## Universal trolley TRTA, 4 shelves



### Trolley with 4 shelves

Total height: 1515 mm  
 Shelf heights: 215 - 1340 mm  
 Load capacity: total max. 300 kg  
 max. 50 kg per shelf  
 Shelf dimensions WxD: 1000 x 430 mm,  
 1000 x 530 mm  
 Color: RAL 7035 ESD

Figure with end mesh panels NET-2 (separately available as accessories)



### dpvlink 1930

Article	Type	D [mm]	W [mm]	H [mm]	
TRTA-4104ESD	TRTA-4104 ESD	530	1090	1515	
TRTA-5104ESD	TRTA-5104 ESD	630	1090	1515	

## Additional shelf TRHA



Suitable for TRTA trolley with 2 or 4 shelves

### dpvlink 1944

Article	Type	D [mm]	W [mm]	
<b>Additional shelf TRHA</b>				
TRHA-408ESD	TRHA-408 ESD	430	800	
TRHA-410ESD	TRHA-410 ESD	430	1000	
TRHA-508ESD	TRHA-508 ESD	530	800	
TRHA-510ESD	TRHA-510 ESD	530	1000	

## End frame mesh panels NET, pair



1 pair suitable for trolley TRTA with 2 shelves and 2 pairs suitable for trolley with 4 shelves. Grey, powder-coated, RAL 7035 ESD  
 Size: 364 x 604 mm

### dpvlink 1949

Article	Type	
NET-2ESD	End frame mesh panels NET-2ESD, pair	

Reel trolley RRT ESD



The steplessly adjustable reel trolley RRT ESD is suitable for the transport, supply and storage of up to 360 SMD reels.

In compliance with ESD standard DIN EN 61340-5-1



Reel trolley RRT ESD



The adjustable reel trolley is compatible with SMD reels and ideal for their transport and storage. All parts are made of perforated powder-coated steel (light grey, RAL 7035 ESD), depth 28 mm. The car has 4 swivel castors Ø 125 mm, two of them with brakes. Load capacity of the trolley 200 kg.

Total height: 1780 mm  
 Shelf heights: steplessly adjustable  
 Load capacity: totally max. 200 kg, max. 50 kg per shelf  
 Shelf dimensions WxD: 1000 x 430 mm,  
 Wheel Ø: 125 mm

dpvlink 2051

Article	Type	D [mm]	W [mm]	H [mm]
RRT-ESD	Reel trolley RRT-ESD	530	1100	1780



Reel rack RR-ESD



The reel rack is suitable for SMD reels with 180 mm, 330 mm and 380 mm Ø. SMD reels with 180 mm Ø can be arranged in two rows (max. 60 reels per row). The rack has 15 compartments that are 60 mm wide. The steel wire dividers have a conductive powder coating. Load capacity 50 kg.

- suitable for reel trolley RRT-ESD and DPV shelf trolley type 1217 / 1218
- also suitable for storage racks with shelves 1000 x 500 mm

dpvlink 2053

Article	Type	D [mm]	W [mm]	H [mm]
RR-ESD	Reel rack RR-ESD	426	960	254



Document holder DSA4-ESD



The holder is suitable for DIN A4 documents and has a conductive powder coating as well as two magnets for the fixing of documents.

dpvlink 2055

Article	Ausführung
DSA4-ESD	Document holder DSA4-ESD



Universal shelf trolley WRT



ESD compatible universal shelf trolley for the electronics industry.

In compliance with ESD standard DIN EN 61340-5-1

- Material trolley
- PC station
- Measuring station

Construction

With 3 shelves (TS-605 ESD). Every shelf is height adjustable by socket screw. Vertical aluminium profiles. Base frame made of powder-coated steel, light grey (RAL 7038). Shelves 26 mm ESD laminate plate. 4 ESD swivel castors Ø 100 mm conductive, two of them with locks.

Universal shelf trolley WTR-140 ESD



Trolley with 3 shelves

Total height: 1400 mm  
 Load capacity: max. 150 kg, max. 50 kg per shelf  
 Shelf dimensions WxD: 530 x 650 mm

dpvlink 1951

Article	Type	D [mm]	W [mm]	H [mm]
WTR-140ESD	WTR-140 ESD	650	650	1400



## Additional shelf TS



Suitable for shelf trolley WTR

**dpvlink 1953**

Article	Type	D [mm]	W [mm]
TS-605ESD	Additional shelf TS-605 ESD	650	530



## Shelf TAS



Depth, height and tilt steplessly adjustable. 26 mm ESD laminates. Sliding edge at the front. Load capacity approx. 50 kg. Suitable for shelf trolley WTR.

**dpvlink 1955**

Article	Type	D [mm]	H [mm]
TAS-605ESD	Shelf TAS-605 ESD	650	26



## Keyboard shelf NT



Keyboard drawer with hand rest. With grounding wire. Mounting under the shelf or table plate. Dimensions: 250 x 500 x 110 mm.

**dpvlink 1959**

Article	Type	D [mm]	W [mm]	H [mm]
NT-500ESD	Keyboard shelf NT-500 ESD	250	500	110



## PC holder CPU



Adjustable holder for horizontal or vertical assembly of a computer. With grounding wire. Depth: 390 mm. Width adjustable: 180 - 250 mm. Height adjustable: 380 - 440 mm.

**dpvlink 1984**

Article	Type	D [mm]	W [mm]	H [mm]
CPU	PC holder CPU	390	140 - 250	390 - 500



## Multi trolleys

Robust and sturdy trolley resisting to high loads and easily to handle. Can also be used as ergonomic, mobile workstation, e.g. for measuring devices. In order to satisfy all industrial needs there is a large selection of extension products.

- powder-coated steel frame (light grey, RAL 7035)
- two frame heights and three module sizes available
- three different adjustable steel base variants and a lower shelf available selectable
- frame available with drei different module sizes (M500, M750 and M900)
- frame with ergonomic handle
- four swivel castors (Ø125 mm), two with brake

In compliance with ESD standard DIN EN 61340-5-1 

### Industrial multi trolleys low



Load capacity:  
max. 300 kg  
max. 100 kg per steplessly adjustable shelf

**dpvlink 19225**

Article	Type	D [mm]	W [mm]	H [mm]
TMTL5-002-49	Industrial multi trolley low M500, adjustable shelves	760	540	1150
TMTL7-002-49	Industrial multi trolley low M750, adjustable shelves	760	790	1150
TMTL9-002-49	Industrial multi trolley low M900, adjustable shelves	760	943	1150



### Industrial multi trolleys high



Load capacity:  
max. 300 kg  
max. 100 kg per steplessly adjustable shelf

**dpvlink 18522**

Article	Type	D [mm]	W [mm]	H [mm]
TMTH5-002-49	Industrial multi trolley high M500, adjustable shelves	760	540	1790
TMTH7-002-49	Industrial multi trolley high M750, adjustable shelves	760	790	1790
TMTH9-002-49	Industrial multi trolley high M900, adjustable shelves	760	943	1790



## Industrial Multi trolley frame



Load capacity 300 kg

dpvlink 18526

Article	Type	D [mm]	W [mm]	H [mm]	QR
TMTFL5-49	Industrial Multi trolley frame low M500	760	540	1150	
TMTFL7-49	Industrial Multi trolley frame low M750	760	790	1150	
TMTFL9-49	Industrial Multi trolley frame low M900	760	943	1150	
TMTFH5-49	Industrial Multi trolley frame high M500	760	540	1790	
TMTFH7-49	Industrial Multi trolley frame high M750	760	790	1790	
TMTFH9-49	Industrial Multi trolley frame high M900	760	943	1790	

## Bottom shelf



load capacity 100 kg

dpvlink 18533

Article	Type	D [mm]	W [mm]	QR
TMTLS5-49	Lower shelf M500	728	460	
TMTLS7-49	Lower shelf M750	728	710	
TMTLS9-49	Lower shelf M900	728	863	

## Adjustable shelves



load capacity 100 kg

dpvlink 18540

Article	Type	D [mm]	W [mm]	QR
TMTAS5-49	Adjustable shelves with stepless depth adjustment M500	650	468	
TMTAS7-49	Adjustable shelves with stepless depth adjustment M750	650	718	
TMTAS9-49	Adjustable shelves with stepless depth adjustment M900	650	871	

## Adjustable shelves with stepless depth adjustment



load capacity 100 kg

dpvlink 18547

Article	Type	D [mm]	W [mm]	QR
TMTSAS5-49	Adjustable shelves with stepless tilt and depth adjustment M500	650	468	
TMTSAS7-49	Adjustable shelves with stepless tilt and depth adjustment M750	650	718	
TMTSAS9-49	Adjustable shelves with stepless tilt and depth adjustment M900	650	871	

## ESD Rack system Treston



Color: light grey (RAL 7035), with electrostatically conductive epoxy coating

In compliance with ESD standard DIN EN 61340-5-1

Robust, conductive ESD rack system for storing electronic components. Can be combined individually, easy to install and to extend due to modular structure.

## ESD Rack system basic combinations



Frame incl. 6 ESD shelves (load capacity 150 kg/per shelf)

dpvlink 19267

Article	D [mm]	W [mm]	H [mm]	Shelves	Load capacity	QR
<b>ESD Rack system basic combinations</b>						
313.49001	300	824	2000	6	150 kg	
314.49001	400	824	2000	6	150 kg	
313.49002	300	1024	2000	6	150 kg	
314.49003	400	1024	2000	6	150 kg	
315.49001	500	1024	2000	6	150 kg	
316.49001	600	1024	2000	6	150 kg	
314.49002	400	824	2400	6	150 kg	
314.49004	400	1024	2400	6	150 kg	
315.49002	500	1024	2400	6	150 kg	
316.49002	600	1024	2400	6	150 kg	

## ESD Rack system extension combinations



Extension rack incl. 6 ESD shelves (load capacity 150 kg/per shelf)

dpvlink 19278

Article	D [mm]	W [mm]	H [mm]	Shelves	Load capacity	QR
<b>ESD Rack system extension combinations</b>						
323.49001	300	804	2000	6	150 kg	
324.49001	400	804	2000	6	150 kg	
323.49002	300	1004	2000	6	150 kg	
324.49003	400	1004	2000	6	150 kg	
325.49001	500	1004	2000	6	150 kg	
326.49001	600	1004	2000	6	150 kg	
324.49002	400	804	2400	6	150 kg	
324.49004	400	1004	2400	6	150 kg	
325.49002	500	1004	2400	6	150 kg	
326.49002	600	1004	2400	6	150 kg	

## ESD Rack system shelves



dpvlink 19289

Article	Type	D [mm]	W [mm]	Load capacity	QR
852.23549	ESD shelf	800	300	150 kg	
852.23449	ESD shelf	800	400	150 kg	
852.17549	ESD shelf	1000	300	150 kg	
852.23149	ESD shelf	1000	400	150 kg	
852.18549	ESD shelf	1000	500	150 kg	
852.18749	ESD shelf	1000	600	150 kg	

## ESD Rack system RS



Sturdy ESD rack system -  
ideal for warehouse equipment in electronics industry

- Individually extendable by modular design
- Easy and fast assembly by plug-in mounting
- Shelves adjustable in 50 mm steps (without screws)
- Tilt height of the shelves 40 mm
- galvanized surface, additional ESD coating, color: light grey
- special coating avoids dust attraction
- Made in Germany
- height 2000 mm = bay load 1600 kg | height 2500 mm = bay load 1000 kg

Defined bleeder resistance of the storage surface of  $10^4$  to  $10^9 \Omega$   
according to DIN EN 61340-5-1:2008 

Test method according to DIN EN 61340-2-3:2016

## ESD Basic rack RS1



The basic rack comprises 2 upright frames, 5/6 shelves and 1 cross bracing



dpvlink 16958

Article	D [mm]	W [mm]	H [mm]	Shelves	Load capacity
RS1-20410.ESD	435	1060	2000	5	145 kg
RS1-20413.ESD	435	1360	2000	5	180 kg
RS1-20510.ESD	535	1060	2000	5	140 kg
RS1-20513.ESD	535	1360	2000	5	180 kg
RS1-20610.ESD	635	1060	2000	5	140 kg
RS1-20613.ESD	635	1360	2000	5	180 kg
RS1-25410.ESD	435	1060	2500	6	145 kg
RS1-25413.ESD	435	1360	2500	6	180 kg
RS1-25510.ESD	535	1060	2500	6	140 kg
RS1-25513.ESD	535	1360	2500	6	180 kg
RS1-25610.ESD	635	1060	2500	6	140 kg
RS1-25613.ESD	635	1360	2500	6	180 kg

## ESD Extension rack RS1



The extension rack comprises 2 upright frame and 5/6 shelves and 1 cross bracing



dpvlink 16963

Article	D [mm]	W [mm]	H [mm]	Shelves	Load capacity
RS1A-20410.ESD	435	1010	2000	5	145 kg
RS1A-20413.ESD	435	1310	2000	5	180 kg
RS1A-20510.ESD	535	1010	2000	5	140 kg
RS1A-20513.ESD	535	1310	2000	5	180 kg
RS1A-20610.ESD	635	1010	2000	5	140 kg
RS1A-20613.ESD	635	1310	2000	5	180 kg
RS1A-25410.ESD	435	1010	2500	6	145 kg
RS1A-25413.ESD	435	1310	2500	6	180 kg
RS1A-25510.ESD	535	1010	2500	6	140 kg
RS1A-25513.ESD	535	1310	2500	6	180 kg
RS1A-25610.ESD	635	1010	2500	6	140 kg
RS1A-25613.ESD	635	1310	2500	6	180 kg

## Accessories for rack system RS1



dpvlink 16976

Article	Type
RS1-F410.ESD	<b>Shelf RS1-F410</b> Dimensions: 1000 x 400 x 40 mm
RS1-F413.ESD	<b>Shelf RS1-F413</b> Dimensions: 1300 x 400 x 40 mm
RS1-F510.ESD	<b>Shelf RS1-F510</b> Dimensions: 1000 x 500 x 40 mm
RS1-F513.ESD	<b>Shelf RS1-F513</b> Dimensions: 1300 x 500 x 40 mm
RS1-F610.ESD	<b>Shelf RS1-F610</b> Dimensions: 1000 x 600 x 40 mm
RS1-F613.ESD	<b>Shelf RS1-F613</b> Dimensions: 1300 x 600 x 40 mm
RS1-FH	<b>Shelf holder RS1-FH</b> (4 pieces for each shelf required)

## Shelf rack system

Very stable screwed industrial rack system. Easy assembly. A basic rack can be extended by extension racks. Two different widths, 5 different depths and heights up to 3 m available.

The industrial shelf racks are made of galvanized steel, shelves are height adjustable in a distance of 25 mm.

### Technical data

Load capacity:	200 kg / shelf
Shelf height:	2000, 2500, 3000 mm
Bottom width:	1000 and 1300 mm
Base depth:	300, 400, 500, 600, 800 mm
Tilt height shelves:	40 mm
Maximum bay load:	1000, 1200, 1400 kg
Overall stabilization:	by corner plates

- also available as a plug-in system on request -



Besondere Stabilität auch bei hohen Lasten werden durch spezielle Eckplatten erzielt.

## Rack system height 2000 mm

Bay load: 1000 kg, shelf load capacity: 200 kg, material: galvanized steel

### dpvlink 3275

Article	D [mm]	W [mm]	H [mm]	Shelves	Type
WZG-20310-M	300	1000	2000	5	Basic rack
WZA-20310-M	300	1000	2000	5	Extension rack
WZG-20410-M	400	1000	2000	5	Basic rack
WZA-20410-M	400	1000	2000	5	Extension rack
WZG-20510-M	500	1000	2000	5	Basic rack
WZA-20510-M	500	1000	2000	5	Extension rack
WZG-20610-M	600	1000	2000	5	Basic rack
WZA-20610-M	600	1000	2000	5	Extension rack
WZG-20810-M	800	1000	2000	5	Basic rack
WZA-20810-M	800	1000	2000	5	Extension rack
WZG-20313-M	300	1300	2000	5	Basic rack
WZA-20313-M	300	1300	2000	5	Extension rack
WZG-20413-M	400	1300	2000	5	Basic rack
WZA-20413-M	400	1300	2000	5	Extension rack
WZG-20513-M	500	1300	2000	5	Basic rack
WZA-20513-M	500	1300	2000	5	Extension rack
WZG-20613-M	600	1300	2000	5	Basic rack
WZA-20613-M	600	1300	2000	5	Extension rack
WZG-20813-M	800	1300	2000	5	Basic rack
WZA-20813-M	800	1300	2000	5	Extension rack



## Rack system height 2500 mm

Bay load: 1200 kg, shelf load capacity: 200 kg, material: galvanized steel

### dpvlink 3297

Article	D [mm]	W [mm]	H [mm]	Shelves	Type
WZG-25310-M	300	1000	2500	6	Basic rack
WZA-25310-M	300	1000	2500	6	Extension rack
WZG-25410-M	400	1000	2500	6	Basic rack
WZA-25410-M	400	1000	2500	6	Extension rack
WZG-25510-M	500	1000	2500	6	Basic rack
WZA-25510-M	500	1000	2500	6	Extension rack
WZG-25610-M	600	1000	2500	6	Basic rack
WZA-25610-M	600	1000	2500	6	Extension rack
WZG-25810-M	800	1000	2500	6	Basic rack
WZA-25810-M	800	1000	2500	6	Extension rack
WZG-25313-M	300	1300	2500	6	Basic rack
WZA-25313-M	300	1300	2500	6	Extension rack
WZG-25413-M	400	1300	2500	6	Basic rack
WZA-25413-M	400	1300	2500	6	Extension rack
WZG-25513-M	500	1300	2500	6	Basic rack
WZA-25513-M	500	1300	2500	6	Extension rack
WZG-25613-M	600	1300	2500	6	Basic rack
WZA-25613-M	600	1300	2500	6	Extension rack
WZG-25813-M	800	1300	2500	6	Basic rack
WZA-25813-M	800	1300	2500	6	Extension rack



## Rack system height 3000 mm

Bay load: 1400 kg, shelf load capacity: 200 kg, material: galvanized steel

### dpvlink 3384

Article	D [mm]	W [mm]	H [mm]	Shelves	Type
WZG-30310-M	300	1000	3000	7	Basic rack
WZA-30310-M	300	1000	3000	7	Extension rack
WZG-30410-M	400	1000	3000	7	Basic rack
WZA-30410-M	400	1000	3000	7	Extension rack
WZG-30510-M	500	1000	3000	7	Basic rack
WZA-30510-M	500	1000	3000	7	Extension rack
WZG-30610-M	600	1000	3000	7	Basic rack
WZA-30610-M	600	1000	3000	7	Extension rack
WZG-30810-M	800	1000	3000	7	Basic rack
WZA-30810-M	800	1000	3000	7	Extension rack
WZG-30313-M	300	1300	3000	7	Basic rack
WZA-30313-M	300	1300	3000	7	Extension rack
WZG-30413-M	400	1300	3000	7	Basic rack
WZA-30413-M	400	1300	3000	7	Extension rack
WZG-30513-M	500	1300	3000	7	Basic rack
WZA-30513-M	500	1300	3000	7	Extension rack
WZG-30613-M	600	1300	3000	7	Basic rack
WZA-30613-M	600	1300	3000	7	Extension rack
WZG-30813-M	800	1300	3000	7	Basic rack
WZA-30813-M	800	1300	3000	7	Extension rack



## Additional shelves

Additional shelves including screws and nuts

Racks with a shelf load of 350 kg and racks with plug-in system available on request

### dpvlink 3407

Article	Typ	T [mm]	B [mm]
<b>Additional shelves</b>			
Z-10030-M	shelf	1000	300
Z-10040-M	shelf	1000	400
Z-10050-M	shelf	1000	500
Z-10060-M	shelf	1000	600
Z-10080-M	shelf	1000	800
Z-13030-M	shelf	1300	300
Z-13040-M	shelf	1300	400
Z-13050-M	shelf	1300	500
Z-13060-M	shelf	1300	600
Z-13080-M	shelf	1300	800



Racks also available as plug system +++ on request+++

**ESD Wheels and castors**

The use of electrically conductive wheels and castors in ESD areas is essential to ensure maximum safety. They provide a safe dissipation of existing charges via the floor. There are different sizes and types according to the different requirements. When choosing the right wheel or castor, the tire equipment is of crucial importance, because the load capacity and the resistance of the castor depend on the right tires.

Auf diesen Seiten verwendete Piktogramme:



**Series 550**

**ESD Apparatus castor** 



**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrical-ly conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 10726**

Article						
	mm	mm	mm	mm	kg	

**ESD Apparatus castor**

502.050.EL	50	18	6	22	40
502.075.EL	75	23	6	27	50
502.100.EL	100	23	8	29	65
502.AK100.EL	100	32	8	36	80
502.AK125.EL	125	32	8	36	100

**ESD Apparatus swivel castor with bolt hole** 



**Bracket:** light pressed sheet steel bracket, galvanized; fork head with double ball bearing; with bolt hole

**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrical-ly conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 10748**

Article							
	mm	mm	mm	mm	mm	kg	

**ESD Apparatus swivel castor with bolt hole**

503.050.EL	50	18	71	21	10.2	40
503.075.EL	75	23	101	25	10.2	50
503.100.EL	100	23	122	32	10.2	65

**ESD Apparatus swivel castor with bolt hole - double stop** 



**Bracket:** light pressed sheet steel bracket, galvanized; fork head with double ball bearing; with double stop; with bolt hole

**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrical-ly conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 12216**

Article							
	mm	mm	mm	mm	mm	kg	

**ESD Apparatus swivel castor with bolt hole - double stop**

503.050.DS.EL	50	18	71	21	10.2	40
503.075.DS.EL	75	23	101	25	10.2	50
503.100.DS.EL	100	23	122	32	10.2	65

**Heavy ESD Apparatus swivel castor with bolt hole** 



**Bracket:** heavy pressed sheet steel bracket, galvanized; fork head with double ball bearing; with bolt hole

**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrical-ly conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 10754**

Article							
	mm	mm	mm	mm	mm	kg	

**Heavy ESD Apparatus swivel castor with bolt hole**

503.AK100.EL	100	32	135	39	12.2	90
503.AK125.EL	125	32	159	42	12.2	110

**Heavy ESD Apparatus swivel castor with bolt hole - double stop** 



**Bracket:** heavy pressed sheet steel bracket, galvanized; fork head with double ball bearing; with double stop; with bolt hole

**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrical-ly conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink 10755**

Article							
	mm	mm	mm	mm	mm	kg	

**Heavy ESD Apparatus swivel castor with bolt hole - double stop**

503.AK100.DS.EL	100	32	135	34	12.2	80
503.AK125.DS.EL	125	32	159	41	12.2	100

**ESD Apparatus swivel castor with top plate**



**Bracket:** light pressed sheet steel bracket, galvanized; fork head with double ball bearing; with top plate.  
**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrically conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 10725

Article	mm	mm	mm	mm	mm	mm	kg
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**ESD Apparatus swivel castor with top plate**

504.050.EL	50	18	71	60 x 60	38 x 46	6.2	40
504.075.EL	75	23	101	60 x 60	38 x 46	6.2	50
504.100.EL	100	23	122	60 x 60	38 x 46	6.2	65

**Heavy ESD Apparatus swivel castor with top plate**



**Bracket:** heavy pressed sheet steel bracket, galvanized; fork head with double ball bearing; bolted axle; with top plate.  
**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrically conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1

Screw hole distance: 56-62 x 47-52 mm

dpvlink 10738

Article	mm	mm	mm	mm	mm	mm	kg
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**Heavy ESD Apparatus swivel castor with top plate**

504.AK100.EL	100	32	138	77 x 67	38 x 46	8.5	90
504.AK125.EL	125	32	161	77 x 67	38 x 46	8.5	110

**ESD Apparatus swivel castor with top plate - double stop**



**Bracket:** light pressed sheet steel bracket, galvanized; fork head with double ball bearing; with double stop; with top plate.  
**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrically conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 10729

Article	mm	mm	mm	mm	mm	mm	kg
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**ESD Apparatus swivel castor with top plate - double stop**

504.050.DS.EL	50	18	71	60 x 60	38 x 46	6.2	40
504.075.DS.EL	75	23	101	60 x 60	38 x 46	6.2	50
504.100.DS.EL	100	24	122	60 x 60	38 x 46	6.2	65

**Heavy ESD Apparatus swivel castor with top plate - double stop**



**Bracket:** heavy pressed sheet steel bracket, galvanized; fork head with double ball bearing; bolted axle; with double stop; with top plate.  
**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrically conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1

Screw hole distance: 56-62 x 47-52 mm

dpvlink 10721

Article	mm	mm	mm	mm	mm	mm	kg
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**Heavy ESD Apparatus swivel castor with top plate - double stop**

504.AK100.DS.EL	100	32	138	77 x 67	38 x 46	8.5	90
504.AK125.DS.EL	125	32	161	77 x 67	38 x 46	8.5	110

**ESD Apparatus fixed castor with top plate**



**Bracket:** light pressed sheet steel bracket, galvanized; fork head with double ball bearing; with top plate.  
**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrically conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 10741

Article	mm	mm	mm	mm	mm	mm	kg
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**ESD Apparatus fixed castor with top plate**

505.050.EL	50	18	71	60 x 60	38 x 46	6.2	40
505.075.EL	75	23	101	60 x 60	38 x 46	6.2	50
505.100.EL	100	23	122	60 x 60	38 x 46	6.2	65

**Heavy ESD Apparatus fixed castor with top plate**



**Bracket:** heavy pressed sheet steel bracket, galvanized; fork head with double ball bearing; with top plate.  
**Wheel:** wheel body made of polypropylene (polyamide = AK series) with ball bearing; rubber tread, black, electrically conductive

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

In compliance with ESD standard DIN EN 61340-5-1

Screw hole distance: 56-62 x 47-52 mm

dpvlink 10745

Article	mm	mm	mm	mm	mm	mm	kg
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**Heavy ESD Apparatus fixed castor with top plate**

505.AK100.EL	100	32	138	77 x 67	38 x 46	8.5	90
505.AK125.EL	125	32	161	77 x 67	38 x 46	8.5	110

## Series 500

### ESD Wheels, solid rubber



Wheel body made of sheet steel with roller bearing, equipped with solid rubber tires, electrically conductive (EC) 

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

dpvlink 3194

Article	mm	mm	mm	mm	kg
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#### ESD Wheels, solid rubber

522.080.EL	80	30	12	40	50
522.100.EL	100	30	12	40	70
522.125.EL	125	38	15	50	100
522.160.EL	160	40	20	60	135
522.200.EL	200	50	20	60	205

### Axle tubes suitable for series 500

dpvlink 3212

Article	External Ø	Internal Ø	L [mm]
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#### Axle tubes suitable for series 500

522.AR12-8.41	12 mm	8 mm	41
522.AR12-8.51	12 mm	8 mm	51
522.AR15-10.51	15 mm	10 mm	51
522.AR15-12.51	15 mm	12 mm	51
522.AR20-12.61	20 mm	12 mm	61

### ESD Swivel castors with bolt hole



**Wheel:** Wheel body made of sheet steel with roller bearing. Equipped with electrically conductive solid rubber tires (EC) 

**Bracket:** sheet steel bracket galvanized, pivot bearing with double ball ring, bolt hole 12 mm, bolted axle

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

dpvlink 3234

Article	mm	mm	mm	mm	Rülo	kg
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#### ESD Swivel castors with bolt hole

523.080.EL	80	30	99	36	12	50
523.100.EL	100	30	124	36	12	70
523.125.EL	125	38	154	36	12	100
523.160.EL	160	40	186	55	12	135
523.200.EL	200	50	232	55	12	205

### ESD Swivel castors with bolt hole - double stop



**Wheel:** Wheel body made of sheet steel with roller bearing. Equipped with electrically conductive solid rubber tires (EC) 

**Bracket:** sheet steel bracket galvanized, pivot bearing with double ball ring, bolt hole 12 mm, bolted axle, with double stop/lock

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

dpvlink 3256

Article	mm	mm	mm	mm	Rülo	kg
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#### ESD Swivel castors with bolt hole - double stop

523.080.DS.EL	80	30	99	36	12	50
523.100.DS.EL	100	30	124	36	12	70
523.125.DS.EL	125	38	154	36	12	100
523.160.DS.EL	160	40	186	55	12	135
523.200.DS.EL	200	50	232	55	12	205

### ESD Swivel castors with top plate



**Wheel:** Wheel body made of steel sheet with roller bearing. Equipped with electrically conductive solid rubber tires (EC) 

**Bracket:** sheet steel bracket galvanized, pivot bearing mounted with bolted axle and double ball ring.

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

dpvlink 3278

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Swivel castors with top plate

524.080.EL	80	30	103	105 x 80	80 x 60	9	50
524.100.EL	100	30	125	105 x 80	80 x 60	9	70
524.125.EL	125	38	155	105 x 80	80 x 60	9	100
524.160.EL	160	40	193	135 x 110	105 x 80	11	135
524.200.EL	200	50	235	135 x 110	105 x 80	11	205

### ESD Swivel castors with top plate - double stop



**Wheel:** wheel body made of sheet steel with roller bearing. Equipped with electrically conductive solid rubber tires (EC) 

**Bracket:** sheet steel bracket galvanized, pivot bearing with double ball ring, bolted axle, with double stop/lock

A plasticizer diffusion can lead to a discoloration of the floor, hardness approximately 80° - 85° Shore A

dpvlink 3280

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Swivel castors with top plate - double stop

524.080.DS.EL	80	30	103	105 x 80	80 x 60	9	50
524.100.DS.EL	100	30	125	105 x 80	80 x 60	9	70
524.125.DS.EL	125	38	155	105 x 80	80 x 60	9	100
524.160.DS.EL	160	40	193	135 x 110	105 x 80	11	135
524.200.DS.EL	200	50	235	135 x 110	105 x 80	11	205

### ESD Fixed castors with top plate



**Wheel:** wheel body made of sheet steel with ball bearing. Equipped with solid rubber tires electrically conductive (EC) 

**Bracket:** sheet steel bracket galvanized, pivot bearing with double ball ring, bolted axle.

A plasticizer diffusion can lead to a discoloration of the floor, hardness approx. 80° - 85° Shore A

- other castors available on request -

dpvlink 3298

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Fixed castors with top plate

525.080.EL	80	30	103	102 x 87	80 x 60	9	50
525.100.EL	100	30	125	102 x 87	80 x 60	9	70
525.125.EL	125	38	155	102 x 87	80 x 60	9	100
525.160.EL	160	40	193	135 x 114	105 x 80	11	135
525.200.EL	200	50	235	135 x 114	105 x 80	11	205

## Series 650 - non-marking

### ESD Apparatus castor, non-marking



**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 10713

Article	mm	mm	mm	mm	kg
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#### ESD Apparatus castor, non-marking

602.050.ELS	50	19	8	22	50
602.075.ELS	75	25	8	30	75
602.100.ELS	100	25	8	30	80

### ESD Apparatus swivel castor with bolt hole



**Bracket:** sheet steel bracket with double ball bearing in the swivel head, axle bolted, galvanized/chromated.

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 8055

Article	mm	mm	mm	mm	Rülo mm	kg
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#### ESD Apparatus swivel castor with bolt hole

603.050.ELS	50	19	69	25	11	50
603.075.ELS	75	25	98	28	11	75
603.100.ELS	100	25	121	33	11	70

### ESD Apparatus swivel castor with bolt hole - "stop-fix"



**Bracket:** sheet steel bracket with double ball bearing in the swivel head, axle bolted, galvanized/chromated, with lock "stop-fix"

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 8057

Article	mm	mm	mm	mm	Rülo mm	kg
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#### ESD Apparatus swivel castor with bolt hole - "stop-fix"

603.050-SF.ELS	50	25	75	23	11	65
603.075-SF.ELS	75	25	98	28	11	75
603.100-SF.ELS	100	25	121	33	11	70

### ESD Apparatus swivel castor with top plate



**Bracket:** sheet steel bracket with double ball bearing in the swivel head, axle bolted, galvanized/chromated, with top plate

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 10702

Article	mm	mm	mm	mm	mm	kg
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#### ESD Apparatus swivel castor with top plate

604.050.ELS	50	19	71	60 x 60	48 x 48	6.2	50
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#### dpvlink 10702

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Apparatus swivel castor with top plate

604.075.ELS	75	25	100	60 x 60	48 x 48	6.2	75
604.100.ELS	100	25	123	60 x 60	48 x 48	6.2	70

### ESD Apparatus swivel castor with top plate - "stop-fix"



**Bracket:** sheet steel bracket with double ball bearing in the swivel head, axle bolted, galvanized/chromated, with lock "stop-fix" and top plate

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 10706

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Apparatus swivel castor with top plate - "stop-fix"

604.050.SF.ELS	50	25	71	60 x 60	48 x 48	6.2	75
604.075.SF.ELS	75	25	100	60 x 60	48 x 48	6.2	75
604.100.SF.ELS	100	25	123	60 x 60	48 x 48	6.2	70

### ESD Apparatus fixed castor with bolt hole



**Bracket:** sheet steel bracket with double ball bearing in the swivel head, axle bolted, galvanized/chromated.

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 10718

Article	mm	mm	mm	mm	Rülo mm	kg
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#### ESD Apparatus fixed castor with bolt hole

603.B-050.ELS	50	19	69	25	11	50
603.B-075.ELS	50	25	98	28	11	75

### ESD Apparatus fixed castor with top plate



**Bracket:** sheet steel bracket with double ball bearing in the swivel head, axle bolted, galvanized/chromated, with top plate.

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1

#### dpvlink 10710

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Apparatus fixed castor with top plate

605.050.ELS	50	19	71	60 x 60	48 x 48	6.2	50
605.075.ELS	75	25	100	60 x 60	48 x 48	6.2	75

## Series 600 - non-marking

### ESD Wheels, non-marking



**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 8028

Article	mm	mm	mm	mm	kg
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#### ESD Wheels, non-marking

622.080.ELS	80	32	12	35	90
622.100.ELS	100	32	12	45	100
622.125.ELS	125	32	12	45	110

### Axle tubes suitable for series 600



dpvlink 8032

Article	External Ø	Internal Ø	L [mm]
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#### Axle tubes suitable for series 600

622.AR12-8-36	12 mm	8 mm	36
622.AR12-8-46	12 mm	8 mm	46

### ESD Swivel castors with bolt hole



**Bracket:** sheet steel bracket with bolt hole 13 mm, double ball bearing in the swivel head, sturdy central bolt, axle bolted, galvanized/chromated.

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 8035

Article	mm	mm	mm	mm	Rülo	kg
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#### ESD Swivel castors with bolt hole

623.080.ELS	80	32	102	38	13	90
623.100.ELS	100	32	125	36	13	100
623.125.ELS	125	32	150	40	13	110

### ESD Swivel castors with bolt hole - "stop-fix"



**Bracket:** sheet steel bracket with bolt hole 13 mm, double ball bearing in the swivel head, sturdy central bolt, axle bolted, galvanized/chromated, lock "stop-fix".

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 8039

Article	mm	mm	mm	mm	Rülo	kg
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#### ESD Swivel castors with bolt hole - "stop-fix"

623.080.SF.ELS	80	32	102	38	13	90
623.100.SF.ELS	100	32	125	36	13	100
623.125.SF.ELS	125	32	150	40	13	110

### ESD Swivel castors with top plate



**Bracket:** sheet steel bracket with top plate, double ball bearing in the swivel head, swivel head sealing, axle bolted, galvanized/chromated.

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 8043

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Swivel castors with top plate

624.080.ELS	80	32	102	100 x 85	80 x 60	9	90
624.100.ELS	100	32	125	100 x 85	80 x 60	9	100
624.125.ELS	125	32	150	100 x 85	80 x 60	9	110

### ESD Swivel castors with top plate - "stop-fix"



**Bracket:** sheet steel bracket with top plate, double ball bearing in the swivel head, swivel head sealing, axle bolted, galvanized/chromated, lock "stop-fix".

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 8047

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Swivel castors with top plate - "stop-fix"

624.080.SF.ELS	80	32	102	100 x 85	80 x 60	9	90
624.100.SF.ELS	100	32	125	100 x 85	80 x 60	9	100
624.125.SF.ELS	125	32	150	100 x 85	80 x 60	9	110

### ESD Fixed castors with top plate



**Bracket:** sheet steel bracket with top plate, double ball bearing in the swivel head, swivel head sealing, axle bolted, galvanized/chromated.

**Wheel:** wheel body made of polypropylene, equipped with thermoplastic, non-marking rubber tread, electrically conductive

In compliance with ESD standard DIN EN 61340-5-1 

dpvlink 8051

Article	mm	mm	mm	mm	mm	mm	kg
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#### ESD Fixed castors with top plate

625.080.ELS	80	32	102	100 x 85	80 x 60	9	90
625.100.ELS	100	32	125	100 x 85	80 x 60	9	100
625.125.ELS	125	32	150	100 x 85	80 x 60	9	110



# Precision tools



## Precision tweezers

LCR Tester / LED tester	384
Wiha Professional ESD	385
KNIPEX	386
CK	388
Ideal-tek	392
Erem Precision tweezers	405
Piergiacomini	409

## Screwdrivers

Piergiacomini Screwdrivers	413
CK Screwdrivers	413
Wiha Screwdrivers	417
WERA Screwdrivers	426
Torque screwdrivers ESD WERA	427
WERA Bit holder / Bits	427

## Bit inserts

Bit inserts	429
-------------	-----

## Torque screwdrivers

Torque screwdrivers ESD	432
Torque screwdrivers VDE	433
Torque screwdrivers	434

## Electric screwdrivers

Electric screwdrivers Kilews	436
Control units Kilews	443
Accessories Kilews	444
Electric screwdrivers Delvo	445
Control units Delvo	446
Accessories Delvo	446
Accessories electric screwdrivers	446

## Support arm and torque support

Support arm and torque support	447
--------------------------------	-----

## Torque measurement instruments

Torque testers	449
----------------	-----

## Screw separating units

Screw separating units	449
------------------------	-----

## Pliers

ideal-tek Pliers	450
Piergiacomini	456
CK	463
Wiha	470
Knipex	473
Lindstrom	481
Erem	483

## Stripping / crimping

Piergiacomini	488
CK	489
Knipex	489
High-precision stripping tool	493

## Other tools

Scalpels and scissors	493
CK	495
Wiha	496
Knipex	497

## Pneumatic cutter

Pneumatic cutter	499
------------------	-----

## Processing tools

Insertion and processing tools	501
Processing tools	501

## Handling systems

Handling systems	501
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## Precision tweezers

## LCR Tester / LED tester

### SMART TWEEZERS LCR multimeter



Digital, automatic LCR measuring instrument, integrated in a pair of handy tweezers, for quick measurement of small SMD components. Light, ergonomic measuring head, automatic setting of component type and measuring range, multifunctional display showing the measurement parameters. Voltage range of 0.8-8V, measured parameters: C, L, R, ESR, RS, RP

#### Technical data

*Working temperature:* 0°C to +55°C

*Dimensions:* 14.0 x 2.5 x 3.0 cm (3.94 x 0.9 x 1.5 inches)

*Weight:* 53 g (0.111lb)

*Measured parameters:* C + R (EPR), L + R, R

*Measured frequency:* 100 Hz, 1 kHz, 10 kHz

*Measurement rate:* 4.0, 2.1, 0.5 per second (default I)

*DC voltage:* 0 to 800 mV (up to 8 V with manual setting)

*Resistance:* 0.1 to 5 MOhm

*Capacity:* 1 pF to 4999 µF (1 pF - 5 pF m.) (with manual setting)

*Inductive resistance:* MH 1 µH to 499 (1 µH - 4 µH m.) (with manual setting)

#### Resistance:

*Measuring range:* 10 Ohm - 5 MOhm

*Accuracy:* 1% + 0.02 in the measuring range of 10 Ohm - 5 MOhm

*Test frequency:* 1 kHz

#### Capacity:

*Measuring range:* 20pF - 4999µF

*Accuracy:* 3% + 1.7pF \* typical deviation 1.6pF at 0402 part size

*Resolution:* 0.1pF in the measuring range of 1pF - 100 PF

*Test frequency:* 1 kHz C > 1000pF, 10 kHz C < 1000pF, 100 Hz C > µF

#### Inductive resistance:

*Measuring range:* 10µH - 499mH

*Accuracy:* 3% + 0.4µH \* typical deviation 1.4µH at 0402 part size

*Resolution:* 0.046 in the measuring range of 0.46 - 100µH

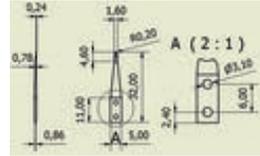
*Test frequency:* 10 kHz L < 1mH > 1mH, 100 Hz L < 10mH

[dpvlink 10022](#)

Article	Type
ST-5S	<b>SMART TWEEZERS ST-5</b> incl. rechargeable LiPo battery



### Exchangeable tips set standard



Exchangeable tips set standard (replacement tips) for Smart Tweezers

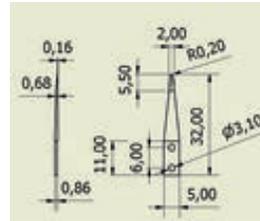
[dpvlink 13334](#)

Article

ST5-IT-T **Exchangeable tips set standard for ST-5**



### Exchangeable tips High Precision Sharp



Exchangeable tips set High Precision Sharp (replacement tips) for Smart Tweezers

[dpvlink 13340](#)

Article

ST5-IT-TSHP **Exchangeable tips High Precision Sharp for ST-5**



### SMART TWEEZERS Iskra ST5-LED



Automatic, adaptive SMD LED tester with a precise and gold-plated pair of tweezers. Smart Tweezers® Iskra™ is a specialized solution for testing and verification of SMD and throughhole LEDs.

Comfortable one-hand operation, automatic LED polarity detection, forward drop voltage display, adjustable preset test current.

#### Technical data

*Operating temperature:* 0°C to +55°C

*Dimensions:* 15.0 x 1.8 x 1.5 cm (5.9 x 0.7 x 0.6 inch)

*Weight:* 30 gr (1 oz)

*Test current:* 1, 2, 5, 10, 20, 30 mA

*Duty cycle:* 10, 20, 30, 40, 50%

*Test signal:* 5 Volt (max)

*Test current pulse duration:* 10 to 1000 msec

*Battery type:* LiPo, 180 mAh, 20 hours (continuous use)

*Charging cycle:* 5 Volt, 50 mA direct current, 3 hours

[dpvlink 19484](#)

Article Type

ST-5.LED **SMART TWEEZERS Iskra ST-5**  
incl. rechargeable LiPo battery



## Wiha Professional ESD



Wiha Professional ESD tweezers for all conventional applications in electronics industry.

- antimagnetic and acid-resistant
- for precise works
- antistatic

### Universal tweezers Professional ESD AA



**Version:** Smooth gripping surfaces, without grooves. Glare-free, black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Special alloyed, chrome-nickel stainless steel.

**Application:** Universal tweezers for all common applications in electronics.

**dpvlink** 12805

Article	Type	L [mm]
ZP.01014130	Universal tweezers Professional ESD type AA	130 mm

ZP.01014130 Universal tweezers Professional ESD type AA 130 mm

### Universal tweezers Professional ESD 40



**Version:** Finely serrated gripping surfaces, with grooves. Glare-free, black coated, antistatic. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Universal tweezers for all common applications in electronics.

**dpvlink** 12807

Article	Type	L [mm]
ZP.46014145	Universal tweezers Professional ESD type 40	145 mm

ZP.46014145 Universal tweezers Professional ESD type 40 145 mm

### Precision tweezers Professional ESD GG



**Version:** Smooth gripping surfaces, without grooves. Glare-free, black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

**dpvlink** 12809

Article	Type	L [mm]
ZP.06014130	Precision tweezers Professional ESD type GG	145 mm

ZP.06014130 Precision tweezers Professional ESD type GG 145 mm

### Precision tweezers Professional ESD PSF



**Version:** Smooth gripping surfaces, without grooves. Glare-free, black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

**dpvlink** 12811

Article	Type	L [mm]
ZP.07114130	Precision tweezers Professional ESD type PSF	130 mm

ZP.07114130 Precision tweezers Professional ESD type PSF 130 mm

### Precision tweezers Professional ESD SS



**Version:** Smooth gripping surfaces, without grooves. Glare-free, black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers to grip and hold electronic components.

**dpvlink** 12813

Article	Type	L [mm]
ZP.09014135	Precision tweezers Professional ESD type SS	135 mm

ZP.09014135 Precision tweezers Professional ESD type SS 135 mm

### Precision tweezers Professional ESD 00



**Version:** Smooth gripping surfaces, without grooves. Glare-free, black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

**dpvlink** 12815

Article	Type	L [mm]
ZP.11014120	Precision tweezers Professional ESD type 00	120 mm

ZP.11014120 Precision tweezers Professional ESD type 00 120 mm

### Precision tweezers Professional ESD 2A



**Version:** Smooth gripping surfaces, without grooves. Glare-free, black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components

**dpvlink** 12817

Article	Type	L [mm]
ZP.15014120	Precision tweezers Professional ESD type 2A	120 mm

ZP.15014120 Precision tweezers Professional ESD type 2A 120 mm

### Precision tweezers Professional ESD 3C



**Version:** Smooth gripping surfaces, without grooves. Glare-free, black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

**dpvlink** 12819

Article	Type	L [mm]
ZP.16014110	Precision tweezers Professional ESD type 3C	110 mm

ZP.16014110 Precision tweezers Professional ESD type 3C 110 mm

### Precision tweezers Professional ESD 5



**Version:** Smooth gripping surfaces, without grooves. Glare-free black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

**dpvlink** 12821

Article	Type	L [mm]
ZP.18014110	recision tweezers Professional ESD type 5	110 mm

ZP.18014110 recision tweezers Professional ESD type 5 110 mm

# Precision tweezers

## Precision tweezers Professional ESD 7A *wiha*



**Version:** Smooth gripping surfaces, without grooves. Glare-free black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

*dpvlink* 12823

Article	Type	L [mm]
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ZP.20114120	Precision tweezers Professional ESD type 7A	120 mm
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## Precision tweezers Professional ESD 7ABB *wiha*



**Version:** Smooth gripping surfaces, without grooves. Glare-free black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

*dpvlink* 12825

Article	Type	L [mm]
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ZP.20214120	Precision tweezers Professional ESD type 7ABB	120 mm
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## SMD tweezers Professional ESD 12 *wiha*



**Version:** Smooth gripping surfaces, without grooves. Glare-free black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

*dpvlink* 12827

Article	Type	L [mm]
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ZP.24014120	SMD tweezers Professional ESD type 12	120 mm
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## SMD tweezers Professional ESD 13 *wiha*



**Version:** Smooth gripping surfaces, without grooves. Glare-free black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

*dpvlink* 12829

Article	Type	L [mm]
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ZP.25214120	SMD tweezers Professional ESD type 13	120 mm
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## SMD tweezers Professional ESD 59 *wiha*



**Version:** Smooth gripping surfaces, without grooves. Glare-free black coated, anti-static. Antimagnetic and acid-resistant.

**Material:** Specially alloyed, chrome-nickel stainless steel.

**Application:** Precision tweezers for gripping and holding electronic components.

*dpvlink* 12833

Article	Type	L [mm]
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ZP.50014117	SMD tweezers Professional ESD type 59	117 mm
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## SMD tweezer set Professional ESD 4-piece *wiha*



### SMD tweezer set Professional ESD 4-piece

manufactured in accordance with IEC 61340-5-1. All tweezers are ESD safe (antistatic) due to a special ESD coating, acid-resistant, stainless and 100% antimagnetic.

consisting of:

-ZP 01 014 130

-ZP 07 114 130

-ZP 25 214 120

-ZP 50 014 117

*dpvlink* 13280

Article	Type
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ZP99014002.ESD	SMD tweezers set Professional ESD 4-piece
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## KNIPEX

### KNIPEX ESD



KNIPEX ESD Precision tweezers convince by high precision and fineness:

- Chrome / nickel steel, stainless, antimagnetic (18/10), not hardenable
- Brushed, glare-free tips
- Matt gripping surface for optimal grip
- ESD coating, glare-free black.

In compliance with ESD standard DIN EN 61340-5-1 

### SMD Universal tweezers set 5-piece

**NEU**



Manufactured in accordance with DIN 61340-5-1. All tweezers are ESD-safe (antistatic) due to a special ESD coating, stainless and antimagnetic.

Consisting of:

- K-922870.ESD
- K-922871.ESD
- K-922869.ESD
- K-923875.ESD
- K-925874.ESD

*dpvlink* 26481

Article	Type
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K-9200.01.ESD	SMD Universal tweezers set 5-piece
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## SMD Plastic tweezers set 5-piece

NEU



Manufactured in accordance with DIN 61340-5-1. All tweezers are ESD-safe (antistatic).

Consisting of:

- 92 09 02 ESD
- 92 09 03 ESD
- 92 09 01 ESD
- 92 09 04 ESD
- 92 09 05 ESD

dpvlink 26485

Article	Type	QR Code
K-9200.05.ESD	SMD Plastic tweezers set 5-piece	

## Placement tweezers 920878



for SMD technology, angled tips, smooth gripping surfaces.

dpvlink 8792

Article	Type	L [mm]	QR Code
K-920878.ESD	Placement tweezers 920878	118	

## Placement tweezers 920879



for gripping horizontally arranged, cylindrical components with Ø 1.0 mm and width 4.0 mm, gripping surface smooth, serrated handles.

dpvlink 8794

Article	Type	L [mm]	QR Code
K-920879.ESD	Placement tweezers 920879	122	

## Precision tweezers 922869



straight shape, strong tips, smooth gripping surfaces.

dpvlink 8790

Article	Type	L [mm]	QR Code
K-922869.ESD	Precision tweezers 922869	120	

## Precision tweezers 922870



Straight shape, fine tips, smooth gripping surfaces.

dpvlink 8796

Article	Type	L [mm]	QR Code
K-922870.ESD	Precision tweezers 922870	110	

## Precision tweezers 922871



Fine tips, straight shape, smooth gripping surfaces.

dpvlink 8798

Article	Type	L [mm]	QR Code
K-922871.ESD	Precision tweezers 922871	110	

## Precision tweezers 922872



American style, sturdy, long tips, straight shape, smooth gripping surfaces.

dpvlink 8800

Article	Type	L [mm]	QR Code
K-922872.ESD	Precision tweezers 922872	130	

## Precision tweezers 923875



Crescent-shaped tips, smooth gripping surfaces.

dpvlink 8802

Article	Type	L [mm]	QR Code
K-923875.ESD	Precision tweezers 923875	118	

## Precision tweezers 925874



Round tips, approx. 2 mm wide, straight shape, smooth gripping surface.

dpvlink 8804

Article	Type	L [mm]	QR Code
K-925874.ESD	Precision tweezers 925874	118	

## Precision tweezers 927877



Round tips, approx. 3.5 mm wide, straight, serrated gripping surfaces and handles.

dpvlink 8806

Article	Type	L [mm]	QR Code
K-927877.ESD	Precision tweezers 927877	145	

## KNIPEX insulated - 1000V



- tested according to IEC 60900: 2004
- dip-insulated
- nickel-plated

### SMD Universal tweezers set 5-piece

NEU



Manufactured in accordance with DIN 60900. All tweezers are ESD-safe (antistatic) and insulated.

Kit consists of:

- K-924701
- K-922761
- K-923764
- K-922762
- K-926763

dpvlink 26483

Article	Type
K-9200.04	SMD Universal tweezers set insulated 5-piece



### Precision tweezers 922761 insulated



For fine assembly work, extra fine tips, straight shape, gripping surfaces matt for optimal grip.

dpvlink 8810

Article	Type	L [mm]
K-922761	Precision tweezers 922761	125 mm



### Precision tweezers 922762 insulated



Straight shape, gripping surfaces finely serrated

dpvlink 8814

Article	Type	L [mm]
K-922762	Precision tweezers 922762	150



### Precision tweezers 923764 insulated



Angled tips, gripping surfaces finely serrated.

dpvlink 8816

Article	Type	L [mm]
K-923764	Precision tweezers 923764	148 mm



### Precision tweezers 926763 insulated



Straight shape, serrated gripping surfaces.

dpvlink 8818

Article	Type	L [mm]
K-926763	Precision tweezers 926763	145



## CK

### CK BASIC

# BasiC



Basic, the classic all-round range in proven quality for the use in electronics and fine mechanics, schools, workshops.

- High-quality tool steel, polished, nickel-plated or coated
- Some models made of stainless steel, polished, matted
- Different shapes, lengths and thicknesses
- With or without cut

### Universal tweezers 2307



Universal tweezers with rounded tips (3.5 mm) and fine cut. Polished and finely nickel-plated. Serrated handles.

dpvlink 21298

Article	Type	L [mm]	Material
2307	Universal tweezers 2307	145	Carbon steel



### Reverse-action tweezers (self-clamping) 2313A C



Soldering tweezers with heat-insulating protection plates in the grip area. Tips 2.5 mm, 15 mm bent. Without cut. Polished and finely nickel-plated.

dpvlink 1111

Article	Type	L [mm]	Material
2313A	Reverse-action tweezers (self-clamping) 2313A C	160	Tool steel, hardened



### Radio tweezers 2327 C



Rounded, straight tips (2 mm) with fine cut. Polished and finely nickel-plated. Serrated handles. For universal use, suitable for service work in radio, hi-fi and video sectors.

dpvlink 1115

Article	Type	L [mm]	Material
2327	Radio tweezers 2327 C	155	Tool steel, hardened



### Radio tweezers 2328 C



Rounded, bent tips (2 mm), with fine cut. Polished and finely nickel-plated. Serrated handles. For universal use, suitable for service work in the radio, hi-fi and video sectors.

dpvlink 1117

Article	Type	L [mm]	Material
2328	Radio tweezers 2328 C	155	Tool steel, hardened



## CK PRECISION

precision



The series "Precision" impresses with high precision and fineness and has been adapted to the constantly changing requirements.

- Steel of highest quality, stainless, antimagnetic, acid-resistant.
- Produced with the most modern production methods.
- Controlled bit by bit.
- Finely polished, matt.
- Available in a wide range, many shapes, lengths and thicknesses.

### Precision tweezers 2316 SA (18/10)



Fine, straight tips. Finely polished. Austenitic, stainless steel, antimagnetic, acid-resistant.

**dpvlink 1119**

Article	Type	Length [mm]
2316	Precision tweezers 2316 SA (18/10)	105



### Precision tweezers 2317 SA (18/10)



Fine, bent tips. Finely polished. Austenitic, stainless steel, antimagnetic, acid-resistant.

**dpvlink 1121**

Article	Type	Length [mm]
2317	Precision tweezers 2317 SA (18/10)	105



### Precision tweezers 2318 SA (18/10)



Fine, straight, extra long tips. Finely polished. Austenitic, stainless steel, antimagnetic, acid-resistant.

**dpvlink 1123**

Article	Type	Length [mm]
2318	Precision tweezers 2318 SA (18/10)	130



### Precision tweezers 2319 S



Fine, straight tips. Finely polished. Stainless steel.

**dpvlink 1125**

Article	Type	Length [mm]
2319	Precision tweezers 2319 S	120



### Precision tweezers SMD type 5B.SA



Superfine tips, bent by 60°. For various applications.

**dpvlink 1127**

Article	Type	Length [mm]
2330	Precision tweezers SMD type 5B.SA	110



### Precision tweezers SMD type 5C.SA



Superfine tips, bent by 60° and curved. For working in the narrowest spaces.

**dpvlink 1129**

Article	Type	Length [mm]
2331	Precision tweezers SMD type 5C.SA	115



### Placement tweezers SMD type SM104.SA



For an easy, lateral gripping and positioning of components in the SOT case

**dpvlink 1143**

Article	Type	Length [mm]
2334	Placement tweezers SMD type SM104.SA	120



### Placement tweezers SMD type SM115.SA



For the holding and positioning of cylindrical parts up to Ø 1 mm. Tips angled by 30°, rounded inside.

**dpvlink 1147**

Article	Type	Length [mm]
2336	Placement tweezers SMD type SM115.SA	120



### Precision tweezers 2339 SA



Fine, bent tips, Austenitic, stainless steel, anti-magnetic, acid-resistant.

**dpvlink 21329**

Article	Type	Length [mm]
2339	Precision tweezers 2339 SA	110



### Precision tweezers type 3C.SA



Extremely fine, sharp tips, straight. For various applications.

**dpvlink 1133**

Article	Type	Length [mm]
2340	Precision tweezers type 3C.SA	110



### Precision tweezers type 5.SA



Superfine tips, straight. For various applications.

**dpvlink 1131**

Article	Type	Length [mm]
2341	Precision tweezers type 5.SA	110



### Precision tweezers type MM.SA



Fine tips, straight. For various applications.

**dpvlink 1135**

Article	Type	Length [mm]
2343	Precision tweezers type MM.SA	130



## Reverse-action tweezers (self-clamping) SMD type X104.SA



For an easy lateral gripping and positioning of components in the SOT case and for similar applications. Fatigue-free working

**dpvlink 1141**

Article	Type	Length [mm]
2349	Reverse-action tweezers (self-clamping) SMD type X104.SA	120



## Placement tweezers SMD type 582.SA



For the holding, positioning and desoldering of horizontal cylindrical components up to 1 mm  $\varnothing$ . Tips rounded inside. Serrated handles.

**dpvlink 1157**

Article	Type	Length [mm]
2351	Placement tweezers SMD type 582.SA	115



## Placement tweezers SMD type 579.SA



For the holding, positioning and desoldering of horizontal cylindrical components up to 2 mm  $\varnothing$ . Tips rounded inside. Serrated handles.

**dpvlink 1201**

Article	Type	Length [mm]
2354	Placement tweezers SMD type 579.SA	115



## Placement tweezers type 22.SA



Fine, bent tips with fine cross cut. Serrated handles. For general application.

**dpvlink 1225**

Article	Type	Length [mm]
2359	Placement tweezers type 22.SA	150



## Placement tweezers type 2A.SA



Flat, rounded tips, very finely polished.

**dpvlink 1227**

Article	Type	Length [mm]
2360	Placement tweezers type 2A.SA	120



## Flat gripping tweezers type 127.SA



Spatulate, rectangular, flat tips, very smooth inside to protect the surface of the component. Serrated handles.

**dpvlink 1153**

Article	Type	Length [mm]
2364	Flat gripping tweezers type 127.SA	105



## Precision tweezers type 00D.SA



Flat, blunt tips, strong. With a fine cut. Serrated handles.

**dpvlink 1231**

Article	Type	Length [mm]
2381	Precision tweezers type 00D.SA	120



## Precision tweezers type AA.SA



Fine, straight tips. For different applications.

**dpvlink 19472**

Article	Type	Length [mm]
2346	Precision tweezers type AA.SA	127



## Precision tweezers type 00.SA



Strong, thick, flat tips, straight.

**dpvlink 19474**

Article	Type	Length [mm]
2347	Precision tweezers type 00.SA	123



## Precision tweezers type 2.SA



Flat, sharp, fine tips.

**dpvlink 19476**

Article	Type	Length [mm]
2348	Precision tweezers type 2.SA	122



## CK Precision ESD



The series „Precision ESD“ was especially developed for the safe handling of small components in fine applications where it is critical to prevent damage from electrostatic charge.

- Stainless steel anti-magnetic, acid- and corrosion-resistant
- ESD-safe black epoxy coating
- Manufactured with state-of-the art production methods
- Controlled piece by piece
- Wide selection, many shapes lengths and thicknesses

## Precision tweezers type 5.SA ESD



Superfine tips, straight. For various applications.

ESD-safe epoxy coating.

**dpvlink 19335**

Article	Type	L [mm]
2341D-ESD	Precision tweezers type 5.SA ESD	110



## Precision tweezers type AA.SA ESD



Fine tips, straight. For various applications.

ESD-safe epoxy coating.

dpvlink 19370			
Article	Type	L [mm]	QR
2346D-ESD	Precision tweezers type AA.SA ESD	127	

## Precision tweezers type SS.SA ESD



Slim long, super-fine tips. Provides extended reach and access in confined areas.

ESD-safe epoxy coating.

dpvlink 19372			
Article	Type	L [mm]	QR
2368D-ESD	Precision tweezers type SS.SA ESD	140	

## Precision tweezers type 00.SA ESD



Strong, thick, flat tips, straight.

ESD-safe epoxy coating.

dpvlink 19375			
Article	Type	L [mm]	QR
2347D-ESD	Precision tweezers type 00.SA ESD	122	

## Precision tweezers type 1.SA ESD



Slim, straight, fine tips.

ESD-safe epoxy coating.

dpvlink 19377			
Article	Type	L [mm]	QR
2369D-ESD	Precision tweezers type 1.SA ESD	120	

## Precision tweezers type 2.SA ESD



Flat, sharp, fine tips.

ESD-safe epoxy coating.

dpvlink 19379			
Article	Type	L [mm]	QR
2348D-ESD	Precision tweezers type 2.SA ESD	120	

## Precision tweezers type 2AB.SA ESD



Flat, sharp tips, bent. For the handling of delicate or small components. Tip angle facilitates the equipping of PCBs.

ESD-safe epoxy coating.

dpvlink 19381			
Article	Type	L [mm]	QR
2370D-ESD	Precision tweezers type 2AB.SA ESD	117	

## Precision tweezers type 3.SA ESD



Very sharp, fine tips.

ESD-safe epoxy coating.

dpvlink 19383			
Article	Type	L [mm]	QR
2379D-ESD	Precision tweezers type 3.SA ESD	120	

## Precision tweezers type 3C.SA ESD



Extremely fine, sharp tips, straight. For various applications.

ESD-safe epoxy coating.

dpvlink 19470			
Article	Type	L [mm]	QR
2340D-ESD	Precision tweezers type 3C.SA ESD	110	

## Precision tweezers type 4A.SA ESD



Superfine, robust tips, straight. For various applications.

ESD-safe epoxy coating.

dpvlink 19385			
Article	Type	L [mm]	QR
2388D-ESD	Precision tweezers type 4A.SA ESD	110	

## Precision tweezers type 5A.SA ESD



Oblique, extremely fine tips. For better visibility during work.

ESD-safe epoxy coating.

dpvlink 19387			
Article	Type	L [mm]	QR
2389D-ESD	Precision tweezers type 5A.SA ESD	115	

## Precision tweezers type 7A.SA ESD



Extremely fine tips, bent and robust.

ESD-safe epoxy coating.

dpvlink 19389			
Article	Type	L [mm]	QR
2361D-ESD	Precision tweezers type 7A.SA ESD	120	

## Precision tweezers type 12.SA ESD



For positioning and soldering 1mm wide components. Tips bent by 45°.

ESD-safe epoxy coating.

dpvlink 19391			
Article	Type	L [mm]	QR
2362D-ESD	Precision tweezers type 12.SA ESD	120	

# Precision tweezers

## Precision tweezers type 13.SA ESD



Grooved tips for positioning and soldering 1mm wide components.

ESD-safe epoxy coating.

**dpvlink 19393**

Article	Type	L [mm]
2363D-ESD	Precision tweezers type 13.SA ESD	120



## Placement tweezers type 2A.SA ESD



Flat, round tips, very fine polished. Straight.

ESD-safe epoxy coating.

**dpvlink 19471**

Article	Type	L [mm]
2360D-ESD	Placement tweezers type 2A.SA ESD	123



## CK CARBOFIB



The tips of the Carbofib tweezers consist of black carbon fiber material. Significantly softer than steel, but still resistant, with their smooth surface they go easy on components with very sensitive surfaces, such as SMD, wafer or ceramic capacitors. The conductive material is suitable for ESD areas, completely antimagnetic, acid-resistant and resistant to temperatures up to 270°C.

## Placement tweezers type 259CF



Fine tips made of carbon fiber.

**dpvlink 1244**

Article	Type	L [mm]
2390	Placement tweezers type 259CF	130



## Placement tweezers type 5CF



Fine, extra slender tips made of carbon fiber.

**dpvlink 1247**

Article	Type	L [mm]
2391	Placement tweezers type 5CF	130



## Placement tweezers type 249CF



Round tips, 2 mm wide, made of carbon fiber.

**dpvlink 1249**

Article	Type	L [mm]
2392	Placement tweezers type 249CF	130



## CK CERAMIC



The especially light ceramic tweezers are characterized by a large number of special properties which meet also very special requirements.

## Ceramic tweezers type 73 MZ SA



Straight tips made of zirconia ceramic. Smooth stainless steel handles.

**dpvlink 1308**

Article	Type	L [mm]
2345A	Ceramic tweezers type 73 MZ SA	140



## Ideal-tek



As a Swiss manufacturer *ideal-tek* is specialized in the production of high-quality precision tweezers and pliers in the highest quality segment.

The tools of *ideal-tek* impress by an exceptional precision and fineness. Specifically satined surfaces provide a glare-free and comfortable working. Only high-quality raw materials are used.

*ideal-tek* has more than 30 years of experience in the application of high-tech plastics and ceramics.

ESD safety and mechanical sensitivity of the parts as well as a user-friendly handling and ergonomic finishing are ensured by a wide range of material variations, surface coatings and different designs.

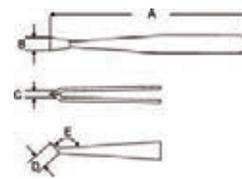
Consequently, this enormous selection allows you to find the most optimal solution for your requirements.

## Material descriptions and properties

Code	Material	Properties
C	Carbon steel	<ul style="list-style-type: none"> <li>· very long service life</li> <li>· very sturdy</li> <li>· optimum hardness</li> <li>· resistant</li> <li>· highly magnetic</li> <li>· sensitive to corrosion (Protection only by nickel plating)</li> </ul>
S	Tool steel, hardened	<ul style="list-style-type: none"> <li>· stainless</li> <li>· fine tips available</li> <li>· good hardness values</li> <li>· magnetizable</li> </ul>
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>
BR	Copper zinc alloy (brass)	<ul style="list-style-type: none"> <li>· antimagnetic</li> <li>· largely resistant to corrosion by water and vapor</li> <li>· very good cold formability</li> <li>· suitable for sensitive mechanical parts</li> </ul>

Code	Material	Properties
CF	conductive carbon fiber reinforced Carbofib (PA)	<ul style="list-style-type: none"> <li>· ESD safe, conductive</li> <li>· chemical resistance</li> <li>· gentle on surfaces</li> <li>· strong and durable</li> <li>· surface resistance <math>10^2</math> ohm</li> <li>· temperature-resistant up to 190°C</li> <li>· continuous use temperature 130°C</li> </ul>
CP	conductive carbon fiber reinforced PEEK	<ul style="list-style-type: none"> <li>· ESD safe, dissipative</li> <li>· very hard and stiff</li> <li>· high resistance against aggressive chemicals</li> <li>· surface resistance <math>10^5 - 10^6</math> ohm</li> <li>· temperature-resistant up to 300°C</li> <li>· continuous use temperature up to 260°C</li> </ul>
<b>Note:</b> All-steel tweezers are 100% conductive. In certain circumstances they can be used in ESD areas. The decision about an application in ESD areas is up to the user.		
MZ Ceramic	Zirconia ceramic and aluminium	<ul style="list-style-type: none"> <li>· no electromagnetic induction at high frequency</li> <li>· no eddy current losses</li> <li>· 100% electrically insulating</li> <li>· 100% antimagnetic</li> <li>· 100% antistatic</li> <li>· 100% stainless</li> <li>· extremely wear-resistant</li> <li>· temperature-resistant up to 700°C</li> <li>· extremely low thermal conductivity</li> <li>· resistant to acids and alkalis (except hydrofluoric acid)</li> <li>· extremely smooth anti-adhesive surface</li> <li>· tips can break in case of misuse</li> </ul>
<b>Note:</b> The following coatings can be applied to all suitable tweezers. Prices on request.		
DN	PVC foam	<ul style="list-style-type: none"> <li>· very soft and elastic</li> <li>· abrasion-resistant</li> <li>· tear-resistant</li> <li>· good chemical resistance</li> <li>· ESD safe, dissipative</li> <li>· In compliance with the ESD standard DIN EN 61340-5-1</li> </ul>
DR	Nitrile	<ul style="list-style-type: none"> <li>· very soft and elastic</li> <li>· high chemical resistance</li> <li>· ESD safe, dissipative</li> <li>· In compliance with ESD standard DIN EN 61340-5-1</li> </ul>
ESD (NE)	ESD Polyester epoxy (black)	<ul style="list-style-type: none"> <li>· ESD safe</li> <li>· temperature-resistant up to 150°C</li> <li>· In compliance with ESD standard DIN EN 61340-5-1</li> </ul>

## Plastic precision tweezers



The *ideal-tek* precision plastic tweezers in three different materials for various applications. Version CF is suitable for ESD sensitive components.

Code	Material	Properties
CF	conductive carbon fiber reinforced Carbofib (PA)	<ul style="list-style-type: none"> <li>· ESD safe, conductive</li> <li>· chemical resistance</li> <li>· gentle on surfaces</li> <li>· strong and durable</li> <li>· surface resistance <math>10^2</math> ohm</li> <li>· temperature-resistant up to 190°C</li> <li>· continuous use temperature 130°C</li> </ul>

### Plastic precision tweezers 702A



B: 2.0 mm, C: 1.0 mm; flat rounded tips, Swiss-made

[dpvlink 12463](#)

Article	Type	L [mm]
I-702A.CF	ESD plastic tweezers 702A.CF	115



### Plastic precision tweezers 705



B: 0.05 mm, C: 0.6 mm; very fine, offset tips, Swiss-made

[dpvlink 11672](#)

Article	Type	L [mm]
I-705.CF	ESD plastic tweezers 705.CF	115



### Plastic precision tweezers 707



B: 0.05 mm, C: 1.2 mm; fine tips, Swiss-made

[dpvlink 11564](#)

Article	Type	L [mm]
I-707.CF	ESD plastic tweezers 707.CF	115



### Plastic precision tweezers 707A



B: 0.6 mm, C: 1.0 mm; fine, bent tips, Swiss-made

[dpvlink 12465](#)

Article	Type	L [mm]
I-707A.CF	ESD plastic tweezers 707A.CF	115



# Precision tweezers

## Plastic precision tweezers 708



B: 0.5 mm, C: 1.0 mm, D: 9.0 mm, E: 45°; fine, angled tips, Swiss-made

**dpvlink 11566**

Article	Type	L [mm]
I-708.CF	ESD plastic tweezers 708.CF	115



## Plastic precision tweezers 709



B: 3.0 mm, C: 0.5 mm; wide tips, Swiss-made

**dpvlink 11574**

Article	Type	L [mm]
I-709.CF	ESD plastic tweezers 709.CF	115



## Plastic precision tweezers 710



B: 8.0 mm, C: 0.5 mm; slit-shaped tips, Swiss-made

**dpvlink 11568**

Article	Type	L [mm]
I-710.CF	ESD plastic tweezers 710.CF	115



## Plastic precision tweezers set



high-quality, content: 702A, 705, 707, 708, 709, 710, Swiss-made

**dpvlink 12468**

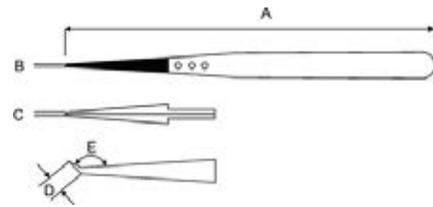
Article	Type
I-K6CF	Plastic tweezers set



## ESD tweezers with plastic tips

ideal-tek has the world's largest range of precision tweezers with plastic tips and more than 20 years of experience in the application of high-tech plastics with precision tools.

Code	Material	Properties
<b>Material of handle</b>		
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>
<b>Material of tips</b>		
CF	<i>Tips:</i> conductive carbon fiber reinforced Carbofib <i>Handles:</i> stainless steel	<ul style="list-style-type: none"> <li>· ESD safe, conductive</li> <li>· chemical resistance</li> <li>· gentle on surfaces</li> <li>· strong and durable</li> <li>· surface resistance 10<sup>2</sup> ohm</li> <li>· temperature-resistant up to 190°C</li> <li>· continuous use temperature 130°C</li> </ul>



## ESD tweezers with plastic tips 00



B: 1.0 mm, C: 2.0 mm; plastic tips, Swiss-made

**dpvlink 11524**

Article	Type	L [mm]
I-00CF.SA	ESD placement tweezers 00CF.SA	130



## ESD tweezers with plastic tips 2A



B: 1.8 mm, C: 1.0 mm; plastic tips, Swiss-made

**dpvlink 11850**

Article	Type	L [mm]
I-2ACF.SA	ESD placement tweezers 2ACF.SA	130



## ESD tweezers with plastic tips 5



B: 0.5 mm, C: 0.6 mm; plastic tips, Swiss-made

**dpvlink 11970**

Article	Type	L [mm]
I-5CF.SA	ESD placement tweezers 5CF.SA	130



## ESD tweezers with plastic tips 248



B: 10 mm, C: 1.8 mm; plastic tips, Swiss-made

**dpvlink 11814**

Article	Type	L [mm]
I-248CF.SA	ESD placement tweezers 248CF.SA	130



## ESD tweezers with plastic tips 249



B: 2.2 mm C: 2.2 mm; plastic tips, Swiss-made

**dpvlink 11818**

Article	Type	L [mm]
I-249CF.SA	ESD placement tweezers 249CF.SA	130



## ESD tweezers with plastic tips 259



B: 0.6 mm, C: 1.0 mm; plastic tips, Swiss-made

**dpvlink 11838**

Article	Type	L [mm]
I-259CF.SA	ESD placement tweezers 259CF.SA	130



## ESD tweezers with plastic tips 269



B 3.0 mm, C: 1.8 mm; plastic tips, Swiss-made

**dpvlink 11844**

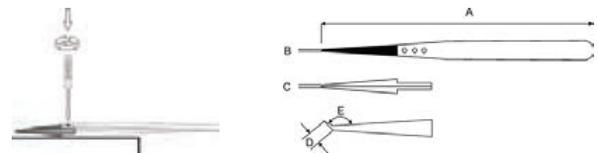
Article	Type	L [mm]
I-269CF.SA	ESD placement tweezers 269CF.SA	130



## ESD tweezers with exchangeable tips

*ideal-tek* has the world's largest range of precision tweezers with plastic tips and more than 20 years of experience in the application of hightech plastics for precision tools. The *ideal-tek* tips system is easy to use and of highest precision. Replacement tip kits include two tips and 3 screws.

Code	Material	Properties
<b>Material of handle</b>		
SA	stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>
<b>Material of exchangeable tips</b>		
CF	<i>Tips:</i> conductive carbon fiber reinforced Carbofib <i>Handles:</i> stainless steel	<ul style="list-style-type: none"> <li>· ESD safe, conductive</li> <li>· chemical resistance</li> <li>· gentle on surfaces</li> <li>· strong and durable</li> <li>· surface resistance <math>10^2</math> ohm</li> <li>· temperature-resistant up to 190°C</li> <li>· continuous use temperature 130°C</li> </ul>
CP	<i>Tips:</i> conductive carbon fiber-reinforced PEEK <i>Handles:</i> stainless steel	<ul style="list-style-type: none"> <li>· ESD safe, dissipative</li> <li>· very hard and stiff</li> <li>· high resistance to aggressive chemicals</li> <li>· surface resistance <math>10^5 - 10^6</math> ohm</li> <li>· temperature-resistant up to 300°C</li> <li>· continuous use temperature 130°C</li> </ul>



## Tweezers with exchangeable tips 00



B: 1.0 mm, C: 2.0 mm; exchangeable plastic tips, Swiss-made

**dpvlink 11788**

Article	Type	L [mm]
I-00CFR.SA	ESD exchangeable tip tweezers 00CFR.SA	130
I-A00CF	Replacement exchangeable tips A00CF	



## Tweezers with exchangeable tips 2A



B: 1.8 mm, C: 1.0 mm; exchangeable plastic tips, Swiss-made

**dpvlink 11854**

Article	Type	L [mm]
I-2ACFR.SA	ESD exchangeable tip tweezers 2ACFR.SA	130
I-2ACPR.SA	ESD exchangeable tip tweezers 2ACPR.SA	130
I-A2ACF	Replacement exchangeable tips A2ACF	
I-A2ACP	Replacement exchangeable tips A2ACP	



## Reverse-action tweezers with exchangeable tips 2AX



B: 1.8 mm, C: 1.0 mm; exchangeable plastic tips, Swiss-made

### dpvlink 11862

Article	Type	L [mm]
I-2AXCFR.SA	ESD exchangeable tip reverse-action tweezers 2AXCPR .SA	130
I-2AXCPR.SA	ESD exchangeable tip reverse-action tweezers 2AXCPR .SA	130
I-2AXSVR.SA	ESD exchangeable tip reverse-action tweezers 2AXCPR .SA	130

\*\* Replaceable tips like with 2A \*\*

## Tweezers with exchangeable tips 2AB



B: 1.8 mm, C: 1.0 mm; exchangeable plastic tips, Swiss-made

### dpvlink 11648

Article	Type	L [mm]
I-2ABCFR.SA	ESD exchangeable tip tweezers 2ABCFR.SA	130
I-2ABCPR.SA	ESD exchangeable tip tweezers 2ABCPR.SA	130
I-A2ABCF	Replacement exchangeable tips A2ABCF	
I-A2ABCP	Replacement exchangeable tips A2ABCP	

## Tweezers with exchangeable tips 5



B: 0.5 mm, C: 0.6 mm; exchangeable plastic tips, Swiss-made

### dpvlink 11972

Article	Type	L [mm]
I-5CFR.SA	ESD exchangeable tip tweezers 5CFR.SA	130
I-5CPR.SA	ESD exchangeable tip tweezers 5CPR.SA	130
I-A5CF	Replacement exchangeable tips A5CF	
I-A5CP	Replacement exchangeable tips A5CP	

## Tweezers with exchangeable tips 7



B: 0.6 mm, C: 0.6 mm; exchangeable plastic tips, Swiss-made

### dpvlink 12030

Article	Type	L [mm]
I-7CFR.SA	ESD exchangeable tip tweezers 7CFR.SA	130
I-7CPR.SA	ESD exchangeable tip tweezers 7CPR.SA	130
I-A7CF	Replacement exchangeable tips A7CF	
I-A7CP	Replacement exchangeable tips A7CP	

## Tweezers with exchangeable tips 242



B: 1.4 mm, C: 1.2 mm; exchangeable plastic tips, Swiss-made

### dpvlink 11810

Article	Type	L [mm]
I-242CFR.SA	ESD exchangeable tip tweezers 242CFR.SA	130
I-242CPR.SA	ESD exchangeable tip tweezers 242CPR.SA	130
I-A242CF	Replacement exchangeable tips A242CF	
I-A242CP	Replacement exchangeable tips A242CP	

## Tweezers with exchangeable tips 246



B: 0.6 mm, C: 0.8 mm, D: 9.0 mm, E: 45°; exchangeable plastic tips, Swiss-made

### dpvlink 11812

Article	Type	L [mm]
I-246CFR.SA	ESD exchangeable tip tweezers 246CFR.SA	130
I-A246CF	Replacement exchangeable tips A246CF	

## Tweezers with exchangeable tips 249



B: 2.2 mm C: 2.2 mm; exchangeable plastic tips, Swiss-made

### dpvlink 11820

Article	Type	L [mm]
I-249CFR.SA	ESD exchangeable tip tweezers 249CFR.SA	130
I-249CPR.SA	ESD exchangeable tip tweezers 249CPR.SA	130
I-A249CF	Replacement exchangeable tips A249CF	
I-A249CP	Replacement exchangeable tips A249CP	

## Tweezers with exchangeable tips 259



B: 0.6 mm, C: 1.0 mm; exchangeable plastic tips, Swiss-made

### dpvlink 11840

Article	Type	L [mm]
I-259CFR.SA	ESD exchangeable tip tweezers 259CFR.SA	130
I-259CPR.SA	ESD exchangeable tip tweezers 259CPR.SA	130
I-A259CF	Replacement exchangeable tips A259CF	
I-A259CP	Replacement exchangeable tips A259CP	

## Wafer tweezers 4WFCPR.SA with exchangeable tips



A: 12 mm, B: 10.5 mm, C: 2 mm, D: 3.5 mm, E: 4.5 mm, exchangeable tips, Swiss-made

### dpvlink 11676

Article	Type	L [mm]
I-4WFCPR.SA	Wafer tweezers 4WFCPR.SA	130
I-A4WFCP	ESD exchangeable plastic tips A4WFCP	

## Placement tweezers

Specially designed tweezers to hold electronic components tight and safely.

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

## Placement tweezers 572.SA



for cylindrical components with different diameters, like TO-18, Swiss-made

**dpvlink 11542**

Article	Type	L [mm]	Ø component
I-572.SA	Placement tweezers 572.SA	145	2.5 - 5 mm
I-578.SA	Placement tweezers 578.SA	120	2 mm
I-582.SA	Placement tweezers 582.SA	120	1 mm

## Ceramic tweezers

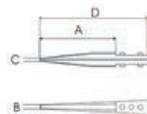
Precision exchangeable tips made of the ceramic zirconia (MZ)

Typical surface resistance  $R_S = 10^{12}$  ohm, insulating.

Resistant to high temperatures of up to 1500°C. Contamination-free even at high temperatures, particularly resistant to abrasion and solder. Tweezer body made of acid-resistant, antimagnetic steel with patented adjustable exchangeable tips.

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>
MZ Ceramic	Zirconia ceramic and aluminium	<ul style="list-style-type: none"> <li>· no electromagnetic induction at high frequency</li> <li>· no eddy current losses</li> <li>· 100% electrically insulating</li> <li>· 100% antimagnetic</li> <li>· 100% antistatic</li> <li>· 100% stainless</li> <li>· extremely wear-resistant</li> <li>· temperature-resistant up to 700°C</li> <li>· extremely low thermal conductivity</li> <li>· resistant to acids and alkalis (except hydrofluoric acid)</li> <li>· extremely smooth anti-adhesive surface</li> <li>· tips can break in case of misuse</li> </ul>

## Ceramic tweezers 2AMZ



A: 35 mm, B: 2 mm C: 0.5 mm, exchangeable tips, Swiss-made

**dpvlink 11612**

Article	Type	L [mm]
I-2AMZ.SA	Ceramic tweezers 2AMZ.SA	130
I-A2AMZ	Exchangeable ceramic tips A2AMZ	

## Ceramic tweezers 71MZ

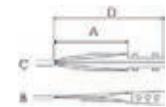


A: 30 mm, B: 0.3 mm, C: 0.3 mm, exchangeable tips, Swiss-made

**dpvlink 11600**

Article	Type	L [mm]
I-71MZ.SA	Ceramic tweezers 71MZ.SA	130
I-A71MZ	Exchangeable ceramic tips A71MZ	

## Ceramic tweezers 72MZ



A: 30 mm, B: 0.3 mm, C: 0.7 mm, exchangeable tips, Swiss-made

**dpvlink 11602**

Article	Type	L [mm]
I-72MZ.SA	Ceramic tweezers 72MZ.SA	135
I-A72MZ	Exchangeable ceramic tips A72MZ	

## Ceramic tweezers 73MZ



A: 35 mm, B: 0.3 mm, C: 1.0 mm, exchangeable tips, Swiss-made

**dpvlink 11604**

Article	Type	L [mm]
I-73MZ.SA	Ceramic tweezers 73MZ.SA	140
I-A73MZ	Exchangeable ceramic tips A73MZ	

## Universal tweezers

Tweezers available in different materials and designs

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

## Universal tweezers AA



straight and fine tips, Swiss-made

**dpvlink 11758**

Article	Type	L [mm]
I-AA.SA	Universal tweezers AA.SA	130

## Universal tweezers MM



robust and fine tips, Swiss-made

**dpvlink 12052**

Article	Type	L [mm]
I-MM.SA	Universal tweezers MM.SA	130

## Universal tweezers 119



fine tips, serrated tips and handles, Swiss-made

**dpvlink 11498**

Article	Type	L [mm]
I-119.SA	Universal tweezers 119.SA	150



## Universal tweezers 120A



fine tips, strongly serrated tips and handles, Swiss-made

**dpvlink 11502**

Article	Type	L [mm]
I-120A.SA	Universal tweezers 120A.SA	110



## Universal tweezers 121



very sturdy, blunt serrated tips and handles, Swiss-made

**dpvlink 11504**

Article	Type	L [mm]
I-121.SA	Universal tweezers 121.SA	160



## Universal tweezers 122.SA



fine and angled tips, serrated handles and tips, Swiss-made

**dpvlink 11508**

Article	Type	L [mm]
I-122.SA	Universal tweezers 122.SA	150



## Universal tweezers 124



fine, angled and strongly serrated tips and handles, Swiss-made

**dpvlink 11512**

Article	Type	L [mm]
I-124.SA	Universal tweezers 124.SA	150



## Universal tweezers 649



sturdy, fine and angled tips, alignment pin, serrated tips and handles; Swiss-made

**dpvlink 11562**

Article	Type	L [mm]
I-649.SA	Universal tweezers 649.SA	150



## Precision tweezers

Handcrafted precision tweezers for a perfect symmetry and balance, with polished edges and glare-free satin finish.

### Precision tweezers 0



flat, fine tips, Swiss-made

**dpvlink 12102**

Article	Type	L [mm]
I-0.SA	Precision tweezers 0.SA	120



### Precision tweezers 00



sturdy, flat, thick tips, Swiss-made

**dpvlink 12098**

Article	Type	L [mm]
I-00.SA	Precision tweezers 00.SA	120



### Precision tweezers 000



sturdy, flat, rounded tips, fine; Swiss-made

**dpvlink 12104**

Article	Type	L [mm]
I-000.SA	Precision tweezers 000.SA	120



### Precision tweezers 00D



as 00, with serrated tips and handles, Swiss-made

**dpvlink 12106**

Article	Type	L [mm]
I-00D.SA	Precision tweezers 00D.SA	120



### Precision tweezers 0C9



flat and fine tips, short; Swiss-made

**dpvlink 12110**

Article	Type	L [mm]
I-0C9.SA	Precision tweezers 0C9.SA	90



## Precision tweezers 1



sturdy, fine and straight tips, Swiss-made

**dpvlink 12112**

Article	Type	L [mm]
I-1.SA	Precision tweezers 1.SA	120



## Precision tweezers 2



flat, sharp and fine tips, Swiss-made

**dpvlink 12084**

Article	Type	L [mm]
I-2.SA	Precision tweezers 2.SA	120



## Precision tweezers 2A



flat, precise and round tips, Swiss-made

**dpvlink 12090**

Article	Type	L [mm]
I-2A.SA	Precision tweezers 2A.SA	120



## Precision tweezers 2AB



like 2A, with bent tips, Swiss-made

**dpvlink 12118**

Article	Type	L [mm]
I-2AB.SA	Precision tweezers 2AB.SA	120



## Precision tweezers 2AR



flat, rounded and fine tips, Swiss-made

**dpvlink 11418**

Article	Type	L [mm]
I-2AR.SA	Precision tweezers 2AR.SA	120



## Precision tweezers 3



very sharp, fine tips, Swiss-made

**dpvlink 11700**

Article	Type	L [mm]
I-3.SA	Precision tweezers 3.SA	120



## Precision tweezers 3C



as 3, short, Swiss-made

**dpvlink 11704**

Article	Type	L [mm]
I-3C.SA	Precision tweezers 3C.SA	110



## Precision tweezers 4



extra fine tips, Swiss-made

**dpvlink 11710**

Article	Type	L [mm]
I-4.SA	Precision tweezers 4.SA	110
I-4.S	Precision tweezers 4.S	110



## Precision tweezers 4A



as 4, but sturdier, Swiss-made

**dpvlink 12128**

Article	Type	L [mm]
I-4A.SA	Precision tweezers 4A.SA	110



## Precision tweezers 5



extra fine tips, high-quality version, Swiss-made

**dpvlink 11718**

Article	Type	L [mm]
I-5.SA	Precision tweezers 5.SA	110
I-5.S	Precision tweezers 5.S	110



## Precision tweezers 5A



extra fine tips, high-quality version, Swiss-made

**dpvlink 11726**

Article	Type	L [mm]
I-5A.SA	Precision tweezers 5A.SA	115



## Precision tweezers 5B



as 5, bent tips, Swiss-made

**dpvlink 12136**

Article	Type	L [mm]
I-5B.SA	Precision tweezers 5B.SA	110



## Precision tweezers 6



fine tips, flat angled; Swiss-made

**dpvlink 11734**

Article	Type	L [mm]
I-6.SA	Precision tweezers 6.SA	115



# Precision tweezers

## Precision tweezers 7



very fine tips, bent, Swiss-made.

[dpvlink 11742](#)



Article	Type	L [mm]
I-7.SA	Precision tweezers 7.SA	115

## Precision tweezers 7A



as 7, sturdy, Swiss-made

[dpvlink 12154](#)



Article	Type	L [mm]
I-7A.SA	Precision tweezers 7A.SA	115

## Precision tweezers 7B



as 7, with serrated tips, Swiss-made

[dpvlink 12158](#)



Article	Type	L [mm]
I-7B.SA	Precision tweezers 7B.SA	115

## Precision tweezers 10G



fine serrated tips and handles, Swiss-made

[dpvlink 11444](#)



Article	Type	L [mm]
I-10G.SA	Precision tweezers 10G.SA	110

## Precision tweezers 51S



as 5A, bent tips for maximum visibility, Swiss-made

[dpvlink 11458](#)



Article	Type	L [mm]
I-51S.SA	Precision tweezers 51S.SA	115

## Precision tweezers AM



brass precision tweezers, anti-sparking, Swiss-made

[dpvlink 11682](#)



Article	Type	L [mm]
I-AM.BR	Precision tweezers AM.BR	125

## Precision tweezers F



as 2A, flat and angular tips, Swiss-made

[dpvlink 11764](#)



Article	Type	L [mm]
I-F.SA	Precision tweezers F.SA	120

## Precision tweezers set K5HP



Content: 00, 2A, 3C, 5, 7  
high quality with hard foam insert, Swiss-made

[dpvlink 11766](#)



Article	Ausführung
I-K5HP.SA	Precision tweezers set K5HP.SA

## Carbofib soft tweezers

The soft plastic tips facilitate the handling of sensitive components. *ideal-tek* has the world's largest range of precision tweezers with plastic tips and more than 20 years of experience in the application of high-tech plastics for precision tools.

Code letter	Material	Properties
<b>Material of handle</b>		
SA	stainless steel	<ul style="list-style-type: none"> <li>· stainless</li> <li>· antimagnetic</li> <li>· resistant to most acids and vapors</li> <li>· medium hardness</li> </ul>
<b>Material of tips</b>		
CF	<i>Tips:</i> conductive carbon fiber reinforced Carbofib <i>Handles:</i> stainless steel	<ul style="list-style-type: none"> <li>· ESD safe, conductive</li> <li>· chemical resistance</li> <li>· gentle on surfaces</li> <li>· strong and durable</li> <li>· surface resistance 10<sup>2</sup> ohm</li> <li>· temperature-resistant up to 190°C</li> <li>· continuous use temperature 130°C</li> </ul>

## Carbofib soft tweezers 251.SA



[dpvlink 11526](#)



Article	Type	L [mm]
I-251.SA	Carbofib soft tweezers 251.SA	110

## Carbofib soft tweezers 252.SA



Swiss-made

[dpvlink 11696](#)



Article	Type	L [mm]
I-252.SA	Carbofib soft tweezers 252.SA	110

## High-precision tweezers

Handcrafted high-precision tweezers for a perfect symmetry and balance with polished edges and glare-free satin finish. All high-precision tweezers are available in different materials.

Antimagnetic, acid-resistant steel (SA), INOX steel (S), nickel-chrome-molybdenum steel (NC), titanium (TI), bronze (BR)

Surface coating of epoxy (EP only handles), ESD epoxy (NE only handles), teflon (TE whole tweezers)

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

## High-precision reverse-action tweezers 5AX.SA



dpvlink 11594

Article	Type	L [mm]
I-5AX.SA	High-precision reverse-action tweezers 5AX.SA	115



## High-precision tweezers M-3



sharp, fine tips, Swiss-made

dpvlink 11670

Article	Type	L [mm]
I-M-3.SA	High-precision tweezers M-3.SA	70



## High-precision tweezers M-4



very fine tips, Swiss-made

dpvlink 12046

Article	Type	L [mm]
I-M-4.SA	High-precision tweezers M-4.SA	80



## Thin precision tweezers

Extra long and slender precision tweezers for various applications.

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

## Thin precision tweezers, 65A



very fine, angled tips, Swiss-made

dpvlink 11738

Article	Type	L [mm]
I-65A.SA	Thin precision tweezers, 65A.SA	140



## Thin precision tweezers, SS



extra fine tips, Swiss-made

dpvlink 11776

Article	Type	L [mm]
I-SS.SA	Thin precision tweezers, SS.SA	140



## ESD Precision tweezers

Handcrafted precision tweezers for a perfect symmetry and balance with antistatic coating.

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

## Universal tweezers AA ESD



straight, fine tips, antistatic coating, Swiss-made

dpvlink 16148

Article	Type	L [mm]
I-AA.SA.ESD	ESD universal tweezers AA.SA.ESD	130



## Precision tweezers 00 ESD



sturdy, flat, thick tips, antistatic coating, Swiss-made

dpvlink 16149

Article	Type	L [mm]
I-00.SA.ESD	ESD Precision tweezers 00.SA.ESD	120



## Precision tweezers 1 ESD



sturdy, fine and straight tips, antistatic coating, Swiss-made

dpvlink 16150

Article	Type	L [mm]
I-1.SA.ESD	ESD Precision tweezers 1.SA.ESD	120



## Precision tweezers 2 ESD



flat, sharp and fine tips, antistatic coating, Swiss-made

dpvlink 16151

Article	Type	L [mm]
I-2.SA.ESD	Precision tweezers 2.SA.ESD	120



# Precision tweezers

## Precision tweezers 2A ESD



flat, precise and rounded tips, antistatic coating, Swiss-made

**dpvlink 16152**

Article	Type	L [mm]
I-2A.SA.ESD	ESD Precision tweezers 2A.SA.ESD	120



## Precision tweezers 3 ESD



very sharp, fine tips, antistatic coating, Swiss-made

**dpvlink 16153**

Article	Type	L [mm]
I-3.SA.ESD	ESD Precision tweezers 3.SA.ESD	120



## Precision tweezers 3C ESD



very sharp, fine tips, antistatic coating, short, Swiss-made

**dpvlink 16154**

Article	Type	L [mm]
I-3C.SA.ESD	ESD Precision tweezers 3C.SA.ESD	110



## Precision tweezers 4 ESD



extra fine tips, antistatic coating, Swiss-made

**dpvlink 16155**

Article	Type	L [mm]
I-4.SA.ESD	ESD Precision tweezers 4.SA.ESD	110



## Precision tweezers 5 ESD



extra fine tips, antistatic coating, Swiss-made

**dpvlink 16156**

Article	Type	L [mm]
I-5.SA.ESD	ESD Precision tweezers 5.SA.ESD	110



## Precision tweezers 5A ESD



extra fine tips, antistatic coating, Swiss-made

**dpvlink 16157**

Article	Type	L [mm]
I-5A.SA.ESD	ESD Precision tweezers 5A.SA.ESD	115



## Precision tweezers 7 ESD



very fine tips, bent, antistatic coating, Swiss-made

**dpvlink 16158**

Article	Type	L [mm]
I-7.SA.ESD	ESD Precision tweezers 7.SA.ESD	115



## Thin precision tweezers 65A ESD



very fine, angled tips, antistatic coating, Swiss-made

**dpvlink 16159**

Article	Type	L [mm]
I-65A.SA.ESD	Thin ESD Precision tweezers 65A.SA.ESD	140



## Ergonomic precision tweezers

Antimagnetic precision tweezers with ergonomic, antistatic (ESD) handle for a comfortable working. (DR) blue conductive nitrile rubber, (DN) black conductive PVC foam

Code	Material	Properties
<b>Material of handle</b>		
DN	PVC foam	<ul style="list-style-type: none"> <li>· very soft and elastic</li> <li>· abrasion-resistant</li> <li>· tear-resistant</li> <li>· good chemical resistance</li> <li>· ESD safe, dissipative</li> <li>· In compliance with the ESD standard DIN EN 61340-5-1</li> </ul>
DR	Nitrile	<ul style="list-style-type: none"> <li>· very soft and elastic</li> <li>· high chemical resistance</li> <li>· ESD safe, dissipative</li> <li>· In compliance with ESD standard DIN EN 61340-5-1</li> </ul>
<b>Material of tips</b>		
SA	stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

## Ergonomic tweezers 00.SA.DR /.DN



ESD, dissipative, thick, flat tips, with ergonomic handles, Swiss-made

**dpvlink 12475**

Article	Type	L [mm]
I-00.SA.DN	Ergonomic precision tweezers 00.SA.DN	120
I-00.SA.DR	Ergonomic precision tweezers 00.SA.DR	120



## Ergonomic tweezers 2A.SA.DR/.DN



ESD, dissipative, flat, precise and rounded tips, ergonomic handles, Swiss-made

**dpvlink 12477**

Article	Type	L [mm]
I-2A.SA.DN	Ergonomic precision tweezers 2A.SA.DN	120
I-2A.SA.DR	Ergonomic precision tweezers 2A.SA.DR	120



## Ergonomic tweezers 3.SA.DR /.DN



ESD, dissipative, very sharp tips, high-quality version, with ergonomic handles, Swiss-made

**dpvlink 12479**

Article	Type	L [mm]
I-3.SA.DR	Ergonomic precision tweezers 3.SA.DR	120
I-3.SA.DN	Ergonomic precision tweezers 3.SA.DN	120



## Ergonomic tweezers 3C.SA.DR/.DN



ESD, dissipative, very sharp tips, high-quality version, with ergonomic handles, Swiss-made

**dpvlink 12481** 

Article	Type	L [mm]
I-3C.SA.DR	Ergonomic precision tweezers 3C.SA.DR	110
I-3C.SA.DN	Ergonomic precision tweezers 3C.SA.DN	110

## Ergonomic tweezers 5.SA.DR/.DN



ESD, dissipative, extra fine tips, with ergonomic handles, Swiss-made

**dpvlink 12483** 

Article	Type	L [mm]
I-5.SA.DR	Ergonomic precision tweezers 5.SA.DR	115
I-5.SA.DN	Ergonomic precision tweezers 5.SA.DN	115

## Ergonomic tweezers 7.SA.DR/.DN



ESD, dissipative, fine, bent tips, with ergonomic handles, Swiss-made

**dpvlink 12485** 

Article	Type	L [mm]
I-7.SA.DR	Ergonomic precision tweezers 7.SA.DR	115
I-7.SA.DN	Ergonomic precision tweezers 7.SA.DN	115

## Ergonomic cutting tweezers 15AGW.C.DN



ESD, dissipative, with ergonomic handles, Swiss-made

**dpvlink 12487** 

Article	Type	L [mm]
I-15AGW.C.DN	Ergonomic cutting tweezers 15AGW.C.DN	120

## Ergonomic tweezers AA.SA.DR /.DN



ESD, dissipative, precision tips, with ergonomic handles, Swiss-made

**dpvlink 12489** 

Article	Type	L [mm]
I-AA.SA.DN	Ergonomic precision tweezers AA.SA.DN	130

## SMD tweezers ESD

SMD tweezers facilitate a simple handling of the smallest SMD components. Various tip shapes and angles are available for the different component types and applications. The ergonomic shape allows a comfortable working.

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

## SMD tweezers SM103.SA ESD



for gripping and positioning components in the SOT case, bent by 45°, antistatic coating, Swiss-made

**dpvlink 16161** 

Article	Type	L [mm]
I-SM103.SA.ESD	SMD tweezers SM103.SA.ESD	115

## SMD tweezers SM104.SA ESD



for a lateral gripping and positioning of components in the SOT case, antistatic coating, Swiss-made

**dpvlink 16162** 

Article	Type	L [mm]
I-SM104.SA.ESD	SMD tweezers SM104.SA.ESD	120

## SMD tweezers SM108.SA ESD



for positioning and soldering 1 mm wide components, tips with recess for a safe hold, antistatic coating, Swiss-made

**dpvlink 16163** 

Article	Type	L [mm]
I-SM108.SA.ESD	SMD tweezers SM108.SA.ESD	120

## Precision cutting tweezers

Precision cutting tweezers with hardened tips, suitable for a precise cutting of thin wires and components.

Code	Material	Properties
S	Tool steel, hardened	<ul style="list-style-type: none"> <li>· stainless</li> <li>· fine tips available</li> <li>· good hardness values</li> <li>· magnetizable</li> </ul>
C	Carbon steel	<ul style="list-style-type: none"> <li>· very long service life</li> <li>· very sturdy</li> <li>· optimum hardness</li> <li>· resistant</li> <li>· highly magnetic</li> <li>· sensitive to corrosion (Protection only by nickel plating)</li> </ul>

### Cutting tweezers 152.S



Precision miniature cutting tweezers, cutting surface, Swiss-made

**dpvlink 11804**

Article	Type	L [mm]
I-152.S	Cutting tweezers 152.S	98



### Cutting tweezers 15A.C



for soft copper, gold, silver or magnetic wires, Swiss-made

**dpvlink 11446**

Article	Type	L [mm]
I-15A.C	Cutting tweezers 15A.(C)	120



### Cutting tweezers 15AGW.C



for soft copper, gold, silver or magnetic wires, Swiss-made

**dpvlink 11628**

Article	Type	L [mm]
I-15AGW.C	Cutting tweezers 15AGW.C	120



## Reverse-action tweezers

Reverse-action tweezers facilitates the comfortable handling of electronic components, in particular in soldering. Straight or bent versions (suffix B), in different lengths. Available in stainless, acid-resistant, antimagnetic steel (SA) or nickel-plated (NP).

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

### Reverse-action tweezers 29.SA



Desoldering tweezers, strongly blunted, serrated handles, Swiss-made

**dpvlink 11848**

Article	Type	L [mm]
I-29.SA	Reverse-action tweezers 29.SA	165



## SMD tweezers

SMD tweezers facilitate a simple handling of very small SMD components. Different tip shapes and angles are available for various component types and applications. The glare-free satined surface and the ergonomic design allow a comfortable work.

Special versions are available on request. The models can also be delivered as reverse-action tweezers.

Code	Material	Properties
SA	Stainless steel	<ul style="list-style-type: none"> <li>· largely stainless</li> <li>· non-magnetizable (80%)</li> <li>· resistant against most acids and vapors</li> <li>· medium hardness</li> </ul>

### SMD reverse-action tweezers SM100.SA



self-clamping, for the processing of PCBs with SMDs, Swiss-made

**dpvlink 11462**

Article	Type	L [mm]
I-SM100.SA	SMD reverse-action tweezers SM100.SA	115



### SMD tweezers SM103.SA



for gripping and positioning components in the SOT case, bent by 45°, Swiss-made

**dpvlink 11468**

Article	Type	L [mm]
I-SM103.SA	SMD tweezers SM103.SA	115



## SMD tweezers SM107.SA



for positioning all flat components, angled by 60°, Swiss-made

[dpvlink 11476](#)

Article	Type	L [mm]
I-SM107.SA	SMD tweezers SM107.SA	120



## SMD tweezers SM110.SA



for positioning monolithic chip capacitors, tips with recesses, Swiss-made

[dpvlink 11482](#)

Article	Type	L [mm]
I-SM110.SA	SMD tweezers SM110.SA	120



## SMD tweezers SM111.SA



for positioning 5 mm monolithic chip capacitors, tips with flat base recess. Swiss-made

[dpvlink 11484](#)

Article	Type	L [mm]
I-SM111.SA	SMD tweezers SM111.SA	120



## SMD tweezers SM115.SA



tips with recesses, angled by 30°, for holding and positioning cylindrical components, Swiss-made

[dpvlink 11492](#)

Article	Type	L [mm]
I-SM115.SA	SMD tweezers SM115.SA	120



## SMD tweezers SM116.SA



straight tips with recesses, for a vertical positioning of cylindrical components, Swiss-made

[dpvlink 11494](#)

Article	Type	L [mm]
I-SM116.SA	SMD tweezers SM116.SA	120



## SMD tweezers SM117.SA



for positioning components in the SOT case, Swiss-made

[dpvlink 11496](#)

Article	Type	L [mm]
I-SM117.SA	SMD tweezers SM117.SA	120



## Erem Precision tweezers

**Erem** Erem tweezers are high precision tools of constantly high quality. Precisely manufactured symmetrical tips combined with a free movement and a perfect balance turn it into an excellent tool.

The most common types are available in an inexpensive version (SL). The type number is not only printed on, but stamped in all Erem tweezers.

### Precision tweezers AASA

**Erem**

Professional tweezers with fine, but very sturdy tips



[dpvlink 1431](#)

Article	Type	L [mm]
AASA	Precision tweezers	125
AASA-SL	Precision tweezers, standard	125



### Precision tweezers ACSA

**Erem**

Special stainless steel, non-magnetic, with serrated finger grips



[dpvlink 11230](#)

Article	Type	L [mm]
ACSA	Precision tweezers	108



### Precision tweezers OOSA

**Erem**

Professional tweezers, flat inside of the tips, for general working and equipping



[dpvlink 1434](#)

Article	Type	L [mm]
OOSA	Precision tweezers	120
OOSA-SL	Precision tweezers, standard	120



### Precision tweezers OODSA

**Erem**

Precision tweezers with serrated finger grips and inside-serrated tips, special stainless steel, non-magnetic



[dpvlink 11232](#)

Article	Type	L [mm]
OODSA	Precision tweezers	120



## Precision tweezers 2SA

Erem®



Professional tweezers with medium-fine tips, inexpensive standard version

[dpvlink 1326](#)



Article	Type	L [mm]
2SA	Precision tweezers	115
2SA-SL	Precision tweezers, standard	115

## Precision tweezers 2SASA

Erem®



Professional tweezers, flat, rounded tips

[dpvlink 1342](#)



Article	Type	L [mm]
2ASA	Precision tweezers	120
2ASA-SL	Precision tweezers, standard	120

## Precision tweezers 3CSA

Erem®



Professional tweezers for the microelectronics

[dpvlink 1351](#)



Article	Type	L [mm]
3CSA	Precision tweezers	110
3CSA-SL	Precision tweezers, standard	110

## Precision tweezers 5SA

Erem®



Professional tweezers with very fine tips, for the handling of fine wires and miniature parts

[dpvlink 1358](#)



Article	Type	L [mm]
5SA	Precision tweezers	110
5SA-SL	Precision tweezers, standard	110

## Precision tweezers 7SA

Professional tweezers with bent, fine tips, recessed. Good handling in the smallest spaces.



[dpvlink 6895](#)



Article	Type	L [mm]
7SA	Precision tweezers	120
7SA-SL	Precision tweezers, standard	120

## Precision tweezers 5ASA

Erem®



Professional tweezers with very fine tips, for the handling of fine wires and chip components

[dpvlink 1361](#)



Article	Type	L [mm]
5ASA	Precision tweezers	115
5ASA-SL	Precision tweezers, standard	115

## Precision tweezers 5CSA

Erem®



Tweezers with bent tips for a better visibility under the microscope, angle 30°

[dpvlink 1370](#)



Article	Type	L [mm]
5CSA	Precision tweezers 5CSA	115

## Precision tweezers 51SA

Erem®



Professional tweezers with very fine tips, angled by 30°

[dpvlink 1367](#)



Article	Type	L [mm]
51SA	Precision tweezers	115
51SA-SL	Precision tweezers, standard	115

## Precision tweezers 249CER

Erem®



Ceramic tips, heat-resistant up to 900°C, nonmagnetic, insulator

[dpvlink 11228](#)



Article	Type	L [mm]
249CER	Precision tweezers	130

## SMD tweezers 102ACA

Erem®



For a perfect handling of chips or miniature components, no fatigue due to a bent head, for equipping SMD PCBs or ceramic substrates, blunt edges

[dpvlink 4753](#)



Article	Type	L [mm]
102ACA	SMD tweezers	115

## SMD tweezers 102ACAX

Erem®



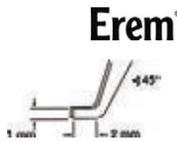
With reverse clamping action for a perfect handling of chips or miniature components, no fatigue due to a bent head, for equipping SMD PCBs or ceramic substrates, blunt edges

[dpvlink 7690](#)



Article	Type	L [mm]
102ACAX	SMD tweezers	115

## SMD tweezers 103ACA



Erem®

For a perfect handling of chips or miniature components, no fatigue due to a bent head, for equipping SMD PCBs or ceramic substrates, blunt edges, bent tips

[dpvlink 4756](#)

Article	Type	L [mm]
103ACA	SMD tweezers	115



## SMD tweezers 150SAD



SMD tweezers with round tips Ø 1.5 - 3 mm

Erem®

[dpvlink 7692](#)

Article	Type	L [mm]
150SAD	SMD tweezers	120



## SMD tweezers 150SA



SMD tweezers with round tips Ø 1.5 - 3 mm

Erem®

[dpvlink 7694](#)

Article	Type	L [mm]
150SA	SMD tweezers	120



## SMD tweezers 151SA



SMD tweezers with round tips Ø 3-6 mm

Erem®

[dpvlink 7696](#)

Article	Type	L [mm]
151SA	SMD tweezers	120



## SMD tweezers 32BSA



For cylindrical miniature components Ø 5 mm, angled by 45°

Erem®

[dpvlink 7698](#)

Article	Type	L [mm]
32BSA	SMD tweezers	115



## SMD tweezers 32BSA20



For cylindrical miniature components, with round tips Ø 2 or 2.5 mm, angled by 45°

Erem®

[dpvlink 7700](#)

Article	Type	L [mm]
32BSA20	SMD tweezers, tips Ø 2.0 mm	115
32BSA25	SMD tweezers, Ø 2.5 mm	115



## SMD tweezers 150SAMB



For very small cylindrical components Ø 1.2 - 2.5 mm, angled by 40°

Erem®

[dpvlink 4758](#)

Article	Type	L [mm]
150SAMB	SMD tweezers	115



## SMD tweezers 150SAMF



For cylindrical miniature components Ø 1.2 - 2.5 mm

Erem®

[dpvlink 4761](#)

Article	Type	L [mm]
150SAMF	SMD tweezers	115



## High-precision gripping tweezers 39SA



Tweezers to hold wires and round, cylindrical components, round tips with Ø 0.3 or 0.4 mm

Erem®

[dpvlink 4512](#)

Article	Type	L [mm]
39SA	High-precision gripping tweezers, tips Ø 0.3 mm	110
40SA	High-precision gripping tweezers, tips Ø 0.4 mm	110



## Cutting tweezers 15AGW



Tweezers with oblique head, long-lasting, for soft wires up to Ø 0.25 mm

Erem®

[dpvlink 4531](#)

Article	Type	L [mm]
15AGW	Cutting tweezers	115



## Precision tweezers 249SA



Synthetic tips (PPS), heat-resistant up to 250°C, resistant to acids and molten solder (several seconds), water-repellent, ESD safe, outside serrated

Erem®

[dpvlink 1372](#)

Article	Type	L [mm]
249SA	Precision tweezers	120



## Precision tweezers 258SA



as version 249 SA, but fine, synthetic tips (PPS), heat-resistant up to 250°C

Erem®

[dpvlink 1429](#)

Article	Type	L [mm]
258SA	Precision tweezers	120



## Ergonomic precision tweezers E00SA Erem®



Professional tweezers, flat inside of the tips and ergonomic handles, for general working and equipping. ESD safe.

**dpvlink 7647**

Article	Type	L [mm]
E00SA	Ergonomic precision tweezers E00SA	120

## Ergonomic precision tweezers E00DSA Erem®



Professional tweezers with serrated inside of the tips and ergonomic handles, for general working and equipping. ESD safe.

**dpvlink 9706**

Article	Type	L [mm]
E00DSA	Ergonomic precision tweezers E00DSA	120

## Ergonomic precision tweezers E5SA Erem®



Professional tweezers with very fine tips and ergonomic handles, for handling fine wires and miniature components. ESD safe.

**dpvlink 7643**

Article	Type	L [mm]
E5SA	Ergonomic precision tweezers E5SA	120

## Ergonomic precision tweezers E2ASA Erem®



Professional tweezers, flat, rounded tips and ergonomic handles. ESD safe.

**dpvlink 7651**

Article	Type	L [mm]
E2ASA	Ergonomic precision tweezers E2ASA	120

## Ergonomic precision tweezers E7SA Erem®



Professional tweezers with bent, fine, recessed tips and ergonomic handles. Good handling in the smallest spaces. ESD safe.

**dpvlink 7649**

Article	Type	L [mm]
E7SA	Ergonomic precision tweezers E7SA	120

## Ergonomic precision tweezers E3CSA Erem®



Professional tweezers with ergonomic handles for the microelectronics. ESD safe.

**dpvlink 7645**

Article	Type	L [mm]
E3CSA	Ergonomic precision tweezers E3CSA	120

## Ergonomic cutting tweezers E15AGW Erem®



Professional cutting tweezers with ergonomic handles for micro-electronics. ESD safe

**dpvlink 9708**

Article	Type	L [mm]
E15AGW	Ergonomic cutting tweezers E15AGW	120

## Kit for SMD works Erem®



6-piece set in a black plastic case with foam insert.

**Consisting of:**

- Precision tweezers 51SA
- SMD tweezers 102ACA
- SMD tweezers 103ACA
- SMD tweezers 150SAMB
- SMD tweezers 150SAMF
- Diagonal cutting pliers 670EP

**dpvlink 6978**

Article	Ausführung
3900KC	Kit for SMD works

## Erem Tweezers Prime Selection Erem®



consisting of:

- precision tweezers 3SA
- precision tweezers 2ASA
- precision tweezers 7SA

**dpvlink 10768**

Article	Ausführung
3300TPS	Erem Tweezers Prime Selection

## Erem SMD tweezers - Universal Erem®



consisting of:

- SMD precision tweezers 103ACA
- SMD precision tweezers 150SAMF
- SMD precision tweezers 102ACAX
- precision tweezers 7SASMD

**dpvlink 10770**

Article	Ausführung
3400TSMU	Erem tweezers - Universal

## Erem Premium tweezers Erem®



consisting of:

- precision tweezers 3SA
- precision tweezers 2ASA
- precision tweezers 7SA
- SMD precision tweezers 102ACA
- cutting tweezers 15AGW

**dpvlink 10771**

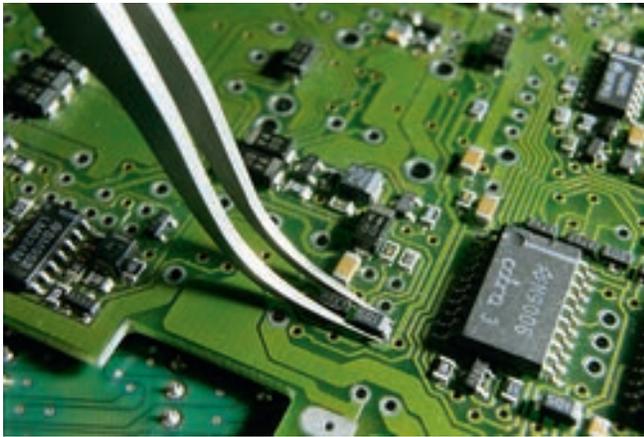
Article	Ausführung
3500TP	Erem Premium tweezers

Piergiacomini



## PIERGIACOMINI ESD tweezers - quality in any type

- dissipative due to ESD coating
- many tweezers in different materials
- large product range allows you to find the right tweezers for your application



### ESD tweezers 0 SA



with fine tips. With ESD coating

dpvlink 17613			
Article	Type	L [mm]	QR
P-0SA.ESD	Tweezers 0 SA	120	

### ESD tweezers 00 SA



with flat, large tips for universal applications. With ESD coating

dpvlink 17615			
Article	Type	L [mm]	QR
P-00SA.ESD	Tweezers 00 SA	120	

### ESD tweezers 00D SA



with flat, large tips for universal applications. Handles outside and tips inside serrated. With ESD coating.

dpvlink 17617			
Article	Type	L [mm]	QR
P-00DSA.ESD	Tweezers 00D SA	120	

### ESD tweezers 2A SA



with rounded, flat tips for general applications. With ESD coating.

dpvlink 17619			
Article	Type	L [mm]	QR
P-2ASA.ESD	Tweezers 2A SA	120	

### ESD tweezers AA SA



with strong gripping effect. With ESD coating.

dpvlink 17621			
Article	Type	L [mm]	QR
P-AASA.ESD	Tweezers AA SA	130	

### ESD tweezers 1 SA



with robust, thin tips for general applications. With ESD coating.

dpvlink 17623			
Article	Type	L [mm]	QR
P-1SA.ESD	Tweezers 1 SA	120	

### ESD tweezers 2 SA



with sharp, robust tips for general applications. With ESD coating.

dpvlink 17625			
Article	Type	L [mm]	QR
P-2SA.ESD	Tweezers 2 SA	120	

### ESD tweezers 3 SA



with sharp, thin tips for applications in microelectronics. With ESD coating.

dpvlink 17627			
Article	Type	L [mm]	QR
P-3SA.ESD	Tweezers 3 SA	120	

### ESD tweezers 3C SA



with sharp, thin tips for applications in microelectronics, short version. With ESD coating.

dpvlink 17629			
Article	Type	L [mm]	QR
P-3CSA.ESD	Tweezers 3C SA	110	

### ESD tweezers 7 SA



with very fine, angled tips for an easier gripping in working areas that are difficult to reach. With ESD coating.

dpvlink 17633			
Article	Type	L [mm]	QR
P-7SA.ESD	Tweezers type 7 SA	120	

### ESD tweezers 7A SA



with very fine, flat and angled tips for an easier gripping in working areas that are difficult to reach. With ESD coating

dpvlink 17635			
Article	Type	L [mm]	QR
P-7ASA.ESD	Tweezers 7A SA	120	

### Tweezers 0 SA



with fine tips

dpvlink 1776			
Article	Type	L [mm]	QR
P-0SA	Tweezers 0 SA	120	

### Tweezers 00 SA



with flat, large tips for universal applications.

dpvlink 1772			
Article	Type	L [mm]	QR
P-00SA	Tweezers 00 SA	120	

## Tweezers 00B SA

outside serrated, with flat, large tips for universal applications.



dpvlink 7766			
Article	Type	L [mm]	QR
P-00BSA	Tweezers 00B SA	120	

## Tweezers 00C SA

with flat, large tips for universal applications, short handles



dpvlink 7768			
Article	Type	L [mm]	QR
P-00CSA	Tweezers 00C SA	105	

## Tweezers 00D SA

flat, large tips for universal applications. Handles outside and tips inside serrated



dpvlink 7770			
Article	Type	L [mm]	QR
P-00DSA	Tweezers 00D SA	120	

## Tweezers 0A SA

with very fine tips for watch repairs.



dpvlink 7774			
Article	Type	L [mm]	QR
P-0ASA	Tweezers 0A SA	120	

## Tweezers 1 SA

with sturdy, thin tips for general applications.



dpvlink 7806			
Article	Type	L [mm]	QR
P-1SA	Tweezers 1 SA	120	

## Tweezers 2 SA

with sharp, sturdy tips for general applications.



dpvlink 7818			
Article	Type	L [mm]	QR
P-2SA	Tweezers 2 SA	120	

## Tweezers 2A SA

with rounded, flat tips for general applications.



dpvlink 7816			
Article	Type	L [mm]	QR
P-2ASA	Tweezers 2A SA	120	

## Tweezers 2AB SA

with rounded, flat and bent tips for universal applications.



dpvlink 7814			
Article	Type	L [mm]	QR
P-2ABSA	Tweezers 2AB SA	120	

## Tweezers 3 SA

with sharp, thin tips for applications in the microelectronics.



dpvlink 7826			
Article	Type	L [mm]	QR
P-3SA	Tweezers 3 SA	120	

## Tweezers 3C SA

with sharp, thin tips for applications in the microelectronics, short version



dpvlink 7824			
Article	Type	L [mm]	QR
P-3CSA	Tweezers 3C SA	110	

## Tweezers 4 SA

with very fine, sharp tips.



dpvlink 7830			
Article	Type	L [mm]	QR
P-4SA	Tweezers 4 SA	110	

## Tweezers 4A SA

with sharp, sturdy tips



dpvlink 7828			
Article	Type	L [mm]	QR
P-4ASA	Tweezers 4A SA	110	

## Tweezers 5 SA

very fine, sharp tips for SMD applications.



dpvlink 7840			
Article	Type	L [mm]	QR
P-5SA	Tweezers 5 SA	110	

## Tweezers 5A SA

with very fine, sharp and beveled tips.



dpvlink 7834			
Article	Type	L [mm]	QR
P-5ASA	Tweezers 5A SA	120	

## Tweezers 5B SA

with very fine, sharp tips for SMD applications. Angled by 40° for a better visibility of the working area.



dpvlink 7836			
Article	Type	L [mm]	QR
P-5BSA	Tweezers 5B SA	110	

## Tweezers 5C SA

with sharp, robust tips for SMD applications.



dpvlink 7838			QR
Article	Type	L [mm]	
P-5CSA	Tweezers 5C SA	100	

## Tweezers 7 SA

with very fine, angled tips for an easier gripping in working areas that are difficult to reach.



dpvlink 7850			QR
Article	Type	L [mm]	
P-7SA	Tweezer type 7 SA	120	

## Tweezers 7A SA

with very fine, angled, robust tips for an easier gripping in working areas that are difficult to reach



dpvlink 7844			QR
Article	Type	L [mm]	
P-7ASA	Tweezers 7A SA	120	

## Tweezers 7B SA

with very fine, angled tips for an easier gripping in working areas that are difficult to reach. Tips inside serrated.



dpvlink 7846			QR
Article	Type	L [mm]	
P-7BSA	Tweezers 7B SA	120	

## Tweezers 7E SA

with very fine, flat and angled tips for an easier gripping in working areas that are difficult to reach.



dpvlink 7848			QR
Article	Type	L [mm]	
P-7ESA	Tweezers 7E SA	120	

## Tweezers 13S SA

with sturdy, flat, serrated tips.



dpvlink 7798			QR
Article	Type	L [mm]	
P-13SSA	Tweezers 13S SA	120	

## Tweezers 19 SA

for SMD applications, serrated tips and handles.



dpvlink 7804			QR
Article	Type	L [mm]	
P-19SA	Tweezers 19 SA	160	

## Tweezers 26 SA

with very sturdy and flat tips



dpvlink 7810			QR
Article	Type	L [mm]	
P-26SA	Tweezers 26 SA	135	

## Tweezers 27 SA

very sturdy, flat and thin tips.



dpvlink 7812			QR
Article	Type	L [mm]	
P-27SA	Tweezers 27 SA	135	

## Tweezers 35A SA

for the processing of flat components such as wafers and capacitors.



dpvlink 7820			QR
Article	Type	L [mm]	
P-35ASA	Tweezers 35A SA	120	

## Tweezers 65A SA

with long, thin handles and very fine tips angled by 40° for gripping conventional microchips and micro components.



dpvlink 7842			QR
Article	Type	L [mm]	
P-65ASA	Tweezers 65A SA	135	

## Tweezers 150 / 1.5 SA

for the insertion and extraction of micro components. Tip diameter: 1.5 mm



dpvlink 7800			QR
Article	Type	L [mm]	
P-150/1.5SA	Tweezers 150 / 1.5 SA	120	

## Tweezers 151 SA

for the insertion and extraction of micro components. Tip diameter: 3.0 mm



dpvlink 7802			QR
Article	Type	L [mm]	
P-151SA	Tweezers 151 SA	125	

## Tweezers 231 SA

with inside serrated tips for general applications.



dpvlink 7808			QR
Article	Type	L [mm]	
P-231SA	Tweezers 231 SA	120	

## Tweezers A SA

sturdy, precise tips for angled wires and components.



dpvlink 7856			QR
Article	Type	L [mm]	
P-ASA	Tweezers A SA	115	

## Tweezers AA SA

with strong gripping effect.



dpvlink 7852				QR
Article	Type	L [mm]		
P-AASA	Tweezers AA SA	130		



## Tweezers AC SA

with sturdy tips and serrated handles for a safe grip.



dpvlink 7854				QR
Article	Type	L [mm]		
P-ACSA	Tweezers AC SA	110		



## Placement tweezers 578 SA

for the processing and assembly of cylindrical parts of up to  $\varnothing 2$  mm.



dpvlink 7832				QR
Article	Type	L [mm]		
P-578SA	Placement tweezers 578 SA	120		



## SMD tweezers 38 SA

with recesses at the tips for the processing of wires or small parts of up to  $\varnothing 1$  mm.



dpvlink 7822				QR
Article	Type	L [mm]		
P-38SA	SMD tweezers 38 SA	120		



## SMD tweezers 102 SA

for the processing of chips and SMD components; angled tips for fatigue-free working.



dpvlink 7778				QR
Article	Type	L [mm]		
P-102SA	SMD tweezers 102 SA	120		



## SMD tweezers 103 SA

for processing chips and SMD components; angled tips for fatigue-free working.



dpvlink 7780				QR
Article	Type	L [mm]		
P-103SA	SMD tweezers 103 SA	120		



## SMD tweezers 104 SA

for the processing of SMD components.



dpvlink 7782				QR
Article	Type	L [mm]		
P-104SA	SMD tweezers 104 SA	120		



## SMD tweezers 105 SA

with angled tips for the processing of SMD components.



dpvlink 7784				QR
Article	Type	L [mm]		
P-105SA	SMD tweezers 105 SA	120		



## SMD tweezers 106 SA

for the processing of SMD components.



dpvlink 7786				QR
Article	Type	L [mm]		
P-106SA	SMD tweezers 106 SA	120		



## SMD tweezers 107 SA

with recesses on the tips for the processing of SMD components of up to  $\varnothing 0.75$  mm.



dpvlink 7788				QR
Article	Type	L [mm]		
P-107SA	SMD tweezers 107 SA	120		



## SMD tweezers 108 SA

for the processing of SMD components.



dpvlink 7790				QR
Article	Type	L [mm]		
P-108SA	SMD tweezers 108 SA	120		



## SMD tweezers 109 SA

for the processing of SMD components.



dpvlink 7792				QR
Article	Type	L [mm]		
P-109SA	SMD tweezers 109 SA	120		



## SMD tweezers 110 SA

for the processing of SMD components.



dpvlink 7794				QR
Article	Type	L [mm]		
P-110SA	SMD tweezers 110 SA	120		



## SMD tweezers 111 SA

for the processing of SMD components.



dpvlink 7796				QR
Article	Type	L [mm]		
P-111SA	SMD tweezers 111 SA	120		



## ESD tweezers 5 SA

with very fine, sharp tips for SMD applications. With ESD coating.



dpvlink 17631				QR
Article	Type	L [mm]		
P-5SA.ESD	Tweezers 5 SA	110		



## Piergiacomini Screwdrivers



Precision screwdriver

- swivel head
- ergonomic handle
- tip burnished
- **material:** chrome-vanadium-molybdenum steel

### Slotted screwdriver PG 1



dpvlink 6010

Article	Tip	Shank	Diameter
PG1-0.D	1.2 mm	60 mm	2.5 mm
PG1-1.D	1.5 mm	60 mm	2.5 mm
PG1-2.D	1.8 mm	60 mm	2.5 mm
PG1-3.D	2.5 mm	75 mm	2.5 mm
PG1-4.D	3.0 mm	100 mm	3.0 mm
PG1-5.D	3.0 mm	150 mm	3.0 mm

### PH Phillips screwdriver PG2



dpvlink 6397

Article	Tip	Shank	Diameter
PG2-0.D	PH000	60 mm	2.5 mm
PG2-1.D	PH00	60 mm	2.5 mm
PG2-1/75.D	PH00	75 mm	2.5 mm
PG2-2.D	PH0	60 mm	3.0 mm
PG2-2/75.D	PH0	75 mm	3.0 mm
PG2-2/100.D	PH0	100 mm	3.0 mm
PG2-2/150.D	PH0	150 mm	3.0 mm

### Pozidriv screwdriver PG3



dpvlink 6401

Article	Tip	Shank	Diameter
PG3-0.D	PZ0	60 mm	3.0 mm

### TORX® screwdriver PG4



dpvlink 6403

Article	Tip	Shank	Diameter
PG4-0X.D	TX05	50 mm	3.5 mm
PG4-0.D	TX06	50 mm	3.5 mm
PG4-1.D	TX07	50 mm	3.5 mm
PG4-2.D	TX08	60 mm	3.5 mm
PG4-3.D	TX09	60 mm	3.5 mm
PG4-4.D	TX10	60 mm	3.5 mm
PG4-5.D	TX15	60 mm	3.5 mm

## TORX® screwdriver PG5



with holes

dpvlink 7727

Article	Tip	Shank	Diameter
PG5-0X.D	TR05	50 mm	3.5 mm
PG5-0.D	TR06	50 mm	3.5 mm
PG5-1.D	TR07	50 mm	3.5 mm
PG5-2.D	TR08	60 mm	3.5 mm
PG5-3.D	TR09	60 mm	3.5 mm
PG5-4.D	TR10	60 mm	3.5 mm
PG5-5.D	TR15	60 mm	3.5 mm

## CK Screwdrivers

### Series TRITON



TRITON ESD combines the advantages of dissipative materials with an ergonomic shape of the handle. In contrast to the especially light, small XonicXM screwdrivers, Triton ESD offers a bigger gripping volume and blades for larger screws.

Dissipative tools offer no protection against voltages, because they have no insulating properties.



- Ergonomic tri-lobe handle for comfort and effective delivery of torque
- Completely ESD compliant
- Hardened alloy steel blade for exceptional strength and durability
- Special coating eliminates the risk of reflections and flaking
- Handle injection molded directly to blade assuring increased bond
- Precision-machined tip for an exact screw fit and damage-free tightening

## TRITON 4725ESD slotted



Chrome-vanadium steel  
DIN EN 100 015-1, DIN 5263, DIN 5264B; DIN 5268-2; ISO 2380-1

### dpvlink 1106

Article	Thickness	Shank	Diameter
4725ESD.75x3	0.5 mm	75 mm	3.0 mm
4725ESD.100x3	0.5 mm	75 mm	3.0 mm
4725ESD.100x4	0.8 mm	100 mm	4.0 mm
4725ESD.125x5	0.8 mm	125 mm	5.0 mm
4725ESD.250x5	0.8 mm	250 mm	5.0 mm



## TRITON 4722ESD PH Phillips



Chrome-molybdenum steel  
DIN EN 100 015-1, DIN 5261, DIN 5262; DIN 5268-2; ISO 2380-1

### dpvlink 1258

Article	Tip	Shank	Diameter
4722ESD.PH0x60	PH0	60 mm	3.5 mm
4722ESD.PH1x80	PH1	80 mm	5.0 mm
4722ESD.PH1x300	PH1	300 mm	5.0 mm
4722ESD.PH2x100	PH2	100 mm	6.0 mm
4722ESD.PH2x300	PH2	300 mm	6.0 mm



## TRITON 4723ESD PZD/ SDV Pozidriv / Supadriv



Chrome-molybdenum steel  
DIN EN 100 015-1

### dpvlink 1271

Article	Tip	Shank	Diameter
4723ESD.PZDSD.060	PZD0	60 mm	3.5 mm
4723ESD.PZDSD.080	PZD1	80 mm	5.0 mm
4723ESD.PZDSD.100	PZD2	100 mm	6.0 mm



## TRITON 4718ESD Torx Tamperproof



Chrome-vanadium steel, with hole = tamper-proof  
DIN EN 100 015-1

### dpvlink 1288

Article	Tip	Shank	Diameter
4718ESD.TX08x70	TX08	70 mm	3.0 mm
4718ESD.TX08x200	TX08	200 mm	3.0 mm
4718ESD.TX09x70	TX09	70 mm	3.0 mm
4718ESD.TX10x80	TX10	80 mm	3.0 mm
4718ESD.TX10x300	TX10	300 mm	3.0 mm
4718ESD.TX15x80	TX15	80 mm	3.5 mm
4718ESD.TX15x300	TX15	300 mm	3.5 mm
4718ESD.TX20x90	TX20	90 mm	4.0 mm



## TRITON 4582ESD Bit holder



Bit holder with snap ring, without magnet, EMC compatible, 1/4" hexagon C 6.3

### dpvlink 1615

Article	Shank	Diameter
4582ESD.C6.3	120 mm	11.0 mm



## Triton ESD Screwdriver set



### dpvlink 1251

Article	Type
4741ESD	<b>ESD Screwdriver Set</b> 4725 ESD.75x3, 100x3, 125x5 4723 ESD.PZDSDV 0, 1, 2
4741S-ESD	<b>ESD Screwdriver Set</b> 4725 ESD.75x3, -100x3, -125x5 4722 ESD.PH 0, 1, 2
4730ESD	<b>ESD Screwdriver Set</b> 4718 ESD.TX 08, 09, 10, 15, 20



## Triton ESD screwdriver set 6-piece SL / PH / TX



For an extra long reach.

1 x slotted, size 5 x 250 mm  
2 x PH, sizes 1 x 300 mm and 2 x 300 mm  
3 x TX, sizes 8 x 200 mm, 10 x 300 mm and 15 x 300 mm

### dpvlink 21578

Article	Type
4797-ESD	<b>ESD screwdriver set 6-piece</b> T4725ESD 5 x 250, T4722ESD PH 1 x 300, PH 2 x 300 T4718ESD T08x200, T10x300, T15x300



## Series XONIC



When working on electronic components, static electricity can lead to damages or the destruction of sensitive semiconductors and other components.

Therefore, precautions are essential when working with electrostatically sensitive components.

The dissipative screwdriver tools by C.K offer an additional protection when working in electrostatically sensitive areas (ESD).

XonicXM ESD / ETUC screwdriver tools:

Manufactured and tested according to DIN 91953 as well as DIN EN 100-015/1



The handle sleeves do not provide any protection against voltage.

### XONIC 4880X-ESD Slotted



dpvlink 1626

Article	Tip	Thickness	Shank	Diameter
4880X-ESD0.8x60	0.8 mm	0.2 mm	60 mm	2.5 mm
4880X-ESD1.2x60	1.2 mm	0.25 mm	60 mm	2.5 mm
4880X-ESD1.5x60	1.5 mm	0.3 mm	60 mm	2.5 mm
4880X-ESD1.8x60	1.8 mm	0.3 mm	60 mm	2.5 mm
4880X-ESD2.5x60	2.5 mm	0.4 mm	60 mm	2.5 mm
4880X-ESD2.5x75	2.5 mm	0.4 mm	75 mm	2.5 mm
4880X-ESD3.0x100	3.0 mm	0.5 mm	100 mm	3.0 mm
4880X-ESD4.0x100	4.0 mm	0.6 mm	100 mm	4.0 mm

### XONIC 4882X-ESD PH / Cross-tip



dpvlink 1639

Article	Tip	Shank	Diameter
4882X-ESD000x60	PH000	60 mm	2.5 mm
4882X-ESD000x60	PH00	60 mm	2.5 mm
4882X-ESD0x60	PH0	60 mm	3.0 mm
4882X-ESD1x80	PH1	80 mm	4.5 mm

### XONIC 4875X-ESD PZD / Cross-tip



dpvlink 1647

Article	Tip	Shank	Diameter
4875X-ESD0x60	PZD0	60 mm	3.0 mm
4875X-ESD1x80	PZD1	80 mm	4.5 mm

### XONIC 4877X-ESD TORX®



dpvlink 1656

Article	Tip	Shank	Diameter
4877X-ESD TX04x50	TX04	50 mm	2.5 mm
4877X-ESD TX05x50	TX05	50 mm	2.5 mm
4877X-ESD TX06x50	TX06	50 mm	3.5 mm
4877X-ESD TX07x50	TX07	50 mm	3.5 mm
4877X-ESD TX08x60	TX08	60 mm	3.5 mm

### XONIC 4838X-ESD Hexagon ballpoint



dpvlink 1651

Article	Size	Shank	Diameter
4838X-ESD1.5x50	1.5 mm	50 mm	2.5 mm
4838X-ESD2.0x50	2.0 mm	50 mm	2.5 mm
4838X-ESD2.5x60	2.5 mm	60 mm	3.0 mm
4838X-ESD3.0x60	3.0 mm	60 mm	3.5 mm

### XONIC 4840X-ESD Socket wrench



dpvlink 1681

Article	Size	Shank	Diameter
4840X-ESD3.2x60	3.2 mm	60 mm	4.0 mm
4840X-ESD3.5x60	3.5 mm	60 mm	4.0 mm
4840X-ESD4.0x60	4.0 mm	60 mm	4.0 mm
4840X-ESD4.5x60	4.5 mm	60 mm	4.0 mm
4840X-ESD5.0x60	5.0 mm	60 mm	4.0 mm
4840X-ESD5.5x60	5.5 mm	60 mm	4.0 mm

## XONIC 4845-ESD Ceramic trimmer slotted



[dpvlink 1687](#)

Article	Tip	Thickness	Shank	Diameter
4845-ESD0.9x15	0.9 mm	0.4 mm	15 mm	1.8 mm
4845-ESD1.3x15	1.3 mm	0.4 mm	15 mm	1.8 mm
4845-ESD1.8x15	1.8 mm	0.4 mm	15 mm	1.8 mm
4845-ESD2.6x15	2.6 mm	0.4 mm	15 mm	2.6 mm

## XONIC 4847-ESD Ceramic trimmer PH / cross-tip



4847-ESD0x15 special with extra flat tip.

[dpvlink 1697](#)

Article	Tip	Shank	Diameter
4847-ESD0x15	PH0	15 mm	2.6 mm
4847-ESD0x15spec	PH0	15 mm	2.6 mm

## XONIC ESD screwdriver set 4-piece SL/PH



Slotted screwdriver 1.8 x 60, 3 x 100, 4 x 150 mm  
Crosstip screwdriver PH 0 x 60

[dpvlink 21582](#)

Article	Type
4884X-ESD	ESD screwdriver set 4-piece

## XONIC ESD screwdriver set 7-piece SL/PH



[dpvlink 21580](#)

Article	Type
4883X-ESD	ESD screwdriver set 7-piece Slotted screwdriver 2.5 x 75, 3.0 x 100, 3.0 x 150, 4.0 x 100, 4.0 x 150 mm Crosstip screwdriver PH 0 x 60, 1 x 80 mm

## Other screwdrivers

### Socket wrench set 1/4 inch



- metric socket wrench set
- made of alloyed chrome-vanadium steel
- two-component handle
- sockets apply torque to the socket flat, not to the corners (to avoid an abrasion of the screws)

Scope of delivery:

- 1/4 inch ratchet with ejection button, 45 teeth
- inserts: 4 / 4.5 / 5 / 5.5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 mm
- Bits:
  - hexagon: 3, 4, 5, 6 mm
  - safety Torx: T8, 10, 15, 20, 25, 27, 30, 40
  - Pozidriv: 1, 2, 3
  - Philips: 1, 2, 3
  - slotted: 4 / 5.5 / 7 mm
- extension 50 mm
- extension / drive handle 50 mm
- cardan joint
- adapter

[dpvlink 21584](#)

Article	Type
4655	Socket wrench set 1/4", 39-piece

### Screwdriver set 7-piece MULTI-BLADE



Ergonomically shaped handle with hollow rotating cap for an simple manipulation and precise control. Interchangeable reversible blades of high-quality chrome-vanadium / molybdenum steel.

Scope of delivery:

- screwdriver handle
- reversible blades
  - blades 1.5 / 2.0 / 3.0 / 4.0
  - PH 000 / PH 00 / PH 0 / PH 1
  - TX 05 / TX 06 / TX 07 / TX 08

[dpvlink 21593](#)

Article	Type
4896	Screwdriver set 7-piece

## ESD Wiha Screwdrivers



Screwdrivers with blades of high-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated.

In compliance with the ESD standard DIN EN 61340-5-1



The Wiha ChromTop blade tip guarantees highest dimensional accuracy.

**Soft finish®** is a patented handle design by Wiha. The impact-resistant polypropylene (PP), coated with skin-friendly thermoplastic elastomer (TPE), provides a solid stability in the core of the handle. The ideal combination of materials offers a better grip and a higher slip resistance. Due to the unique, ergonomically perfect shape, the handles fit extremely well in the hand.

### ESD SoftFinish® RapidFix bit holder



A safe, almost backlash holding for all bits and bit drills with shape C 6.3, E 6.3 or double bits. A true one-hand operation for fast bit exchanges, extremely high retention force of the bits (up to 20 kg).

dpvlink 9701

Article	Type
387ESD.7148	ESD SoftFinish® RapidFix bit holder
281-01ESD	ESD SoftFinish® bit holder Stubby

### Slotted screwdriver 302 ESD Softfinish®



dpvlink 6407

Article	Tip	Thickness	Shank	Diameter
302ESD.75x2.5	2.5 mm	0.4 mm	75 mm	2.5 mm
302ESD.100x3.0	3.0 mm	0.5 mm	100 mm	3.0 mm
302ESD.100x4.0	4.0 mm	0.8 mm	100 mm	4.0 mm
302ESD.125x5.5	5.5 mm	1.0 mm	125 mm	5.5 mm
302ESD.150x6.5	6.5 mm	1.2 mm	150 mm	6.0 mm

### Phillips screwdriver 311 ESD Softfinish®



dpvlink 6413

Article	Tip	Shank	Diameter
311ESD.PH0x60	PH0	60 mm	3.0 mm
311ESD.PH1x80	PH1	80 mm	4.5 mm
311ESD.PH2x100	PH2	100 mm	6.0 mm

### Pozidriv screwdriver 313 ESD SoftFinish®



dpvlink 6417

Article	Tip	Shank	Diameter
313ESD.PZ0x60	PZ0	60 mm	3.0 mm
313ESD.PZ1x80	PZ1	80 mm	4.5 mm

## TORX® screwdriver 362 ESD SoftFinish®



dpvlink 6420

Article	Tip	Shank	Diameter
362ESD.TX03x60	TX03	60 mm	2.5 mm
362ESD.TX04x60	TX04	60 mm	2.5 mm
362ESD.TX05x60	TX05	60 mm	3.5 mm
362ESD.TX06x60	TX06	60 mm	3.5 mm
362ESD.TX07x60	TX07	60 mm	2.5 mm
362ESD.TX08x60	TX08	60 mm	3.5 mm
362ESD.TX09x60	TX09	60 mm	4.0 mm
362ESD.TX10x80	TX10	80 mm	4.0 mm
362ESD.TX15x80	TX15	80 mm	4.0 mm
362ESD.TX20x100	TX20	100 mm	4.0 mm

## Wiha Softfinish® ESD screwdriver sets



dpvlink 6429

Article	Type
302ESD.HK5.01	<b>Slotted/Phillips ESD screwdriver set 5-piece 302</b> 302ESD.100x3.0, 100x4.0, 311ESD.PH0x60, PH1x80, PH2x100
362ESD.Set	<b>TORX® ESD screwdriver set 5-piece</b> 362ESD.TX06x60, TX08x60, TX09x60, TX10x80, TX15x80

## Slotted screwdriver 270P ESD PicoFinish®



dpvlink 22956

Article	Tip	Thickness	Shank	Diameter
270P.40x1.5	1.5 mm	0.25 mm	40 mm	2.0 mm
270P.40x2.0	2.0 mm	0.4 mm	40 mm	2.0 mm
270P.50x2.5	2.5 mm	0.4 mm	50 mm	2.5 mm
270P.50x3.0	3.0 mm	0.5 mm	50 mm	3.0 mm
270P.60x3.5	3.5 mm	0.6 mm	60 mm	3.5 mm
270P.60x4.0	4.0 mm	0.8 mm	60 mm	4.0 mm

## Phillips screwdriver 271P ESD PicoFinish®



dpvlink 22963

Article	Tip	Shank	Diameter
271P.PH00x40	PH00	40 mm	2.0 mm
271P.PH00x40	PH00	40 mm	2.0 mm
271P.PH0x50	PH0	50 mm	3.0 mm
271P.PH1x60	PH1	60 mm	4.0 mm

# Screwdrivers

## Hexagon screwdriver 273P ESD PicoFinish® *wiha*



dpvlink 22990



Article	Tip	Shank
273P.40x0.7	0.7 mm	40 mm
273P.40x0.9	0.9 mm	40 mm
273P.40x1.3	1.3 mm	40 mm
273P.50x1.5	1.5 mm	50 mm
273P.50x2.0	2.0 mm	50 mm
273P.60x2.5	2.5 mm	60 mm
273P.60x3.0	3.0 mm	60 mm

## Hexagon wrench 275P ESD PicoFinish® *wiha*



dpvlink 23000



Article	Size	Shank
275P.60x2.5	2.5 mm	60 mm
275P.60x3.0	3.0 mm	60 mm
275P.60x3.5	3.5 mm	60 mm
275P.60x4.0	4.0 mm	60 mm
275P.60x5.0	5.0 mm	60 mm
275P.60x5.5	5.5 mm	60 mm

## TORX® screwdriver 277P ESD PicoFinish® *wiha*



dpvlink 23010



Article	Tip	Shank	Diameter
277P.TX01x40	TX01	40 mm	2.5 mm
277P.TX02x40	TX02	40 mm	2.5 mm
277P.TX03x40	TX03	40 mm	2.5 mm
277P.TX04x40	TX04	40 mm	2.5 mm
277P.TX05x40	TX05	40 mm	2.5 mm
277P.TX06x40	TX06	40 mm	2.5 mm
277P.TX07x40	TX07	40 mm	2.5 mm
277P.TX08x40	TX08	40 mm	2.5 mm
277P.TX09x50	TX09	50 mm	3.0 mm
277P.TX10x50	TX10	50 mm	3.0 mm
277P.TX15x60	TX15	60 mm	3.5 mm
277P.TX20x60	TX20	60 mm	4.0 mm

## Lifter ESD PicoFinish® *wiha*

For removing tight components from printed circuit boards



dpvlink 22968



Article	Tip	Shank
278P.1001	3.5 mm	50 mm

## ESD screwdriver sets *wiha*



Screwdrivers with blades of high-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated

dpvlink 6987



Article	Type
270PESD.Set	<b>Slotted/Phillips screwdriver set, 6-piece, ESD</b> Slotted: 1.5, 2.0, 2.5, 3.0 Phillips: PH 00, PH 0
277PESD.Set	<b>TORX® ESD screwdriver set 6-piece</b> T5, T6, T7, T8, T10, T15

## Wiha ESD System 4

- Flexible, versatile precision reversible blade system
- Handles electrostatically dissipative, surface resistance  $10^6 - 10^9$  ohm,
- Fulfills the ESD standard IEC 61340-5-1
- Ergonomic SoftFinish® multi-component handle ensures a comfortable screwing and an optimal handling
- Color-coded blades of high-quality, hard but elastic chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated
- Wiha ChromTop® tips guarantee highest dimensional accuracy

## SYSTEM 4 SoftFinish® telescopic ESD *wiha*



**Handle:** Ergonomic multi-component handle with roll-off protection. With 4 mm hexagon socket for all SYSTEM 4 blades. Allows a variable length adjustment of the reversible blade of 18-90 mm. The ClickStop ball clamp guarantees a safe grip and fast blade exchange. Surface resistance  $10^6 - 10^9$  ohm.

**Standards:** IEC61340-5-1

**Application:** For all works on electrostatically sensitive components.

dpvlink 12729



Article	Type	
2691ESD.4	SYSTEM 4 SoftFinish® telescopic ESD 4.0	105

## SYSTEM 4 Slotted reversible blade *wiha*



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12731



Article	L [mm]	Tip	Thickness	Ø
269.15/30	120 mm	0.25/ 0.5 mm	1.5/ 3.0 mm	4.0 mm
269.20/35	120 mm	0.4/ 0.6 mm	2.0/ 3.5 mm	4.0 mm
269.25/40	120 mm	0.4/ 0.8 mm	2.5/ 4.0 mm	4.0 mm

## SYSTEM 4 Combined slotted-Phillips reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

**dpvlink 12735**

Article	L [mm]	Tip	Thickness	Ø
269.20/PH00	120 mm	0.4 / PH00	2.0 mm	4.0 mm
269.30/PH0	120 mm	0.5 / PH0	3.0 mm	4.0 mm
269.40/PH1	120 mm	0.8 / PH1	4.0 mm	4.0 mm

## SYSTEM 4 Phillips reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

**dpvlink 12739**

Article	L [mm]	Tip	Ø
269.PH000/00	120 mm	PH000/PH00	4.0 mm
269.PH0/1	120 mm	PH0/PH1	4.0 mm

## SYSTEM 4 Pozidriv reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

**dpvlink 12742**

Article	L [mm]	Tip	Ø
269.PZ0/1	120 mm	PZ0/PZ1	4.0 mm

## SYSTEM 4 TORX® reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

**dpvlink 12744**

Article	L [mm]	Tip	Ø
269.T01/02	120 mm	T1/T2	4.0 mm
269.T03/04	120 mm	T3/T4	4.0 mm
269.T05/06	120 mm	T5/T6	4.0 mm
269.T06/08	120 mm	T6/T8	4.0 mm
269.T07/09	120 mm	T7/T9	4.0 mm
269.T10/15	120 mm	T10/T15	4.0 mm
269.T15/20	120 mm	T15/T20	4.0 mm

## SYSTEM 4 Combined hexagon ballpoint - hexagon reversible blade



**Blade:** high-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

**Extra:** for screwing at an angle of up to 25°

**dpvlink 12752**

Article	L [mm]	Tip	Ø
269.SK13	120 mm	1.3/ 1.3 mm	4.0 mm
269.SK15	120 mm	1.5/ 1.5 mm	4.0 mm
269.SK20	120 mm	2.0/ 2.0 mm	4.0 mm
269.SK25	120 mm	2.5/ 2.5 mm	4.0 mm
269.SK30	120 mm	3.0/ 3.0 mm	4.0 mm
269.SK40	120 mm	4.0/ 4.0 mm	4.0 mm

## SYSTEM 4 Bit holder



Socket for C4 (4 mm) bits

Chrome-vanadium steel, completely hardened, galvanically refined

**dpvlink 12759**

Article	L [mm]	Tip	Thickness	D Head
U759.00	135 mm	4.0 mm	4.0 mm	9.0 mm

## SYSTEM 4 Set in roll-up bag



11-piece set in ESD safe roll-up bag, SYSTEM 4 SoftFinish® telescopic ESD handle, matt chrome-plated, high-quality chrome-vanadium-molybdenum steel, completely hardened

Color-coded Wiha ChromTop® blades:

Slotted / Phillips / TORX® / hexagon ballpoint

**dpvlink 6985**

Article	Type
2691ESD.Set	<b>SYSTEM 4 Set in roll-up bag</b> SoftFinish® handle ESD, slotted: 0.25 x 1.5 - 0.5 x 3.0, 0.4 x 2.0 - 0.6 x 3.5, 0.4 x 2.5 - 8 x 4.0 Phillips: PH 000 - 00 PH, PH 0 - PH 1, TORX®: T6 - T8, T7 - T9, hexagon ballpoint: 1.5, 2.0, 2.5

## SYSTEM 4 ESD set 16-piece



SYSTEM 4 SoftFinish® telescopic ESD handle. Mixed equipment. Variably adjustable bit holder blade length; 14 bits + metal storage box

- Robust and space-saving metal box
- bit set suitable for the smallest screws with electronic components
- flexible working due to variably adjustable blade length and quick changing of the bit insert
- DIN 3126, ISO 1173, shape C 4. IEC 61340-5-1

**dpvlink 13265**

Article	Type
7000EB16ESD.Set	<b>SYSTEM 4 ESD set 16-piece</b> SYSTEM 4 SoftFinish® telescopic ESD handle. SYSTEM 4 bit holder; slotted: 1 x 2.0, 1 x 3.0; cross-tip: 1xPH00, 1xPH00, 1xPH0, 1xPH1; Torx: 1xT3, 1xT4, 1xT5, 1xT6, 1xT8; hexagon: 1 x 0.9, 1 x 1.3, 1 x 1.5

## SYSTEM 4 ESD set 26-piece



SYSTEM 4 SoftFinish® telescopic ESD handle. Mixed equipment. Variably adjustable bit holder blade length; 24 bits + metal storage box

- Robust and space-saving metal box
- bit set suitable for the smallest screws with electronic components
- flexible working due to variably adjustable blade length and quick changing of the bit insert
- DIN 3126, ISO 1173, shape C 4. IEC 61340-5-1

**dpvlink 13267**

Article	Type
7000EB26ESD.Set	<b>SYSTEM 4 ESD set 26-piece</b> SYSTEM 4 SoftFinish® telescopic ESD handle. SYSTEM 4 bit holder; slotted: 1 x 1.5, 1 x 2.0, 1 x 3.0 1 x 4.0; cross-tip: 1xPH00 1xPH00 1xPH0 1xPH1; Torx: 1xT3 1xT4 1xT5 1xT6 1xT7 1xT8 1xT9 1xT10; hexagon: 1 x 0.7, 1 x 0.9, 1 x 1.3, 1 x 1.5, 1 x 2.0, 1 x 2.5, 1 x 3.0, 1 x 4.0

## Wiha ESD System 6

The **Wiha SYSTEM 6** combination blade systems are high-quality products in industrial quality meeting the highest requirements due to the first-class materials and processing. The 150 mm long reversible blades are made of chrome-vanadium-molybdenum steel, completely hardened and matt chrome-plated. The different handles are particularly ergonomic and guarantee an optimal power transmission.

### SYSTEM 6 ESD SoftFinish® telescopic



Ergonomic multi-component handle with roll-off protection. With 6 mm hexagon socket. Allows a variable length adjustment of the reversible blade from 42-114 mm. ClickStop ball clamp ensures safe grip and quick blade exchange. Surface resistance 10<sup>6</sup>-10<sup>9</sup> ohm.

dpvlink 12677

Article	Type	
284ESD	SYSTEM 6 ESD SoftFinish® telescopic	115



### SYSTEM 6 Slotted reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12680

Article	L [mm]	Tip	Thickness	Diameter
284.35/45	150 mm	0.6/ 0.8 mm	3.5/ 4.5 mm	6.0 mm
284.40/60	150 mm	0.8/ 1.0 mm	4.0/ 6.0 mm	6.0 mm
284.55/65	150 mm	1.0/ 1.2 mm	5.5/ 6.5 mm	6.0 mm



### SYSTEM 6 Combined slotted-Phillips reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12690

Article	L [mm]	Tip	Thickness	Diameter
284.40/PH1	150 mm	0.8 / PH1	4.0 mm	6.0 mm
284.60/PH2	150 mm	1.0 / PH2	6.0 mm	6.0 mm



### SYSTEM 6 Phillips reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12691

Article	L [mm]	Tip	Diameter
284.PH1/2	150 mm	PH1/PH2	6.0 mm
284.PH2/3	150 mm	PH2/PH3	6.0 mm



### SYSTEM 6 Pozidriv reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12692

Article	L [mm]	Tip	Diameter
284.PZ1/2	150 mm	PZ1/PZ2	6.0 mm
284.PZ2/3	150 mm	PZ2/PZ3	6.0 mm



## SYSTEM 6 Combined hexagon ballpoint - hexagon reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12693

Article	L [mm]	Tip	Diameter
284.SK25	150 mm	2.5/ 2.5 mm	6.0 mm
284.SK30	150 mm	3.0/ 3.0 mm	6.0 mm
284.SK40	150 mm	4.0/ 4.0 mm	6.0 mm
284.SK50	150 mm	5.0/ 5.0 mm	6.0 mm
284.SK60	150 mm	6.0/ 6.0 mm	6.0 mm



## SYSTEM 6 Torx® reversible blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12704

Article	L [mm]	Tip	Diameter
284.T06/08	150 mm	T6/T8	6.0 mm
284.T07/09	150 mm	T7/T9	6.0 mm
284.T10/15	150 mm	T10/T15	6.0 mm
284.T20/25	150 mm	T20/T25	6.0 mm
284.T30/40	150 mm	T30/T40	6.0 mm



## SYSTEM 6 Torx® Tamper-resistant reversible blade



For TORX® screws with locking pin. High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips. With hole in the blade tip.

dpvlink 12710

Article	L [mm]	Tip	Diameter
284.T06H/08H	150 mm	T6H/T8H	6.0 mm
284.T07H/09H	150 mm	T7H/T9H	6.0 mm
284.T10H/15H	150 mm	T10H/T15H	6.0 mm
284.T20H/25H	150 mm	T20H/T25H	6.0 mm
284.T30H/40H	150 mm	T30H/T40H	6.0 mm



## SYSTEM 6 Adapter blade



For wrench socket inserts with 1/4" inner square. Chrome-vanadium steel, completely hardened, matt chrome-plated. 1/4" square socket with spring-loaded ball for a perfect fit.

dpvlink 12725

Article	L [mm]	Socket	Diameter
7803	150 mm	1/4"	6.0 mm



## SYSTEM 6 Bit holder



SYSTEM 6 bit holder. Socket for C 6.3 and E 6.3 (1/4") bits. Chrome-vanadium steel, completely hardened, matt chrome-plated. Bit socket made of stainless steel, with integrated permanent magnet.

dpvlink 12723

Article	L [mm]	Tip	Thickness
7802	150 mm	6.0 mm	6.0 mm



## SYSTEM 6 Torq-Set® reversible blade



For Torq-set® safety screws. High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips.

dpvlink 12720

Article	L [mm]	Tip	Diameter
284.TS2/4	150 mm	TS2/TS4	6.0 mm



## SYSTEM 6 Reversible blade set



6-piece set, SoftFinish® telescopic ESD handle, matt chrome-plated high-quality chrome-vanadium-molybdenum steel, completely hardened

Blades:  
Slotted / Phillips / hexagon ballpoint

dpvlink 6983

Article	Type
284ESD.Set	<b>SYSTEM 6 Reversible blade set</b> SoftFinish® ESD handle, slotted: 0.6x3.5 - 0.8x4.5, 0.8x4.0 - 1.0x6.0, 1.0x5.5 - 1.2x6.5 Phillips: PH 1, PH 2; hexagon ballpoint: 5



- further reversible blades available on request -

## Wiha Screwdrivers VDE



Screwdrivers with blades made of high-quality chrome-vanadium-molybdenum steel, completely hardened, burnished. The protective insulation is molded directly onto the blade and inextricably linked to the handle.

**SoftFinish® electric** VDE screwdrivers by Wiha are marked with the GS symbol for tested safety. They provide safety when working with a voltage of up to 1000 V AC and 1500 V DC. In order to ensure this, each screwdriver of the series SoftFinish® electric series is tested individually in a water bath at 10,000 V, in accordance to EN/IEC 60900:2004. The ergonomic handle geometry with the skin-friendly soft zone offers ultimate comfort, even for extremely high torques.

### Slotted screwdriver 320N VDE SoftFinish® electric



dpvlink 9187

Article	Tip	Thickness	Shank
320N.60x2.0	2.0 mm	0.4 mm	60 mm
320N.75x2.5	2.5 mm	0.4 mm	75 mm
320N.100x3.0	3.0 mm	0.5 mm	100 mm
320N.100x3.5	3.5 mm	0.6 mm	100 mm
320N.100x4.0	4.0 mm	0.8 mm	100 mm
320N.125x4.5	4.5 mm	1.0 mm	125 mm
320N.175x4.5	4.5 mm	1.0 mm	175 mm
320N.125x5.5	5.5 mm	1.0 mm	125 mm
320N.175x5.5	5.5 mm	1.0 mm	175 mm
320N.150x6.0	6.0 mm	1.2 mm	150 mm
320N.150x6.5	6.5 mm	1.2 mm	150 mm
320N.175x8.0	8.0 mm	1.2 mm	175 mm



### Phillips screwdriver 321N VDE SoftFinish® electric



dpvlink 9201

Article	Tip	Shank
321N.PH0x60	PH0	60 mm
321N.PH1x80	PH1	80 mm
321N.PH2x100	PH2	100 mm
321N.PH3x150	PH3	150 mm
321N.PH4x200	PH4	200 mm



### Pozidriv screwdrivers 324N VDE SoftFinish® electric



dpvlink 9227

Article	Tip	Shank
324.PZ0x60	PZ0	60 mm
324.PZ1x80	PZ1	80 mm
324.PZ2x100	PZ2	100 mm
324.PZ3x150	PZ3	150 mm



## Hexagon socket 322N VDE Softfinish® electric



dpvlink 9207

Article	Size	Shank
322.125x4.0	4.0 mm	125 mm
322.125x5.0	5.0 mm	125 mm
322.125x5.5	5.5 mm	125 mm
322.125x6.0	6.0 mm	125 mm
322.125x7.0	7.0 mm	125 mm
322.125x8.0	8.0 mm	125 mm
322.125x9.0	9.0 mm	125 mm
322.125x10.0	10.0 mm	125 mm
322.125x11.0	11.0 mm	125 mm
322.125x12.0	12.0 mm	125 mm
322.125x13.0	13.0 mm	125 mm
322.125x14.0	14.0 mm	125 mm

## Hexagon pin wrench 323N VDE SoftFinish® electric



dpvlink 9220

Article	Size	Shank
323N.75x2.5	2.5 mm	75 mm
323N.75x3.0	3.0 mm	75 mm
323N.75x4.0	4.0 mm	75 mm
323N.75x5.0	5.0 mm	75 mm
323N.100x6.0	6.0 mm	100 mm
323N.100x8.0	8.0 mm	100 mm

## TORX® screwdriver 325 VDE SoftFinish® electric



dpvlink 9232

Article	Tip	Shank
325.TX05x60	TX05	60 mm
325.TX06x60	TX06	60 mm
325.TX07x60	TX07	60 mm
325.TX08x60	TX08	60 mm
325.TX09x60	TX09	60 mm

## TORX® screwdriver VDE SoftFinish® electric SlimFix



dpvlink 16906

Article	Tip	Shank
3251.T10	TX10/SlimFix	100 mm
3251.T15	TX15/SlimFix	100 mm
3251.T20	TX20/SlimFix	100 mm
3251.T25	TX25/SlimFix	100 mm
3251.T27	TX27/SlimFix	125 mm
3251.T30	TX30/SlimFix	125 mm
3251.T40	TX40/SlimFix	125 mm

## Wiha SoftFinish® electric VDE screwdriver sets



dpvlink 9287

Article	Type
320N.ZK6.S0	<b>Slotted/Pozidriv screwdriver set 6-piece 320N</b> 320N.75x2.5, 100x3.5, 125x4.5, 125x5.5 324.PZ1x80, 2x100
320N.K7	<b>Slotted/Phillips screwdriver set 7-piece</b> 320N.75x2.5, 100 x 4.0, 125 x 5.5, 150 x 6.5 4S300D.PH1x80, 2 x 100 255-3
320N.K6	<b>Slotted/Phillips screwdriver set, 6-piece</b> 320N.100x3.0, 100x4.0, 125x5.5, 150x6.5 312N.PH1x80, 2x100

## Wiha SoftFinish® electric VDE screwdriver sets



dpvlink 9291

Article	Type
322.K5	<b>Hexagon socket wrench set, 5-piece</b> 322.125x5.5, 125x7.0, 125x8.0, 125x10.0, 125x13.0

## Wiha SoftFinish® electric slimFix VDE screwdriver sets



dpvlink 16551

Article	Type
3251N.K6.01	<b>TORX® screwdriver set, 6-piece</b> 325.TX08x60, TX09x60; 3251.T10, T15, T20, T25

## Wiha Screwdrivers



Screwdrivers with blades made of high-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tips guarantee highest accuracy.

**SoftFinish®** is a patented handle concept by Wiha. The impact-resistant polypropylene (PP) coated with skin-friendly thermoplastic elastomer (TPE) provides a solid base in the core of the handle. The ideal material combination for a better gripping and a higher slip resistance. Due to the unique, ergonomically perfect shape, the handles lie extremely well in the hand.

**PicoFinish** screwdrivers by Wiha are characterized by the best materials and an ergonomic handle concept. The comfortable precision screwdriver with multi-component handle, rapid-turning zone and smooth-running rotating cap is ideal for all fine, filigree applications in the electro- and fine mechanics. The color-coded imprint of the screw symbol facilitates the identification.

### Slotted screwdriver 302 SoftFinish®



dpvlink 9060

Article	Tip	Thickness	Shank	Diameter
302.65x2.0	2.0 mm	0.4 mm	65 mm	2.0 mm
302.75x2.5	2.5 mm	0.4 mm	75 mm	2.5 mm
302.100x3.0	3.0 mm	0.5 mm	100 mm	3.0 mm
302.100x3.5	3.5 mm	0.6 mm	100 mm	3.5 mm
302.100x4.0	4.0 mm	0.8 mm	100 mm	4.0 mm
302.125x4.5	4.5 mm	0.8 mm	125 mm	4.5 mm
302.125x5.5	5.5 mm	1.0 mm	125 mm	5.5 mm
302.150x6.0	6.0 mm	1.2 mm	150 mm	6.0 mm
302.150x6.5	6.5 mm	1.2 mm	150 mm	1.2 mm
302.150x8.0	8.0 mm	1.2 mm	150 mm	1.2 mm
302.200x10.0	10.0 mm	1.6 mm	200 mm	1.6 mm

### Phillips screwdriver 311 SoftFinish®



dpvlink 9072

Article	Tip	Shank	Diameter
311.PH0x60	PH0	60 mm	3.0 mm
311.PH1x80	PH1	80 mm	4.5 mm
311.PH1x100	PH1	100 mm	4.5 mm
311.PH2x100	PH2	100 mm	6.0 mm
311.PH2x150	PH2	150 mm	6.0 mm
311.PH3x150	PH3	150 mm	8.0 mm

### Pozidriv screwdriver 313 SoftFinish®



dpvlink 9080

Article	Tip	Shank	Diameter
313.PZ0x60	PZ0	60 mm	3.0 mm
313.PZ1x80	PZ1	80 mm	4.5 mm
313.PZ2x100	PZ2	100 mm	6.0 mm
313.PZ3x150	PZ3	150 mm	8.0 mm

### Hexagon ballpoint screwdriver 367 SoftFinish®



The ballpoint facilitates the screwing at an angle of up to 25°.

dpvlink 9104

Article	Size	Shank
367.75x1.5	1.5 mm	75 mm
367.100x2.0	2.0 mm	100 mm
367.100x2.5	2.5 mm	100 mm
367.100x3.0	3.0 mm	100 mm
367.100x4.0	4.0 mm	100 mm
367.100x5.0	5.0 mm	100 mm
367.125x6.0	6.0 mm	125 mm
367.150x8.0	8.0 mm	150 mm

### Hexagon ballpoint screwdriver 367R "MagicRing" SoftFinish®



The ballpoint allows the screwing at an angle up to 25°. The "MagicRing" spring steel ring holds hexagon screws tight.

dpvlink 9113

Article	Size	Shank
367R.100x3.0	3.0 mm	100 mm
367R.100x4.0	4.0 mm	100 mm
367R.100x5.0	5.0 mm	100 mm
367R.125x6.0	6.0 mm	125 mm
367R.150x8.0	8.0 mm	150 mm

### Hexagon socket wrench 341 SoftFinish®



dpvlink 9244

Article	Size	Shank
341.125x4.0	4.0 mm	125 mm
341.125x5.0	5.0 mm	125 mm
341.125x5.5	5.5 mm	125 mm
341.125x6.0	6.0 mm	125 mm
341.125x7.0	7.0 mm	125 mm
341.125x8.0	8.0 mm	125 mm
341.125x9.0	9.0 mm	125 mm
341.125x10.0	10.0 mm	125 mm
341.125x11.0	11.0 mm	125 mm
341.125x13.0	13.0 mm	125 mm
341.125x14.0	14.0 mm	125 mm

### TORX® screwdriver 362 SoftFinish®



dpvlink 9085

Article	Tip	Shank	Diameter
362.TX03x60	TX03	60 mm	2.5 mm
362.TX04x60	TX04	60 mm	2.5 mm
362.TX05x60	TX05	60 mm	2.5 mm
362.TX06x60	TX06	60 mm	3.5 mm
362.TX07x60	TX07	60 mm	3.5 mm
362.TX08x60	TX08	60 mm	3.5 mm
362.TX09x60	TX09	60 mm	4.0 mm
362.TX10x80	TX10	80 mm	4.0 mm
362.TX15x80	TX15	80 mm	4.0 mm
362.TX20x100	TX20	100 mm	4.0 mm

# Screwdrivers

## TORX® screwdriver 362R "MagicSpring" SoftFinish®



The "MagicSpring" retaining spring holds TORX® screws tight.

dpvlink 9096



Article	Tip	Shank	Diameter
362R.TX06x60	TX06	60 mm	3.5 mm
362R.TX07x60	TX07	60 mm	3.5 mm
362R.TX08x60	TX08	60 mm	3.5 mm
362R.TX09x60	TX09	60 mm	4.0 mm
362R.TX10x80	TX10	80 mm	4.0 mm
362R.TX15x80	TX15	80 mm	4.0 mm
362R.TX20x100	TX20	100 mm	4.0 mm

## Wiha SoftFinish® screwdriver sets



dpvlink 9262



Article	Type
302.HK6.SO	<b>Slotted/Phillips screwdriver set, 6-piece</b> 302. 100 x 3.5, 125 x 4.5, 150 x 5.5, 150 x 6.5 311.PH1x80, PH2x100
302.ZK6.SO	<b>Slotted/Pozidriv screwdriver set, 6-piece</b> 302. 100 x 3.5, 125 x 4.5, 150 x 5.5, 150 x 6.5 313.PZ1x80, PZ2x100
302.HK6.01	<b>Slotted/Phillips/Pozidriv screwdriver set, 6-piece</b> 302.100x4.0, 125x5.5, 150x6.5 311.PH1x80, PH2x100, PH3x150 313.PZ2x100
311.K6	<b>Phillips/Pozidriv screwdriver set, 6-piece</b> 311.PH1x80, PH2x100, PH3x150 313.PZ1x80, PZ2x100, PZ3x150

## Wiha SoftFinish® screwdriver sets



dpvlink 9267



Article	Type
362.K6.SO	<b>TORX® screwdriver set, 6-piece</b> 362.TX10x80, TX15x80, TX20x100, TX25x100, TX30x115, TX40x130
362R.K6.SO	<b>TORX® screwdriver set "MagicSpring", 6-piece</b> 362R.TX10x80, TX15x80, TX20x80, TX25x100, TX30x115, TX40x130
362.K7	<b>TORX® screwdriver set, 7-piece</b> 362.TX08x60, TX09x60, TX10x80, TX15x80, TX20x100, TX25x100, TX30x115

## Wiha SoftFinish® socket wrench sets



dpvlink 9271



Article	Type
341.K5	<b>Hexagon socket wrench set, 5-piece</b> 341.125x5.5, 125x7.0, 125x8.0, 125x10.0, 125x13.0

## Slotted screwdriver 260P PicoFinish



dpvlink 9119



Article	Tip	Thickness	Shank	Diameter
260P.40x0.8	0.8 mm	0.16 mm	40 mm	2.0 mm
260P.40x1.0	1.0 mm	0.18 mm	40 mm	2.0 mm
260P.40x1.2	1.2 mm	0.2 mm	40 mm	2.0 mm
260P.40x1.5	1.5 mm	0.25 mm	40 mm	2.0 mm
260P.40x1.8	1.8 mm	0.3 mm	40 mm	2.0 mm
260P.40x2.0	2.0 mm	0.4 mm	40 mm	2.0 mm
260P.50x2.5	2.5 mm	0.4 mm	50 mm	2.5 mm
260P.50x3.0	3.0 mm	0.5 mm	50 mm	3.0 mm
260P.60x3.5	3.5 mm	0.6 mm	60 mm	3.5 mm
260P.60x4.0	4.0 mm	0.8 mm	60 mm	4.0 mm

## Phillips screwdriver 261P PicoFinish



dpvlink 9130



Article	Tip	Shank	Diameter
261P.PH00x40	PH000	40 mm	2.0 mm
261P.PH00x40	PH00	40 mm	2.0 mm
261P.PH00x50	PH0	50 mm	3.0 mm
261P.PH1x60	PH1	60 mm	4.0 mm

## Pozidriv screwdriver 262P PicoFinish



dpvlink 9135



Article	Tip	Shank	Diameter
262P.PZ0x50	PZ0	50 mm	3.0 mm
262P.PZ1x60	PZ1	60 mm	4.0 mm

## Hexagon screwdriver 263P PicoFinish



dpvlink 9138



Article	Size	Shank
263P.40x0.7	0.7 mm	40 mm
263P.40x0.9	0.9 mm	40 mm
263P.40x1.3	1.3 mm	40 mm
263P.50x1.5	1.5 mm	50 mm
263P.50x2.0	2.0 mm	50 mm
263P.60x2.5	2.5 mm	60 mm
263P.60x3.0	3.0 mm	60 mm

## Hexagon ballpoint screwdriver 264P PicoFinish *wiha*



The ballpoint facilitates the screwing at an angle of up to 25°.

**dpvlink 9146**



Article	Size	Shank
264P.40x1.3	1.3 mm	40 mm
264P.50x1.5	1.5 mm	50 mm
264P.50x2.0	2.0 mm	50 mm
264P.60x2.5	2.5 mm	60 mm
264P.60x3.0	3.0 mm	60 mm

## Hexagon socket wrench 265P PicoFinish *wiha*



**dpvlink 9152**



Article	Size	Shank
265P.60x1.5	1.5 mm	60 mm
265P.60x1.8	1.8 mm	60 mm
265P.60x2.0	2.0 mm	60 mm
265P.60x2.5	2.5 mm	60 mm
265P.60x3.0	3.0 mm	60 mm
265P.60x3.2	3.2 mm	60 mm
265P.60x3.5	3.5 mm	60 mm
265P.60x4.0	4.0 mm	60 mm
265P.60x4.5	4.5 mm	60 mm
265P.60x5.0	5.0 mm	60 mm
265P.60x5.5	5.5 mm	60 mm
265P.60x6.0	6.0 mm	60 mm
265P.60x7.0	7.0 mm	60 mm

## TORX® screwdriver 267P PicoFinish *wiha*



**dpvlink 9166**



Article	Tip	Shank	Diameter
267P.TX01x40	TX01	40 mm	2.5 mm
267P.TX02x40	TX02	40 mm	2.5 mm
267P.TX03x40	TX03	40 mm	2.5 mm
267P.TX04x40	TX04	40 mm	2.5 mm
267P.TX05x40	TX05	40 mm	2.5 mm
267P.TX06x40	TX06	40 mm	2.5 mm
267P.TX07x40	TX07	40 mm	2.5 mm
267P.TX08x40	TX08	40 mm	2.5 mm
267P.TX09x50	TX09	50 mm	3.0 mm
267P.TX10x50	TX10	50 mm	3.0 mm
267P.TX15x60	TX15	60 mm	3.5 mm
267P.TX20x60	TX20	60 mm	4.0 mm

## TORX® screwdrivers 267PR "MagicSpring" PicoFinish *wiha*



The "Magic Spring" retaining spring holds TORX® screws tight.

**dpvlink 9180**



Article	Tip	Shank	Diameter
267PR.TX06x40	TX06	40 mm	2.5 mm
267PR.TX07x40	TX07	40 mm	2.5 mm
267PR.TX08x40	TX08	40 mm	2.5 mm
267PR.TX09x50	TX09	50 mm	3.0 mm
267PR.TX10x50	TX10	50 mm	3.0 mm
267PR.TX15x60	TX15	60 mm	3.5 mm

## Wiha PicoFinish socket wrench sets *wiha*



**dpvlink 9285**



Article	Type
265P.K6	<b>Hexagon socket wrench set, 6-piece</b> 265P.60x2.5, 60 x 3.0, 60 x 3.5, 60 x 4.0, 60 x 5.0, 60 x 5.5

## Wiha PicoFinish screwdriver sets *wiha*



**dpvlink 9274**



Article	Type
260P.K6	<b>Slotted/Phillips screwdriver set, 6-piece</b> 260P.40x1.5, 40 x 2.0, 50 x 2.5, 50 x 3.0 261P.PH00x40, PH0x50
260P.K7	<b>Slotted/Phillips screwdriver set 7-piece</b> 260P.40x1.5, 40 x 2.0, 50 x 2.5, 50 x 3.0 261P.PH00x40, PH0x50, PH 1x60 (without plastic holder)

## Wiha PicoFinish screwdriver sets *wiha*



**dpvlink 9280**



Article	Type
267PR.K6	<b>TORX® screwdriver set "MagicSpring", 6-piece</b> 267PR.TX06x40, TX07x40, TX08x40, TX09x50, TX10x50, TX15x60
267P.K6M	<b>TORX® screwdriver set, 6-piece</b> 267P.TX04x40, TX05x40, TX06x40, TX07x40, TX08x40, TX09x50
267P.K6	<b>TORX® screwdriver set, 6-piece</b> 267P.TX07x40, TX08x40, TX09x50, TX10x50, TX15x60, TX20x60
264P.K6	<b>Hexagon ballpoint screwdriver set, 6-piece</b> 264P.40x1.3, 50 x 1.5, 50 x 2.0, 60 x 2.5, 60 x 3.0 263P.40x0.9

## WERA Screwdrivers



The Wera Black Point tip and an elaborate hardening process guarantee a **long durability**, an **increased corrosion protection** and **precise fitting accuracy**.

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

### Micro-screwdriver 1550 ESD cross-tip



dpvlink 18078

Article	Tip	Handle length	Shank	Diameter
WE-1550ESD.PH00x60	PH00	97 mm	60 mm	2.5 mm
WE-1550ESD.PH0x60	PH0	97 mm	60 mm	3.0 mm
WE-1550ESD.PH1x80	PH1	97 mm	80 mm	4.0 mm

### Micro-screwdriver 1555 ESD cross-tip Pozidriv



dpvlink 18087

Article	Tip	Handle length	Shank	Diameter
WE-1555ESD.PZ0x60	PZ0	97 mm	60 mm	3.0 mm
WE-1555ESD.PZ1x80	PZ1	97 mm	80 mm	4.0 mm

### Micro-screwdriver 1567 ESD TORX



dpvlink 18102

Article	Tip	Handle length	Shank	Diameter
WE-1567ESD.TX4x40	TX4	97 mm	40 mm	2.5 mm
WE-1567ESD.TX5x40	TX5	97 mm	40 mm	3.0 mm
WE-1567ESD.TX6x40	TX6	97 mm	40 mm	3.0 mm

### Slotted micro-screwdriver 1578A ESD



dpvlink 18106

Article	Tip	Handle length	Shank	Diameter
WE-1578A-ESD1.2x40	1.2 mm	97 mm	40 mm	2.5 mm
WE-1578A-ESD1.5x40	1.5 mm	97 mm	40 mm	2.5 mm
WE-1578A-ESD1.8x60	1.8 mm	97 mm	60 mm	2.5 mm
WE-1578A-ESD2.0x60	2.0 mm	97 mm	60 mm	2.5 mm
WE-1578A-ESD2.5x80	2.5 mm	97 mm	80 mm	2.5 mm
WE-1578A-ESD3.0x80	3.0 mm	97 mm	80 mm	3.0 mm
WE-1578A-ESD3.5x80	3.5 mm	97 mm	80 mm	4.0 mm
WE-1578A-ESD4.0x80	4.0 mm	97 mm	80 mm	4.0 mm

### Micro-screwdriver 1569 ESD socket wrench



dpvlink 18122

Article	Tip	Handle length	Shank	Diameter
WE-1569ESD.SW5.0x60	SW5.0	97 mm	60 mm	7.0 mm
WE-1569ESD.SW5.5x60	SW5.5	97 mm	60 mm	7.8 mm

### Electronic screwdriver set 1578A/6 ESD



Electronic screwdriver set 1578A/6 ESD, 6-piece set + Rack

dpvlink 18125

Article	Type
WE-1578A/6-ESD	<b>Electronic screwdriver set 6-pcs</b> 1578A-ESD1.2x40/ ESD1.5x40/ ESD1.8x60/ ESD2.5x80 1550ESD.PH0x60; 1550ESD.PH1x80

## Torque screwdrivers ESD WERA

### Wera 1460 Micro Torque Screwdriver ESD



Micro Torque screwdriver 1460-ESD

- suitable for bits with 4 mm Halfmoon drive (Wera series 9) and 4 mm HIOS-drive (Wera series 21)
- quick-change chuck for lightning bit change
- preset torque 0.035 Nm
- adjustable 0.02 - 0.06 Nm
- accuracy +/- 10%
- Handle: Kraftform Micro with roll protection and revolving cap

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

**dpvlink 18128**

Article	Range
WE-1460ESD ESD Micro Torque Screwdriver	0.02 - 0.06 Nm



### Wera 7400 series Torque Screwdriver ESD



Torque screwdriver series 7400-ESD

- suitable for bits with 1/4" hexagon drive and Wera drive series 1 and 4
- Rapidaptor technologie with rapid-in, rapid-out, rapid-spin, chuck-all and single-hand-function
- nonmagnetic design
- accuracy +/- 6%
- Handle: Kraftform with roll protection

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

**dpvlink 18130**

Article	Range
WE-7440ESD Torque Screwdriver 7440-ESD	0.3 - 1.2 Nm
WE-7441ESD Torque Screwdriver 7441-ESD	1.2 - 3.0 Nm



## WERA Bit holder / Bits

### WERA 811/1 Bit holder ESD Stubby



Stubby bit holder 811/1 ESD, short design

- suitable for 1/4" bits according to DIN 3126-C 6,3 and Wera drive series 1
- Blade: hexagon
- Design: 1/4" - hexagon socket with snap ring, chrome-plated
- Handle: Kraftform with roll protection

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

**dpvlink 18137**

Article	Type	Handle length
WE-811/1-ESD	811/1 Stubby bit holder, magnetic	54 mm



### WERA 813 R Bit holder ESD



Bit holder 813 R ESD

- suitable for bits with 1/4" - hexagon drive according to DIN 3126-C and Wera drive series 1 + 4
- Design: 1/4" - hexagon socket with Wera quick-change chuck and Rapidaptor technology with rapid-in, rapid-out, rapid-spin, chuck-all and single-hand function
- Handle: Kraftform with roll protection

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

**dpvlink 18139**

Article	Handle length
WE-813R-ESD 813 R Bit holder	90 mm



### WERA 816 R Bit holder ESD



Bits holder 816 R ESD

- suitable for bits with 1/4" - hexagon drive according to DIN 3126-C and Wera drive series 1 + 4
- Design: 1/4" - hexagon socket with Wera quick-change chuck and Rapidaptor technology with rapid-in, rapid-out, rapid-spin, chuck-all and single-hand-function
- Handle: Kraftform with roll protection

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

**dpvlink 18141**

Article	Handle length
WE-816R-ESD 816 R Bit holder	119 mm



### WERA 1013 Micro Bit holder ESD



Micro Bit holder 1013-ESD

- suitable for bits with 4 mm Halfmoon drive (Wera series 9) and 4 mm HIOS drive (Wera series 21)
- with quick-change chuck for lightning bit change
- Handle: Kraftform Micro with roll protection and revolving cap

In compliance with the ESD standard DIN EN 61340-5-1 ⚠

**dpvlink 18133**

Article	Handle length
WE-1013ESD 1013 Micro Bit holder	97 mm



## WERA Slot Bit 800/9C



Drive: 4mm Halfmoon  
Design: hard

dpvlink 18145

Article	Tip	Thickness	Shank
WE-800/9C-1.5x44	1.5 mm	0.23 mm	44 mm
WE-800/9C-2.0x44	2.0 mm	0.4 mm	44 mm
WE-800/9C-3.0x44	3.0 mm	0.5 mm	44 mm



## WERA Hex-Plus-Bit 840/9C



Drive: 4mm Halfmoon  
Design: hard

dpvlink 18150

Article	Size	Shank
WE-840/9C-SW1.5x44	1.5 mm	44 mm
WE-840/9C-SW2.0x44	2.0 mm	44 mm



further bits available on request

## WERA Bit 851/9 JCIS



Drive: 4mm Halfmoon  
Design: hard

dpvlink 18153

Article	Tip	Thickness	Shank
WE-851/9-1.8PH00x44	PH00	1.8 mm	44 mm
WE-851/9-1.8PH00x64	PH00	1.8 mm	64 mm
WE-851/9-1.8PH0x44	PH0	1.8 mm	44 mm
WE-851/9-1.8PH0x64	PH0	1.8 mm	64 mm
WE-851/9-2.0PH0x44	PH0	2.0 mm	44 mm
WE-851/9-2.2PH0x64	PH0	2.2 mm	64 mm
WE-851/9-3.0PH1x44	PH1	3.0 mm	44 mm
WE-851/9-3.0PH1x64	PH1	3.0 mm	64 mm



## WERA IP TORX-Plus Bit 867/9C



Drive: 4mm Halfmoon  
Design: hard

dpvlink 18163

Article	Tip	Thickness	Shank
WE-867/9C.1IPx44	1IP	1.5 mm	44 mm
WE-867/9C.2IPx44	2IP	1.5 mm	44 mm
WE-867/9C.3IPx44	3IP	1.7 mm	44 mm
WE-867/9C.4IPx44	4IP	2.0 mm	44 mm
WE-867/9C.4IPx64	4IP	2.0 mm	64 mm
WE-867/9C.5IPx44	5IP	2.0 mm	44 mm
WE-867/9C.5IPx70	5IP	3.0 mm	70 mm
WE-867/9C.6IPx44	6IP	2.25 mm	44 mm
WE-867/9C.8IPx44	8IP	3.0 mm	44 mm
WE-867/9C.8IPx70	8IP	3.0 mm	70 mm
WE-867/9C.10IPx44	10IP	3.0 mm	44 mm



## WERA TORX Bit 867/9C



Drive: 4mm Halfmoon  
Design: hard

dpvlink 18175

Article	Tip	Thickness	Shank
WE-867/9C.TX1x44	TX1	1.5 mm	44 mm
WE-867/9C.TX2x44	TX2	1.5 mm	44 mm
WE-867/9C.TX3x44	TX3	1.7 mm	44 mm
WE-867/9C.TX4x44	TX4	1.8 mm	44 mm
WE-867/9C.TX4x64	TX4	2.0 mm	64 mm
WE-867/9C.TX5x44	TX5	3.0 mm	44 mm
WE-867/9C.TX5x64	TX5	2.0 mm	64 mm
WE-867/9C.TX6x44	TX6	3.0 mm	44 mm
WE-867/9C.TX6x64	TX6	2.0 mm	64 mm
WE-867/9C.TX7x64	TX7	2.3 mm	64 mm
WE-867/9C.TX8x44	TX8	3.0 mm	44 mm
WE-867/9C.TX8x64	TX8	3.0 mm	64 mm



## WERA Kraftform Kompakt Micro-Set 1013ESD/11SB



dpvlink 18188

Article	Type
WE-1013ESD/11SB	<b>WERA KK Micro-Set 1013ESD/11SB</b> Micro bit holder WE-1013ESD, PH 00, PH 0, PH 1, TORX: TX 5, TX6 Slot: 0.23 x 1.5 / 0.4 x 2.0 / 0.5 x 3.0 Hex-Plus: 1.5 / 2.0



## WERA Kraftform Kompakt Micro-Set 1013ESD/20SB



dpvlink 18192

Article	Type
WE-1013ESD/20SB	<b>WERA KK Micro-Set 1013ESD/20SB</b> Micro bit holder WE-1013ESD, PH 00, PH 0, PH 1, TORX: TX1, TX2, TX3, TX4, TX 5, TX6 TORX PLUS: 1 IP, 2 IP, 3 IP, 4 IP Slot: 0.23 x 1.5 / 0.4 x 2.0 / 0.5 x 3.0 Hex-Plus: 1.5 / 2.0 Five Lobe: # 1



## Wera Kraftform compact set Stubby 811/1 ESD/10



dpvlink 25155

Article	Type
WE-811/1-ESD/10	<b>Wera Kraftform compact set Stubby 811/1 ESD/10</b> Micro bit holder WE-811/1-ESD, PH00, PH 0, PH 1, PH2 Slotted: 0.5 x 3 / 0.6 x 4.5 / 1 x 5.5 / 1.2 x 6.5 / 1.2 x 8



## Wera Kraftform Compact set 816R ESD/60



dpvlink 25157

Article	Type
WE-816R-ESD/60	<b>Wera Kraftform Compact set 816R ESD/60</b> Micro bit holder WE-816R-ESD, PH 1, PH 2, PH 3, TORX: TX10, TX15, TX20, TX25, TX 30, Pozidriv: PZ1, PZ2, PZ3 Slotted: 1 x 5.5 Hex-Plus: 3 / 4 / 5 / 6 Five Lobe: # 1



## Wera Kraftform Kompakt Micro set 1013ESD/21SB



dpvlink 25159

Article	Type
WE-1013ESD/21SB	<b>Wera Kraftform Kompakt Micro set 1013ESD/21SB</b> Micro bit holder WE-1013ESD, PH 000, PH00, PH 0, TORX: TX1, TX2, TX3, TX4, TX5, TORX PLUS: 1 IP, 2 IP, 3 IP, 4 IP, 11PR Microstix shape A: m / 00 / F / 0 Slotted : 0.23 x 1.5 / 0.35 x 2.5 Wrench socket: 2.5



## Bit inserts



All offered bits have a socket fulfilling DIN 3126 ISO 1173 shape E 6.3

Material: High-quality chrome-vanadium steel, completely hardened.

### Slotted bit / shape E 6.3



dpvlink 6460

Article	Tip	Thickness	L [mm]
7040Z.50x3.0x0.5	3.0 mm	0.5 mm	50 mm
7040Z.50x3.5x0.6	3.5 mm	0.6 mm	50 mm
7040Z.50x4.0x0.5	4.0 mm	0.5 mm	50 mm
7040Z.50x4.0x0.8	4.0 mm	0.8 mm	50 mm
7040Z.50x4.5x0.6	4.5 mm	0.6 mm	50 mm
7040Z.50x5.5x0.8	5.5 mm	0.8 mm	50 mm
7040Z.50x5.5x1.0	5.5 mm	1.0 mm	50 mm
7040Z.50x6.5x1.2	6.5 mm	1.2 mm	50 mm
7040Z.50x8.0x1.2	8.0 mm	1.2 mm	50 mm
7040Z.50x8.0x1.6	8.0 mm	1.6 mm	50 mm



### Phillips bit / shape E 6.3



dpvlink 6469

Article	Tip	L [mm]
7041Z.PH0x70	PH0	70 mm
7041Z.PH1x70	PH1	70 mm
7041Z.PH1x90	PH1	90 mm
7041Z.PH1x110	PH1	110 mm
7041Z.PH1x127	PH1	127 mm
7041Z.PH1x150	PH1	150 mm
7041Z.PH2x70	PH2	70 mm
7041Z.PH2x90	PH2	90 mm
7041Z.PH2x110	PH2	110 mm
7041Z.PH2x127	PH2	127 mm
7041Z.PH2x150	PH2	150 mm
7041Z.PH3x70	PH3	70 mm
7041Z.PH3x90	PH3	90 mm
7041Z.PH3x110	PH3	110 mm
7041Z.PH3x127	PH3	127 mm
7041Z.PH3x150	PH3	150 mm



### TORX® TR bit (Tamper-resistant) / shape E 6.3



with hole at the front

dpvlink 6544

Article	Tip	L [mm]
7045.TR07x50	TR07	50 mm
7045.TR08x50	TR08	50 mm
7045.TR09x50	TR09	50 mm
7045.TR10x50	TR10	50 mm
7045.TR15x50	TR15	50 mm
7045.TR20x50	TR20	50 mm
7045.TR25x50	TR25	50 mm
7045.TR27x50	TR27	50 mm
7045.TR30x50	TR30	50 mm
7045.TR40x50	TR40	50 mm



-TorxPlus bits and further versions available on request-

## TORX® bit / shape E 6,3

wiha



dpvlink 6519



Article	Tip	L [mm]
7045.TX05x50	TX05	50 mm
7045.TX06x50	TX06	50 mm
7045.TX06x70	TX06	70 mm
7045.TX06x90	TX06	90 mm
7045.TX07x50	TX07	50 mm
7045.TX07x70	TX07	70 mm
7045.TX07x90	TX07	90 mm
7045.TX08x50	TX08	50 mm
7045.TX08x70	TX08	70 mm
7045.TX08x90	TX08	90 mm
7045.TX09x50	TX09	50 mm
7045.TX09x70	TX09	70 mm
7045.TX09x90	TX09	90 mm
7045.TX10x50	TX10	50 mm
7045.TX10x70	TX10	70 mm
7045.TX10x90	TX10	90 mm
7045.TX10x110	TX10	110 mm
7045.TX15x50	TX15	50 mm
7045.TX15x70	TX15	70 mm
7045.TX15x90	TX15	90 mm
7045.TX15x110	TX15	110 mm
7045.TX20x50	TX20	50 mm
7045.TX20x70	TX20	70 mm
7045.TX20x90	TX20	90 mm
7045.TX20x110	TX20	110 mm
7045.TX25x50	TX25	50 mm
7045.TX25x70	TX25	70 mm
7045.TX25x90	TX25	90 mm
7045.TX25x110	TX25	110 mm
7045.TX27x50	TX27	50 mm
7045.TX27x70	TX27	70 mm
7045.TX27x90	TX27	90 mm
7045.TX30x50	TX30	50 mm
7045.TX30x70	TX30	70 mm
7045.TX30x90	TX30	90 mm
7045.TX30x110	TX30	110 mm
7045.TX40x50	TX40	50 mm
7045.TX40x70	TX40	70 mm
7045.TX40x90	TX40	90 mm
7045.TX40x110	TX40	110 mm

## Pozidriv bit / shape E 6.3

wiha



dpvlink 6487



Article	Tip	L [mm]
7042Z.PZ0x70	PZ0	70 mm
7042Z.PZ1x70	PZ1	70 mm
7042Z.PZ1x90	PZ1	90 mm
7042Z.PZ1x110	PZ1	110 mm
7042Z.PZ1x127	PZ1	127 mm
7042Z.PZ1x150	PZ1	150 mm
7042Z.PZ2x70	PZ2	70 mm
7042Z.PZ2x90	PZ2	90 mm
7042Z.PZ2x110	PZ2	110 mm
7042Z.PZ2x127	PZ2	127 mm
7042Z.PZ2x150	PZ2	150 mm
7042Z.PZ3x70	PZ3	70 mm
7042Z.PZ3x90	PZ3	90 mm
7042Z.PZ3x110	PZ3	110 mm
7042Z.PZ3x127	PZ3	127 mm
7042Z.PZ3x150	PZ3	150 mm

## Standard bit slotted, shape C 6.3

wiha



**Material:** high-quality chrome-vanadium steel, completely hardened.

**Drive:** DIN 3126, ISO 1173 shape C 6.3.

**Application:** for all kinds of screw connections in trade and industry.

dpvlink 12772



Article	Tip	Thickness	L [mm]
7010Z.25x4.5x0.6	4.5 mm	0.6 mm	25 mm
7010Z.25x5.5x0.8	5.5 mm	0.7 mm	25 mm
7010ZL.39x4.0x0.5	4.0 mm	0.5 mm	39 mm
7010ZL.39x4.0x0.8	4.0 mm	0.8 mm	39 mm

## Standard bit, Phillips, shape C 6.3

wiha



**Material:** high-quality chrome-vanadium steel, completely hardened.

**Drive:** DIN 3126, ISO 1173 shape C 6.3.

**Application:** for all kinds of screw connections in trade and industry.

dpvlink 12779



Article	Tip	L [mm]
7011Z.PH0x25	PH0	25 mm
7011Z.PH1x25	PH1	25 mm
7011Z.PH2x25	PH2	25 mm
7011Z.PH3x25	PH3	25 mm

## Standard bit, Pozidriv, shape C 6.3

wiha



**Material:** high-quality chrome-vanadium steel, completely hardened.

**Drive:** DIN 3126, ISO 1173 type C 6.3.

**Application:** for all kinds of screw connections in trade and industry.

dpvlink 12784



Article	Tip	L [mm]
7012Z.PZ0x25	PZ0	25 mm
7012Z.PZ1x25	PZ1	25 mm
7012Z.PZ2x25	PZ2	25 mm
7012Z.PZ3x25	PZ3	25 mm

## Standard bit, TORX®, shape C 6.3

wiha



**Material:** high-quality chrome-vanadium steel, completely hardened.

**Drive:** DIN 3126, ISO 1173 shape C 6.3.

**Application:** for all kinds of screw connections in trade and industry.

dpvlink 12789



Article	Tip	L [mm]
7015.TX03x25	T3	25 mm
7015.TX04x25	T4	25 mm
7015.TX05x25	T5	25 mm
7015.TX06x25	T6	25 mm
7015.TX07x25	T7	25 mm
7015.TX08x25	T8	25 mm
7015.TX09x25	T9	25 mm
7015.TX10x25	T10	25 mm

## Standard bit, TORX PLUS®, shape C 6.3



**Material:** high-quality chrome-vanadium steel, completely hardened.  
**Application:** for all kinds of screw connections in trade and industry.  
**Extra:** reinforced profile cross section transfers approx. 25% more torque in comparison with a TORX® profile.

### dpvlink 13269

Article	Tip	L [mm]
7016Z.04IPx25	4IP	25 mm
7016Z.05IPx25	5IP	25 mm
7016Z.06IPx25	6IP	25 mm
7016Z.07IPx25	7IP	25 mm
7016Z.08IPx25	8IP	25 mm
7016Z.09IPx25	9IP	25 mm
7016Z.10IPx25	10IP	25 mm



## Standard bit, hexagon, shape C 6.3



**Material:** High-quality chrome-vanadium steel, completely hardened.  
**Drive:** DIN 3126, ISO 1173 type C 6.3.  
**Application:** For all kinds of screw connections in trade and industry.

### dpvlink 12798

Article	Size	L [mm]
7013Z.25x1.5	1.5 mm	25 mm
7013Z.25x2.0	2.0 mm	25 mm
7013Z.25x2.5	2.5 mm	25 mm
7013Z.25x3.0	3.0 mm	25 mm
7013Z.25x4.0	4.0 mm	25 mm
7013Z.25x5.0	5.0 mm	25 mm



## Hexagon socket bit / shape E 6.3



### dpvlink 6503

Article	Size	L [mm]
7043Z.50x1.5	1.5 mm	50 mm
7043Z.50x2.0	2.0 mm	50 mm
7043Z.50x3.0	3.0 mm	50 mm
7043Z.50x4.0	4.0 mm	50 mm
7043Z.50x5.0	5.0 mm	50 mm
7043Z.50x6.0	6.0 mm	50 mm
7043Z.50x8.0	8.0 mm	50 mm



## Hexagon socket bit "MagicRing" / shape E 6.3



The MagicRing made of spring steel holds all standard screws tight in every situation.

### dpvlink 6658

Article	Size	L [mm]
7043RZ.50x3.0	3.0 mm	50 mm
7043RZ.50x4.0	4.0 mm	50 mm
7043RZ.50x5.0	5.0 mm	50 mm
7043RZ.50x6.0	6.0 mm	50 mm



## Hexagon socket ballpoint bit "MagicRing"



The "MagicRing" made of spring steel holds all standard screws tight in every situation.

### dpvlink 6667

Article	Size	L [mm]
7047RZ.50x3.0	3.0 mm	50 mm
7047RZ.50x4.0	4.0 mm	50 mm
7047RZ.50x5.0	5.0 mm	50 mm
7047RZ.50x6.0	6.0 mm	50 mm



further bits available on request

## Hexagon head bit / shape E 6.3



Standard bit, socket wrench insert, shape E 6.3  
 High-quality chrome-vanadium steel, completely hardened

Article 7044M.SWxx = permanent magnet for a reliable hold of the screws

### dpvlink 6510

Article	Size	L [mm]
7044.SW5.0	5.0 mm	55 mm
7044.SW5.5	5.5 mm	55 mm
7044.SW6.0	6.0 mm	55 mm
7044.SW7.0	7.0 mm	55 mm
7044.SW8.0	8.0 mm	55 mm
7044.SW10.0	10.0 mm	55 mm
7044.SW13.0	13.0 mm	55 mm
7044M.SW5.0	5.0 mm	55 mm
7044M.SW5.5	5.5 mm	55 mm
7044M.SW6.0	6.0 mm	55 mm
7044M.SW7.0	7.0 mm	55 mm
7044M.SW8.0	8.0 mm	55 mm
7044M.SW10.0	10.0 mm	55 mm
7044M.SW13.0	13.0 mm	55 mm



## Quick-release holder type E 6.3



ClicFix quick-release holder, magnetic type E 6.3

Sleeve: Aluminium anodized  
 Output: DIN 3126, ISO 1173 shape D 6.3  
 Drive: DIN 3126, ISO 1173 shape E 6.3  
 Extra: True one-hand operation for fast bit exchanges

### dpvlink 6577

Article	Type
7149	ClicFix 1/4", magnetic



## Bit holder 1/4" hexagon / shape E 6.3



### dpvlink 6575

Article	Type
7113.S	Magnetic bit holder 1/4", length 59 mm
7113	Magnetic bit holder 1/4", length 74 mm
7143	Magnetic bit holder 1/4", with snap ring, length 72 mm
7140	Bit holder 1/4", with snap ring, length 57 mm



## MicroBit-Set 65-piece



### Content

- 45 Micro bits - drive 4 mm
- 16 Micro socket wrench- drive 4 mm
- 1 ESD fine screwdriver handle
- 1 bit holder/extension 100 mm
- 1 adapter from 4 mm hexagon to 1/4" hexagon
- 1 bit ratchet 1/4"

### ESD fine screwdriver handle

Extension 100 mm

Bit ratchet 1/4"

Adapter 1/4" - 4 mm

Philips 28 mm

000 / 00 / 0 / 1



### Slotted 28 mm

0.8 / 1.2 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5 / 4.0

### Hexagon 28 mm

0.7 / 0.9 / 1.3 / 1.5 / 2.0 / 2.5 / 3.0 / 4.0

0.050" / 1/16" / 5/64" / 3/32" / 7/64" / 1/8" / 9/64" / 5/32"

### TORX® 28 mm

T3 / T4 / T5 / T6 / T7 / T8 / T9 / T10 / T15 / T20

### Pentalobe 28 mm

P1 / P2 / P3 / P4 / P5 / P6

### Socket wrench 30 mm

2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 5.5

5/64" / 3/32" / 7/64" / 1/8" / 9/64" / 5/32" / 3/16" / 7/32"

### dpvlink 18607

Article Type

7000SK65ESD MicroBit-Set 65-piece



## Torque screwdrivers ESD

### Wiha TorqueVario®-S ESD torque handle



For a controlled screwing of electrostatically susceptible components with a given torque in combination with a Wiha Torque ESD exchangeable blade.

- Variable torque adjustment
- Torque is adjustable with an adjusting tool (torque setter, included in the scope of delivery)
- Numerical torque display in window scale
- Ergonomic multi-component handle made of electrostatically dissipative plastic  
Surface resistance  $R_s = 10^6 - 10^9 \text{ ohm}$  ⚡
- Handle size is optimally adapted to the torque range
- Blades are printed with the permissible maximum torque
- Blades are coated with electrostatically dissipative plastic
- Click indicates when the set torque value has been reached
- Accuracy  $\pm 6\%$  (model 2882ESD.TV1  $\pm 10\%$ )

In order to protect the screw and the tool from damage during closing and releasing, the torque screwdrivers are equipped with a function for limiting the closure torque as well as for limiting the release torque. When releasing the screw, a controlled torque is applied which is approx. 50% higher than the closure torque.

### Quality

The mechanical components of torque screwdrivers provide a repeatability going far beyond the required standard, even during continuous use. For your safety, before delivery, each tool is checked with a specially designed calibration and marking system, and the results are documented.

### Standards:

DIN EN 61340-5-1/61340-5-2, EN ISO 6789, BS EN 26789, ASME B107.14M

### dpvlink 6432

Article	Type	Range
2882ESD.TV0	ESD torque handle TV0	0.04 - 0.46 Nm
2882ESD.TV1	ESD torque handle TV1	0.1 - 0.6 Nm
2882ESD.TV1-6	ESD torque handle TV1	0.1 - 0.6 Nm
2882ESD.TV2	ESD torque handle TV2	0.4 - 1.0 Nm
2882ESD.TV3	ESD torque handle TV3	0.5 - 2.0 Nm
2882ESD.TV4	ESD torque handle TV4	1.0 - 5.0 Nm



## Torque screwdrivers VDE

### Wiha TorqueVario®-S VDE torque handle



For a controlled screwing on live parts with a given torque, in combination with a slimTorque VDE holder for 6 mm slimBits.

- Variable torque adjustment
- Torque is steplessly adjustable using an adjusting tool
- Numerical torque display in window scale
- Ergonomic multi-component handle with protective insulation 1000 V AC, GS tested
- Handle size is optimally adapted to the torque range
- Click indicates when the set torque value has been reached
- Accuracy  $\pm 6\%$
- The protective insulation is directly sprayed onto the bit and completely integrated into the bit

#### Scope of delivery:

- 1x torque screwdriver TorqueVario®-S electric
- slimTorque VDE bit holder for 6 mm slimBits
- 1x adjusting tool for torque screwdriver with long handle

#### Standards:

type tested up to 10000 V, IEC 60900, DIN EN ISO 6789

#### dpvlink 9370

Article	Type	Range
2872.TV3	Torque handle TV 3 VDE	0.5 - 2.0 Nm
2872.TV4	Torque handle TV 4 VDE	0.8 - 5.0 Nm
2872.TV5	Torque handle TV 5 VDE	2.0 - 7.0 Nm

### Wiha slimBit slotted - exchangeable blade VDE



For all work on live components up to 1,000 V AC. Tested according to IEC 60900. 6 mm slimBits only to be used in the slimVario® bit holder and slimTorque VDE bit holder (VDE torque system).

#### dpvlink 21968

Article	Nm		Width	Thickness	Diameter
	max. Nm				
2831VDE.25	0.4 Nm		2.5 mm	0.4 mm	6.0 mm
2831VDE.30	0.6 Nm		3.0 mm	0.5 mm	6.0 mm
2831VDE.35	2.5 Nm		3.5 mm	0.6 mm	6.0 mm
2831VDE.40	2.5 Nm		4.0 mm	0.8 mm	6.0 mm
2831VDE.55	5.5 Nm		5.5 mm	1.0 mm	6.0 mm
2831VDE.65	5.5 Nm		6.5 mm	1.2 mm	6.0 mm

### Wiha slimBit Phillips - exchangeable blade VDE



For all work on live components up to 1,000 V AC. Tested according to IEC 60900. 6 mm slimBits only to be used in the slimVario® bit holder and slimTorque VDE bit holder (VDE torque system).

#### dpvlink 21975

Article	Tip	Nm	
		max. Nm	Diameter
2831VDE.PH1	PH1	3.8 Nm	6.0 mm
2831VDE.PH2	PH2	5.5 Nm	6.0 mm

### Wiha slimBit Pozidriv - exchangeable blade VDE



For all work on live components up to 1,000 V AC. Tested according to IEC 60900. 6 mm slimBits only to be used in the slimVario® bit holder and slimTorque VDE bit holder (VDE torque system).

#### dpvlink 21978

Article	Tip	Nm	
		max. Nm	Diameter
2831VDE.PZ1	PZ1	3.8	6.0
2831VDE.PZ2	PZ2	5.5	6.0

### Wiha slimBit slotted/Phillips - exchangeable blade VDE



For all work on live components up to 1,000 V AC. Tested according to IEC 60900. 6 mm slimBits only to be used in the slimVario® bit holder and slimTorque VDE bit holder (VDE torque system).

#### dpvlink 21981

Article	Tip	Nm	
		max. Nm	Diameter
2831VDE.SL-PH1	SL/PH1	3.8	6.0
2831VDE.SL-PH2	SL/PH2	5.5	6.0

### Wiha slimBit slotted/Pozidriv - exchangeable blade VDE



For all work on live components up to 1,000 V AC. Tested according to IEC 60900. 6 mm slimBits only to be used in the slimVario® bit holder and slimTorque VDE bit holder (VDE torque system).

#### dpvlink 21984

Article	Tip	Nm	
		max. Nm	Diameter
2831VDE.SL-PZ1	SL/PZ1	3.8	6.0
2831VDE.SL-PZ2	SL/PZ2	3.8	6.0

### Wiha Torque TORX® exchangeable blade VDE



High-quality chrome-vanadium-molybdenum steel, completely hardened, burnished. Protective insulation directly sprayed onto the blade. Manufactured according to DIN EN 60900 (IEC 900), individually tested to 10,000 V

#### dpvlink 20126

Article	Tip	Nm	
		max. Nm	Diameter
2831VDE.T8	T8	1.3	6.0
2831VDE.T9	T9	1.3	6.0
2831VDE.T10	T10	3.8	6.0
2831VDE.T15	T15	5.0	6.0
2831VDE.T20	T20	5.5	6.0
2831VDE.T25	T25	5.5	6.0

# Torque screwdrivers

## Wiha slimBit hexagon - exchangeable blade VDE

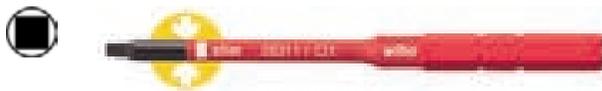


For all work on live components up to 1,000 V AC. Tested according to IEC 60900. 6 mm slimBits only to be used in the slimVario® bit holder and slimTorque VDE bit holder (VDE torque system).

dpvlink 21988

Article	Tip	Nm		Diameter
		max. Nm		
2831VDE.SK15	1.5	0.9		6.0
2831VDE.SK20	2	1.8		6.0
2831VDE.SK25	2.5	3.8		6.0
2831VDE.SK30	3	5.5		6.0
2831VDE.SK40	4	5.5		6.0
2831VDE.SK50	5	5.5		6.0
2831VDE.SK60	6	5.5		6.0

## Wiha slimBit square - exchangeable blade VDE



For all work on live components up to 1,000 V AC. Tested according to IEC 60900. 6 mm slimBits only to be used in the slimVario® bit holder and slimTorque VDE bit holder (VDE torque system).

dpvlink 21996

Article	Tip	Nm		Diameter
		max. Nm		
2831VDE.R1	#1	5.5		6.0
2831VDE.R2	#2	5.5		6.0

## Wiha TorqueVario®-S VDE torque set



5-pcs torque screwdriver set Torque. Controlled fastening on live parts up to 1,000 V AC. VDE torque handle steplessly adjustable with Torque Setter adjusting tool (included in the scope of delivery) from 1.0 - 5.0 Nm. Protective insulation molded directly onto the bit and completely integrated into the bit in the lower area.

### Scope of delivery:

- 1x torque screwdriver TorqueVario-S electric with variably adjustable torque limit, tool tested at 10,000 V AC and approved for 1,000 V AC / 0.8 - 5.0 Nm
- 1x slimBit holder electric, locked mechanically for VDE torque screwdriver with long handle
- 1x adjusting tool for torque screwdriver with long handle
- 1x SL/PZ1
- 1x SL/PZ2

### Standards:

type-tested up to 10000 V, IEC 60900, DIN EN ISO 6789

dpvlink 21959

Article	Ausführung	Bereich [Nm]
2872.TV.SET	Torque screwdriver TV set VDE, 5-piece	0.8-5.0

## Torque screwdrivers

### Wiha TorqueVario®-S torque handle



For a controlled screwing at a given torque, in combination with a Wiha Torque exchangeable blade.

- Variable torque adjustment
- Torque is adjustable using an adjusting tool (torque-setter, included in the scope of delivery)
- Numerical torque display in window scale
- Ergonomic multi-component handle, extremely handy due to light and compact design
- Handle size is optimally adapted to the torque range
- Blades are printed with the permitted maximum torque
- Blades are color-coded
- Click indicates when the set torque value has been reached
- Accuracy  $\pm 6\%$  (model 2852.TV1  $\pm 10\%$ )

### Standards:

EN ISO 6789, BS EN 26789, ASME B107.14M

dpvlink 9295

Article	Type	Range
2852.TV1	Torque handle TV1	0.1 - 0.6 Nm
2852.TV2	Torque handle TV2	0.4 - 1.0 Nm
2852.TV3	Torque handle TV3	0.8 - 2.0 Nm
2852.TV4	Torque handle TV4	1.0 - 5.0 Nm
2852.TV5	Torque handle TV5	2.0 - 8.0 Nm

### Wiha Torque slotted exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: grey.

DIN 5264, ISO 2380.

dpvlink 9313

Article	Nm max. Nm	Tip Thickness		Ø
2859.15	0.15 Nm	1.5 mm	0.25 mm	4.0 mm
2859.20	0.4 Nm	2.0 mm	0.4 mm	4.0 mm
2859.25	0.4 Nm	2.5 mm	0.4 mm	4.0 mm
2859.30	0.6 Nm	3.0 mm	0.5 mm	4.0 mm
2859.35	1.1 Nm	3.5 mm	0.6 mm	4.0 mm
2859.40	1.1 Nm	4.0 mm	0.8 mm	4.0 mm

### Wiha Torque Phillips exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: dark blue.

DIN ISO 8764-1

dpvlink 9320

Article	Tip	Nm		Ø
		max. Nm		
2859.PH000	PH000	0.4 Nm		4.0 mm
2859.PH00	PH00	0.4 Nm		4.0 mm
2859.PH0	PH0	0.9 Nm		4.0 mm
2859.PH1	PH1	3.8 Nm		4.0 mm
2859.PH2	PH2	5.5 Nm		4.0 mm

## Wiha Torque Pozidriv exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: light blue.

DIN ISO 8764-1

**dpvlink 9327**

Article	Tip	Nm max. Nm	Ø
2859.PZ0	PZ0	0.9 Nm	4.0 mm
2859.PZ1	PZ1	3.8 Nm	4.0 mm
2859.PZ2	PZ2	5.5 Nm	4.0 mm



## Wiha Torque hexagon exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: red.

**dpvlink 9331**

Article	Nm max. Nm	Tip	Ø
2859.SK15	0.9 Nm	1.5 mm	4.0 mm
2859.SK20	1.8 Nm	2.0 mm	4.0 mm
2859.SK25	3.8 Nm	2.5 mm	4.0 mm
2859.SK30	5.5 Nm	3.0 mm	4.0 mm
2859.SK40	8.0 Nm	4.0 mm	4.0 mm



## Wiha Torque hexagon ballpoint exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: red. The ballpoint allows the screwing at an angle up to 25°.

**dpvlink 9337**

Article	Nm max. Nm	Tip	Ø
2859.SKK15	0.4 Nm	1.5 mm	4.0 mm
2859.SKK20	0.9 Nm	2.0 mm	4.0 mm
2859.SKK25	2.0 Nm	2.5 mm	4.0 mm
2859.SKK30	3.8 Nm	3.0 mm	4.0 mm
2859.SKK40	8.0 Nm	4.0 mm	4.0 mm



## Wiha Torque TORX® exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: dark green.

**dpvlink 9343**

Article	Tip	Nm max. Nm	Ø
2859.TX05	TX05	0.4 Nm	4.0 mm
2859.TX06	TX06	0.6 Nm	4.0 mm
2859.TX07	TX07	0.9 Nm	4.0 mm
2859.TX08	TX08	1.3 Nm	4.0 mm
2859.TX09	TX09	2.5 Nm	4.0 mm
2859.TX10	TX10	3.8 Nm	4.0 mm
2859.TX15	TX15	5.5 Nm	4.0 mm
2859.TX20	TX20	8.0 Nm	4.0 mm
2859.TX25	TX25	8.0 Nm	4.0 mm



## Wiha Torque TORX® "MagicSpring" exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: dark green. The "MagicSpring" retaining spring holds TORX® screws tight.

**dpvlink 9361**

Article	Tip	Nm max. Nm	Ø
2859R.TX06	TX06	0.6 Nm	4.0 mm
2859R.TX07	TX07	0.9 Nm	4.0 mm
2859R.TX08	TX08	1.3 Nm	4.0 mm
2859R.TX09	TX09	2.5 Nm	4.0 mm
2859R.TX10	TX10	3.8 Nm	4.0 mm
2859R.TX15	TX15	5.5 Nm	4.0 mm
2859R.TX20	TX20	8.0 Nm	4.0 mm
2859R.TX25	TX25	8.0 Nm	4.0 mm



## Wiha Torque TORX PLUS® exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: light green.

**dpvlink 9303**

Article	Tip	Nm max. Nm	Ø
2859.05IP	05IP	0.5 Nm	4.0 mm
2859.06IP	06IP	0.8 Nm	4.0 mm
2859.07IP	07IP	1.3 Nm	4.0 mm
2859.08IP	08IP	2.0 Nm	4.0 mm
2859.09IP	09IP	3.0 Nm	4.0 mm
2859.10IP	10IP	4.5 Nm	4.0 mm
2859.15IP	15IP	6.6 Nm	4.0 mm
2859.20IP	20IP	8.0 Nm	4.0 mm
2859.25IP	25IP	8.0 Nm	4.0 mm



## Wiha Torque TORX PLUS® "Magic Spring" exchangeable blade



High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated. Wiha ChromTop® blade tip guarantees highest dimensional accuracy. Color coding: light green. The "MagicSpring" retaining spring holds TORX PLUS® screws tight.

**dpvlink 9352**

Article	Tip	Nm max. Nm	Ø
2859R.06IP	06IP	0.8 Nm	4.0 mm
2859R.07IP	07IP	1.3 Nm	4.0 mm
2859R.08IP	08IP	2.0 Nm	4.0 mm
2859R.09IP	09IP	3.0 Nm	4.0 mm
2859R.10IP	10IP	4.5 Nm	4.0 mm
2859R.15IP	15IP	6.6 Nm	4.0 mm
2859R.20IP	20IP	8.0 Nm	4.0 mm
2859R.25IP	25IP	8.0 Nm	4.0 mm



## Wiha Universal bit holder for TorqueVario-S



for all C 6.3 and E 6.3 bits, 1/4" socket

High-quality chrome-vanadium-molybdenum steel, completely hardened, matt chrome-plated, black plastic coating.

**dpvlink 9301**

Article	Type
2859	Universal bit holder for TorqueVario-S



# Electric screwdrivers

## Electric screwdrivers

## Electric screwdrivers Kilews



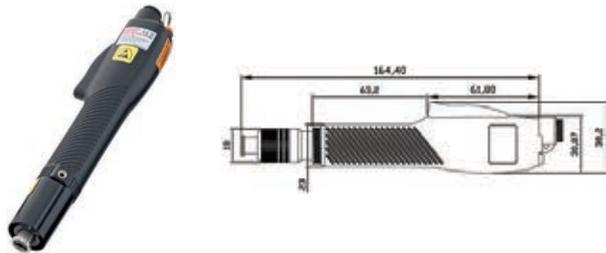
For more than 30 years Kilews has been standing for quality in professional electric tools for manufacturing and assembly facilities. Meanwhile Kilews is one of the largest manufacturers in the world. Kilews was the first manufacturer to develop the brushless technology up to 35 Nm creating thereby the conditions to meet the increasing requirements in electronics manufacturing.

### The brushless KILEWS low-voltage screwdrivers at a glance

- suitable for ESD: for sensitive components in electronics manufacturing
- suitable for cleanrooms: no ejection of carbon dust due to brushless technology
- durable: all screwdrivers have durable motors
- maintenance-free: the durable motors spare time-consuming waiting

All screwdrivers in ESD version with grounded bit.

## Electric screwdrivers B 100 series



**Low-voltage electric screwdrivers of the B 100 series** are characterized by low weight and high stability. Due to a left-hand rotation button it is possible to change the direction of rotation quickly and without great effort. The brushless screwdrivers are easy to handle and at the same time very silent.

### Technical data screwdriver:

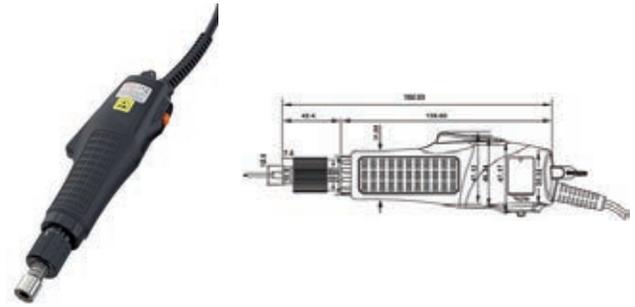
Length: 165 mm  
 Weight: 170 g  
 Voltage / power: 12 VDC / 25 W  
 Speed: 2  
 Accuracy: ±3 %  
 Bit type: C type wing shank 4 mm  
 Suitable power supply unit: SKP-12HL

Model	SKD-B100L	SKD-B100LS4	SKD-B103L	SKD-B103LS4
Start type	lever start	lever start	lever start	lever start
Torque	0.008-0.14 Nm	0.008-0.14 Nm	0.05-0.343 Nm	0.05-0.343 Nm
Idle speed High	1000	280	1000	280
Idle speed Low	700	200	700	200
Screw size thread screw	1.0-1.7	1.0-1.7	1.0-2.3	1.0-1.7
Screw size self-tapping	1.0-1.5	1.0-1.5	1.0-2.0	1.0-2.0
Netzteil/Controller	SKP-12HL			

### dpwlink 20208

Article	Type
SKD-B100L-ESD	<b>SKD-B100L-ESD electric screwdriver</b> incl. torque sleeve, without power supply unit SKP-12HL
SKD-B100LS4-ESD	<b>SKD-B100LS4-ESD electric screwdriver</b> incl. torque sleeve, without power supply unit SKP-12HL
SKD-B103L-ESD	<b>SKD-B103L-ESD electric screwdriver</b> incl. torque sleeve, without power supply unit SKP-12HL
SKD-B103LS4-ESD	<b>SKD-B103LS4-ESD electric screwdriver</b> incl. torque sleeve, without power supply unit SKP-12HL

## Electric screwdrivers BN 200 series



Due to its brushless technology the **low-voltage screwdriver of the BN 200 series** with lever start is suitable for cleanroom workplaces, as no carbon dust is ejected.

### Technical data screwdriver:

Length: 230 mm  
 Weight: 310 g  
 Voltage / power: 32 VDC / 25 W  
 Accuracy: ±3 %  
 Bit type: B type 6.35 mm  
 Power supply unit/Controller: see accessories

- Screw counting and soft start optionally available, not for SKD-BN203LS5
- 8 different speeds for SKD-BN203 available

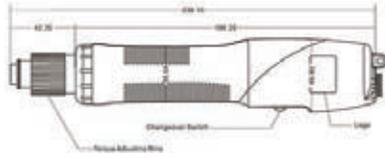
Model	SKD-BN203L	SKD-BN203LS5	SKD-BN203LS6
Start type	lever start	lever start	lever start
Torque	0.02-0.34 Nm	0.02-0.34 Nm	0.02-0.34 Nm
Idle speed High	1000	500	370
Idle speed Low	700	350	260
Screw size thread screw	1.0-2.3	1.0-2.3	1.0-2.3
Screw size self-tapping	1.0-2.0	1.0-2.0	1.0-2.0
Power supply unit/Controller	SKP-32BC-60W		

Model	SKD-BN203LS7	SKD-BN207L	SKD-BN210L
Start type	lever start	lever start	lever start
Torque	0.02-0.34 Nm	0.05-0.69 Nm	0.05-0.69 Nm
Idle speed High	230	1000	1000
Idle speed Low	160	700	700
Screw size thread screw	1.0-2.3	1.4-2.6	1.4-2.6
Screw size self-tapping	1.0-2.0	1.4-2.3	1.6-2.6
Power supply unit/Controller	SKP-32BC-60W		

### dpwlink 20302

Article	Type
SKD-BN203L-ESD	<b>SKD-BN203L-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN203LS5-ESD	<b>SKD-BN203LS5-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN203LS6-ESD	<b>SKD-BN203LS6-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN203LS7-ESD	<b>SKD-BN203LS7-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN207L-ESD	<b>SKD-BN207L-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN210L-ESD	<b>SKD-BN210L-ESD electric screwdriver</b> lever start, 32V, without control unit

## Electric screwdriver BN 500 series



The maintenance-free **low-voltage screwdrivers of the BN 500 series** are suitable for cleanroom workplaces. Screw counting function and soft start are optionally available. Together with the soft start module a model equipped with left-hand thread with soft start in the left-hand rotation is also available.

### Technical data screwdriver:

Length:	239 mm
Weight:	520 g
Voltage / power:	32 VDC / 55 W
Accuracy:	±3 %
Bit type:	B type 6.35 mm
Power supply unit/Controller:	see accessories

Model	SKD-BN512L	SKD-BN512LF	SKD-BN512LS
Start type	lever start	lever start high speed	lever start
Torque	0.15-1.18 Nm	0.15-1.18 Nm	0.15-1.18 Nm
Idle speed High	1000	2000	500
Idle speed Low	650	x	300
Screw size thread screw	1.6-3.0	1.6-3.0	x
Screw size self-tapping	1.6-2.6	1.6-2.6	x
Power supply unit/ Controller	SKP-32BC-60W, SKP-BE32HLN, SKP-BC40HLN		

Model	SKD-BN512P	SKD-BN512PF	SKD-BN517LF
Start type	push start	push start high speed	lever start high speed
Torque	0.15-1.18 Nm	0.15-1.18 Nm	0.29-1.67 Nm
Idle speed High	1000	2000	2000
Idle speed Low	650	x	x
Screw size thread screw	1.6-3.0	1.6-3.0	1.6-3.0
Screw size self-tapping	1.6-2.6	1.6-2.6	1.6-3.0
Power supply unit/ Controller	SKP-32BC-60W, SKP-BE32HL, SKP-BC40HLN		

Model	SKD-BN517PF	SKD-BN519L	SKD-BN519P
Start type	push start high speed	lever start	push start
Torque	0.29-1.67 Nm	0.29-1.86 Nm	0.29-1.86 Nm
Idle speed High	2000	1000	1000
Idle speed Low	x	650	650
Screw size thread screw	1.6-3.0	2.3-3.5	2.3-3.5
Screw size self-tapping	1.6-3.0	2.3-3.0	2.3-3.0
Power supply unit/ Controller	SKP-32BC-60W, SKP-BE32HL, SKP-BC40HLN		

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Article	Type
SKD-BN512L-ESD	<b>SKD-BN512L-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN512LF-ESD	<b>SKD-BN512LF-ESD electric screwdriver</b> lever start, high-speed, 32V, without control unit
SKD-BN512LS-ESD	<b>SKD-BN512LS-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN512P-ESD	<b>SKD-BN512P-ESD electric screwdriver</b> push start, 32V, without control unit
SKD-BN512PF-ESD	<b>SKD-BN512PF-ESD electric screwdriver</b> push start, high-speed, 32V, without control unit
SKD-BN517LF-ESD	<b>SKD-BN517LF-ESD electric screwdriver</b> lever start, high-speed, 32V, without control unit
SKD-BN517PF-ESD	<b>SKD-BN517PF-ESD electric screwdriver</b> push start, high-speed, 32V, without control unit
SKD-BN519L-ESD	<b>SKD-BN519L-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BN519P-ESD	<b>SKD-BN519P-ESD electric screwdriver</b> push start, 32V, without control unit

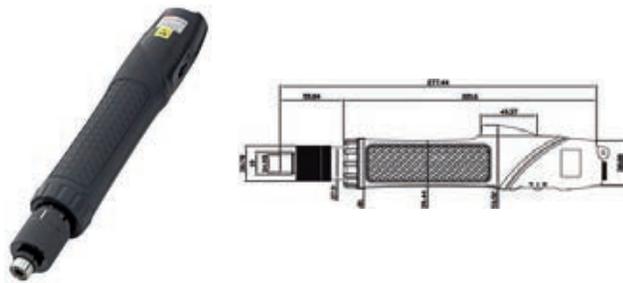


All information about the Kilews electric screwdrivers can be found in the brochure available

- as flipping book
- as download
- as printed version

# Electric screwdrivers

## Electric screwdrivers BN 800 series



The maintenance-free **low-voltage screwdrivers of the BN 7000 and BN 800 series** achieve higher speeds along with lower heating. Screw counting function and soft start are optionally available. Together with the soft start module a model equipped with left-hand thread with soft start in the left-hand rotation is also available.

### Technical data screwdriver:

Length:	278 mm
Weight:	800 g
Voltage / power:	32 VDC / 55 W
Accuracy:	±3 %
Bit type:	B type 6.35 mm
Power supply unit/Controller:	see accessories

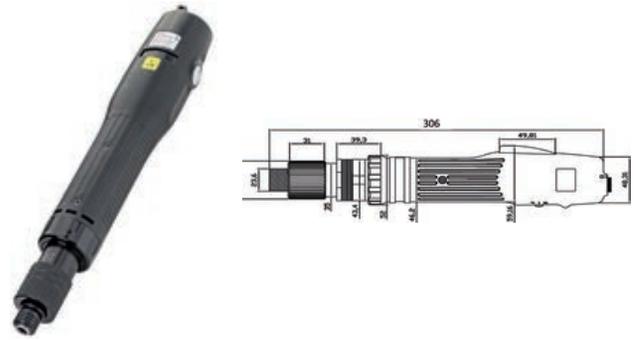
Model	SKD-BN830L	SKD-BN830P	SKD-BN830LF
Start type	lever start	push start	lever start high-speed
Torque	0.98-2.94 Nm	0.98-2.94 Nm	0.98-2.94 Nm
Idle speed High	1000	1000	2000
Idle speed Low	700	700	1600
Screw size thread screw	2.6-4.0	2.6-4.0	2.6-4.0
Screw size self-tapping	2.6-3.5	2.6-3.5	2.6-3.5
Power control unit/Controller	SKP-40B-HLN		

Model	SKD-BN830PF	SKD-BN850L	SKD-BN850P
Start type	push start	lever start	push start
Torque	0.98-2.94 Nm	1.96-4.90 Nm	1.96-4.90 Nm
Idle speed High	2000	1000	1000
Idle speed Low	1600	700	700
Screw size thread screw	2.6-4.0	4.0-5.0	4.0-5.0
Screw size self-tapping	2.6-3.5	< 4	< 4
Power supply unit/Controller	SKP-40B-HLN		

### dpvlink 20344

Article	Type	
SKD-BN830L-ESD	<b>SKD-BN830L-ESD electric screwdriver</b> lever start, 40V, without control unit	
SKD-BN830LF-ESD	<b>SKD-BN830LF-ESD electric screwdriver</b> lever start, high-speed, 40V, without control unit	
SKD-BN830P-ESD	<b>SKD-BN830P-ESD electric screwdriver</b> push start, 40V, without control unit	
SKD-BN830PF-ESD	<b>SKD-BN830PF-ESD electric screwdriver</b> push start, high-speed, 40V, without control unit	
SKD-BN850L-ESD	<b>SKD-BN850L-ESD electric screwdriver</b> lever start, 40V, without control unit	
SKD-BN850P-ESD	<b>SKD-BN850P-ESD electric screwdriver</b> push start, 40V, without control unit	

## Electric screwdrivers BK 900 series



**Low-voltage screwdrivers of the BK 900 series** achieve higher speeds along with lower heating. Screw counting function and soft start are optionally possible with soft start module. Suitable for cleanroom workplaces, as no carbon dust is ejected.

### Technical data screwdriver:

Length:	306 mm
Weight:	1030 g
Voltage / power:	40 VDC / 260 W
Accuracy:	±5 %
Bit type:	B type 6.35 mm
Power supply unit/Controller:	see accessories

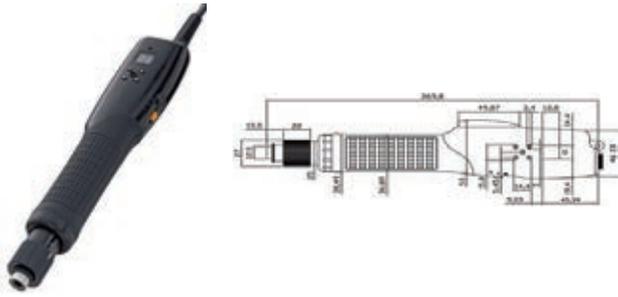
Model	SKD-BK960L	SKD-BK960P	SKD-BK990L
Start type	lever start	push start	lever start
Torque	2-6 Nm	2-6 Nm	3-9 Nm
Idle speed	700-1000	700-1000	750-1000
Screw size thread screw	2.6-4.0	2.6-4.0	2.6-4.0
Screw size self-tapping	2.6-3.5	2.6-3.5	2.6-3.5
Power supply unit/Controller	SKP-40B-HL-800, SKP-BC40HL-800 V3.0/3.1		

Model	SKD-BK990P	SKD-BK9120L	SKD-BK9120P
Start type	push start	lever start	push start
Torque	3-9 Nm	6-12 Nm	6-12 Nm
Idle speed	750-1000	660-880	660-880
Screw size thread screw	2.6-4.0	4.0-5.0	4.0-5.0
Screw size self-tapping	2.6-3.5	<4	<4
Power supply unit/Controller	SKP-40B-HL-800, SKP-BC40HL-800 V3.0/3.1		

### dpvlink 22903

Article	Type	
SKD-BK960L-ESD	<b>SKD-BK960L-ESD electric screwdriver</b> lever start, 40V, without control unit	
SKD-BK960P-ESD	<b>SKD-BK960P-ESD electric screwdriver</b> push start, 40V, without control unit	
SKD-BK990L-ESD	<b>SKD-BK990L-ESD electric screwdriver</b> Lever start 40V, without control unit	
SKD-BK990P-ESD	<b>SKD-BK990P-ESD electric screwdriver</b> Push start, 40V, without screwdriver	
SKD-BK9120L-ESD	<b>SKD-BK9120L-ESD electric screwdriver</b> Lever start, 40V, without control unit	
SKD-BK9120P-ESD	<b>SKD-BK9120P-ESD electric screwdriver</b> Lever start, 40V, without control unit	

## Electric screwdrivers BE 200 series



All settings of the **low-voltage screwdrivers of the BE 200 series** like quantity of screws, minimum and maximum time are adjusted at the screwdriver. The min/max values of the fastening time are measured by means of the auto-learn function and automatically stored in the screwdriver.

### Technical data screwdriver:

Length:	240 mm
Weight:	330 g
Voltage / power:	32 VDC / 25 W
Accuracy:	±3 %
Bit type:	B type 6.35 mm
Power supply unit/Controller:	see accessories

- Integrated screw counting function (with inverse counting) and fastening time control (1 - 99 screws, 0.01 - 9.9 seconds)
- Automatic left-hand rotation after torque shut-off adjustable

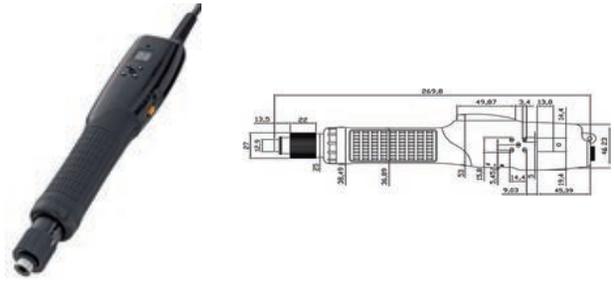
Model	SKD-BE203L	SKD-BE207L	SKD-BE210L	SKD-BE210P
Start type	lever start	lever start	lever start	push start
Torque	0.02-0.34 Nm	0.05-0.69 Nm	0.10-0.98 Nm	0.10-0.98 Nm
Idle speed High	1000	1000	1000	1000
Idle speed Low	700	700	700	700
Screw size thread screw	1.0-2.3	1.4-2.6	1.6-3.0	1.6-3.0
Screw size self-tapping	1.0-2.0	1.4-2.3	1.6-2.6	1.6-2.6
Power supply unit/ Controller	SKP-32BC-60W			

### dpvlink 20216

Article	Type
SKD-BE203L-ESD	<b>SKD-BE203L-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BE207L-ESD	<b>SKD-BE-207L-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BE210L-ESD	<b>SKD-BE-210L-ESD electric screwdriver</b> lever start, 32V, without control unit
SKD-BE210P-ESD	<b>SKD-BE-210P-ESD electric screwdriver</b> push start, 32V, without control unit



## Electric screwdrivers BE 500 series



All settings of the **low-voltage screwdrivers of the BE 500 series** like quantity of screws, minimum and maximum time are adjusted at the screwdriver. The min/max values of the fastening time are measured by means of the auto-learn function and automatically stored in the screwdriver.

### Technical data screwdriver:

Length:	270 mm
Weight:	580 g
Voltage / power:	32 VDC / 55 W
Accuracy:	±3 %
Bit type:	B type 6.35 mm
Power supply unit/Controller:	see accessories

- Integrated screw counting function (with inverse counting) and fastening time control (1 - 99 screws, 0.01 - 9.9 seconds)
- Automatic left-hand rotation after torque shut-off adjustable

Model	SKD-BE512P	SKD-BE519P
Start type	push start	push start
Torque	0.2-1.2 Nm	0.3-1.86 Nm
Idle speed High	1000	1000
Idle speed Low	650	650
Screw size thread screw	1.6-3.0	2.3-3.5
Screw size self-tapping	1.6-2.6	2.3-3.0
Power supply unit/ Controller	SKP-32BC-60W	

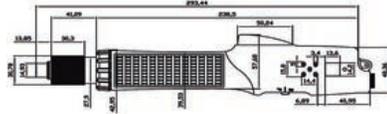
### dpvlink 20265

Article	Type
SKD-BE512P-ESD	<b>SKD-BE512P-ESD electric screwdriver</b> push start, 32V, without control unit
SKD-BE519P-ESD	<b>SKD-BE519P-ESD electric screwdriver</b> push start, 32V, without control unit



# Electric screwdrivers

## Electric screwdrivers BE 800 series



All settings of the **low-voltage screwdrivers of the BE 800 series** like quantity of screws, minimum and maximum time are adjusted at the screwdriver. The min/max values of the fastening time are measured by means of the auto-learn function and automatically stored in the screwdriver.

### Technical data screwdriver:

Length:	294 mm
Weight:	820 g
Voltage / power:	40 VDC / 90 W
Accuracy:	±3 %
Bit type:	B type 6.35 mm
Power supply unit/Controller:	see accessories

- Integrated screw counting function (with inverse counting) and fastening time control (1 - 99 screws, 0.01 - 9.9 seconds)

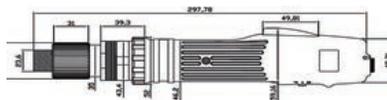
Model	SKD-BE850L
Start type	lever start
Torque	1.96-4.90 Nm
Idle speed	700-1000
Screw size thread screw	4.5-5.0
Screw size self-tapping	< 4
Power supply unit/Controller	SKP-40B-HLN

### dpmlink 20284

Article	Type
SKD-BE850L-ESD	<b>SKD-BE850L-ESD electric screwdriver</b> lever start, 40V, without control unit



## Electric screwdrivers RBK series



**Low-voltage screwdrivers of the RBK series** achieve higher speeds along with lower heating. Screw counting function and soft start are optionally possible with soft start module. Suitable for cleanroom workplaces, as no carbon dust is ejected.

### Technical data screwdriver:

Length:	298 mm
Voltage:	40 VDC
Accuracy:	±5 %
Bit type:	B type 6.35 mm
Power supply unit/Controller:	see accessories

Model	SKD-RBK60L	SKD-RBK60P	SKD-RBK90L	SKD-RBK90P
Start type	lever start	push start	lever	push start
Power	100W	100W	120W	120W
Torque	2-6 Nm	2-6 Nm	3-9 Nm	3-9 Nm
Idle speed	700-1000	700-1000	550-800	550-800
Screw size thread screw	4.0-5.0	4.0-5.0	5.0-6.0	5.0-6.0
Screw size self-tapping	<4	<4	<4.5	<4.5
Weight	1250 g			
Power supply unit/Controller	SKP-40BC-HL-800			

Model	SKD-RBK120L	SKD-RBK120P	SKD-RBK180L	SKD-RBK180P
Start type	lever start	push start	lever start	push start
Power	120W	120W	200W	200W
Torque	4-12 Nm	4-12 Nm	6-18 Nm	6-18 Nm
Idle speed	380-550	380-550	240-350	240-350
Screw size thread screw	<8	<8	<10	<10
Screw size self-tapping	<6	<6	<8	<8
Weight	1250 g			
Power supply unit/Controller	SKP-40BC-HL-800			

Model	SKD-RBK250L	SKD-RBK250P	SKD-RBK350L	SKD-RBK350P
Start type	lever start	push start	level start	push start
Power	260W	260W	260W	260W
Torque	8-25 Nm	8-25 Nm	12-35 Nm	12-35 Nm
Idle speed	240-350	240-350	240-350	240-350
Screw size thread screws	<8	<8	<10	<10
Screw size self-tapping	<6	<6	<8	<8
Weight	1450 g		2200 g	
Power supply unit/Controller	SKP-40BC-HL-800			

### dpmlink 20371

Article	Type
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SKD-RBK60L-ESD **SKD-RBK60L-ESD electric screwdriver**  
without control unit

SKD-RBK60P-ESD **SKD-RBK60P-ESD electric screwdriver**  
lever start, 40V, without control unit

SKD-RBK90L-ESD **SKD-RBK90L-ESD electric screwdriver**  
without control unit

SKD-RBK90P-ESD **SKD-RBK90P-ESD electric screwdriver**  
lever start, 40V, without control unit

SKD-RBK120L-ESD **SKD-RBK120L-ESD electric screwdriver**  
lever start, 40V, without control unit

SKD-RBK120P-ESD **SKD-RBK120P-ESD electric screwdriver**  
push start, 40V, without control unit

SKD-RBK180L-ESD **SKD-RBK180L-ESD electric screwdriver**  
lever start, 40V, without control unit

SKD-RBK180P-ESD **SKD-RBK180P-ESD electric screwdriver**  
push start, 40V, without control unit

SKD-RBK250L-ESD **SKD-RBK250L-ESD electric screwdriver**  
without control unit

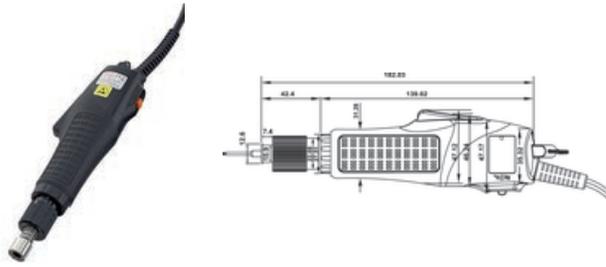
SKD-RBK250P-ESD **SKD-RBK250P-ESD electric screwdriver**  
push start, 40V, without control unit

SKD-RBK350L-ESD **SKD-RBK350L-ESD electric screwdriver**  
lever start, 40V, without control unit

SKD-RBK350P-ESD **SKD-RBK350P-ESD electric screwdriver**  
without control unit



## Electric screwdrivers BNK series



Low-voltage screwdrivers of the BNK series achieve higher speeds along with lower heating.

### Technical data screwdriver:

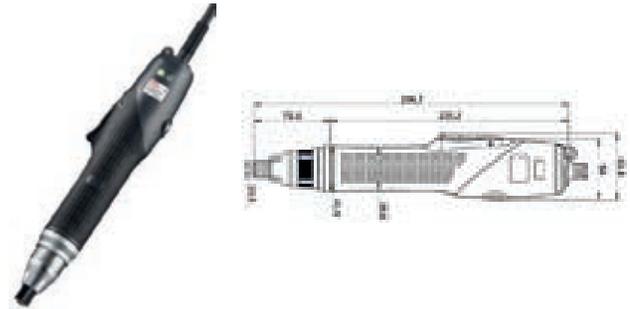
Length:	182 mm
Voltage:	32 VDC
Accuracy:	±5 %
Bit type:	B type 6.35 mm

[dpvlink 22478](#)



Article	Type
SKD-BNK203L-ESD	<b>SKD-BNK203L-ESD Electric screwdriver</b> lever start, 32V, without control unit
SKD-BNK207L-ESD	<b>SKD-BNK207L-ESD Electric screwdriver</b> lever start, 32V, without control unit
SKD-BNK210L-ESD	<b>SKD-BNK210L-ESD Electric screwdriver</b> lever start, 32V, without control unit
SKD-BNK512L-ESD	<b>SKD-BNK512L-ESD Electric screwdriver</b> lever start, 32V, without control unit
SKD-BNK512LF-ESD	<b>SKD-BNK512LF-ESD Electric screwdriver</b> lever start, high-speed, 32V, without control unit
SKD-BNK512P-ESD	<b>SKD-BNK512P-ESD Electric screwdriver</b> push start, 32V, without control unit
SKD-BNK512PF-ESD	<b>SKD-BNK512PF-ESD Electric screwdriver</b> push start, high-speed, 32V, without control unit
SKD-BNK517LF-ESD	<b>SKD-BNK517LF-ESD Electric screwdriver</b> lever start, high-speed, 32V, without control unit
SKD-BNK517PF-ESD	<b>SKD-BNK517PF-ESD Electric screwdriver</b> push start, high-speed, 32V, without control unit
SKD-BNK519L-ESD	<b>SKD-BNK519L-ESD Electric screwdriver</b> lever start, 32V, without control unit
SKD-BNK519P-ESD	<b>SKD-BNK519P-ESD Electric screwdriver</b> push start, 32V, without control unit
SKD-BNK830L-ESD	<b>SKD-BNK830L-ESD Electric screwdriver</b> lever start, 32V, without control unit
SKD-BNK830P-ESD	<b>SKD-BNK830P-ESD Electric screwdriver</b> push start, 32V, without control unit
SKD-BNK850L-ESD	<b>SKD-BNK850L-ESD Electric screwdriver</b> lever start, 32V, without control unit
SKD-BNK850P-ESD	<b>SKD-BNK850P-ESD Electric screwdriver</b> push start, 32V, without control unit
SKD-BNK9120L-ESD	<b>SKD-BNK9120L-ESD Electric screwdriver</b> lever start, 32V, without control unit

## Electric screwdriver CG series



Intelligent screw system with torque and angle monitoring, screw counting and process monitoring and integrated screw hole lighting with white LEDs. Torque steplessly adjustable.

### Technical data screwdriver:

Length:	297 mm
Weight:	830 g
Voltage / power:	40 VDC / 90 W
Bit type:	B type 6.35 mm

Model	SKT-CG30	SKT-CG50	SKT-CG70
Start type	lever / push start	lever / push start	lever / push start
Torque	0.3-3.0 Nm	0.5-5.0 Nm	0.8-7.0 Nm
Speed max.	1600	1100	660
Supply unit/controller	SKT-KL-TCG		

[dpvlink 24714](#)



Article	Type
SKT-CG30-ESD	<b>SKT-CG30-ESD EC Electric screwdriver CG series</b> lever and push start, without control unit
SKT-CG50-ESD	<b>SKT-CG50-ESD EC Electric screwdriver CG series</b> lever and push start, without control unit
SKT-CG70-ESD	<b>SKT-CG70-ESD EC Electric screwdriver CG series</b> lever and push start, without control unit

## Straight cordless screwdriver SKC-PTA-BS series



ESD industrial quality with high repeat accuracy and included battery monitoring, can be compared to corded electric screwdrivers. The brushless motor technology is durable and maintenance-free.

### Technical data of the screwdriver SKC-PTA-BS12/12S1:

**Length:** 225 mm (without battery)  
**Diameter:** 60 mm (without battery)  
**Voltage / power:** 7.2 VDC / 25 W  
**Bit type:** B type 6.35 mm

Length: 225 mm (without battery)  
 Diameter: 60 mm (without battery)  
 Voltage / power: 7.2 VDC / 25 W  
 Bit type: B type 6.35 mm

### Technical data of the screwdriver SKC-PTA-BS20/30/40:

**Length:** 270 mm (without battery)  
**Diameter:** 60 mm (without battery)  
**Voltage / power:** 10.8 VDC / 25 W  
**Bit type:** B type 6.35 mm

### Technical data of the screwdriver SKC-PTA-BS20/30/45P:

**Length:** 300 mm (without battery)  
**Diameter:** 60 mm (without battery)  
**Voltage / power:** 10.8 VDC / 25 W  
**Bit type:** B type 6.35 mm

Model	SKC-PTA-BS12-ESD	SKC-PTA-BS12S1-ESD
Torque	0.2-1.2 Nm	0.2-1.2 Nm
Idle speed High	1000	500
Idle speed Low	700	350
Charger	SKC-P25W	
Weight	0.53 kg without battery	
Battery	SKC-LB0725S	

Model	SKC-PTA-BS20-ESD	SKC-PTA-BS30-ESD	SKC-PTA-BS45-ESD
Torque	0.3-2.0 Nm	0.8-3.0 Nm	1.5-4.5 Nm
Idle speed High	1200	1200	700
Idle speed Low	850	850	500
Charger	SKC-P50W-S		
Batteries	SKC-LB1025S		

Model	SKC-PTA-BS20P-ESD	SKC-PTA-BS30P-ESD	SKC-PTA-BS45P-ESD
Torque	0,5-2,0 Nm	1,0-3,0 Nm	2,0-4,5 Nm
Idle speed High	1200	1200	700
Idle speed Low	-	-	-
Charger	SKC-P50WN-S		
Weight	0.7 kg without battery		
Battery	SKC-LB1025S		

dpvlink 22983



Article Type  
 SKC-PTA-BS12-ESD **SKC-PTA-BS12-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BS12S1-ESD **SKC-PTA-BS12S1-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BS20-ESD **SKC-PTA-BS20-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

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Article Type  
 SKC-PTA-BS30-ESD **SKC-PTA-BS30-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BS45-ESD **SKC-PTA-BS45-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BS20P-ESD **SKC-PTA-BS20P-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BS30P-ESD **SKC-PTA-BS30P-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BS45P-ESD **SKC-PTA-BS45P-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

## Accessories for cordless screwdriver SKC-PTA-BS series



dpvlink 22987



Article Type  
 SKC-LB1030S **Replacement battery for SKC-PTA-BS/BT20/30/45**  
 SKC-P25W **Charger for PTA-BS12/12S1**  
 SKC-P50W-S **Charger for SKC-PTA-BS20/30/45**

## Cordless screwdriver series SKC-PTA-BT



ESD industrial quality with high repeat accuracy and included battery monitoring, can be compared to corded electric screwdrivers. The brushless motor technology is durable and maintenance-free.

### Technical data of the screwdriver SKC-PTA-BT20FB/30B/45B:

**Length:** 225 mm (without battery)  
**Diameter:** 60 mm (without battery)  
**Voltage:** 10.8 V DC  
**Bit type:** B type 6.35 mm

dpvlink 26384



Article Type  
 SKC-PTA-BT20FB-ESD **SKC-PTA-BT20FB-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BT30B-ESD **SKC-PTA-BT30B-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

SKC-PTA-BT45B-ESD **SKC-PTA-BT45B-ESD Straight cordless screwdriver**  
 incl. 1 battery SKC-LB1025S  
 stepless torque setting  
 charger not included in the scope of delivery

## Control units Kilews

### Power supply units for brushless low-voltage screwdrivers



Using the Kilews control units helps you to achieve absolutely faultless screwings. Improve the product quality and process reliability and support thus your quality management.

dpvlink 20329



Article	Type
SKP-32BC-60W	<b>Power supply unit for SKD-BN200 / BN500</b> 100-240V AC, output 40V DC, 213 x 131 x 65 mm, 0.25 kg
SKP-BC40HL-800.V4.0	<b>Power supply unit for SKD-RBK / TBK / BK900</b> with counting and writing function 100-240V AC, reverse output 24V / 32V / 40V DC, 213 x 131 x 65 mm, 1.8 kg
SKP-BC40HL-800.V4.1	<b>Power supply unit for SKD-RBK / TBK / BK900</b> with counting and writing function inputs: sensor/release, reset, start, external program selection 100-240V AC, output 24V / 32V / 40V DC, 213 x 131 x 65 mm, 1.8 kg
SKP-BC40HLN-V4.0	<b>Power supply unit for SKD-BN200 / BN500 / BN800</b> with counting and writing function inputs: sensor/release, reset, start, reverse 100-240V AC, output 24V / 32 / 40V DC, 213 x 131 x 65 mm, 1.8 kg
SKP-BC40HLN-V4.1	<b>Power supply unit for SKD-BN200 / BN500 / BN800</b> with counting and writing function inputs: sensor/release, reset, start, external program selection 100-240V AC, output 24V / 32 / 40V DC, 213 x 131 x 65 mm, 1.8 kg
SKP-40B-HL-800	<b>Power supply unit for SKD-BK900 / RBK</b> 100-240V AC, output 24V / 32V / 40V DC, 213 x 131 x 65 mm, 1.8 kg
SKP-40B-HLN	<b>Power supply unit for SKD-BN800 / BE800</b> 100-240V AC, output 40V DC, 213 x 131 x 65 mm, 1.8 kg
SKP-BE32HLN	<b>Power supply unit for SKD-BN500LF / BN500PF / BN700</b> 100-240V AC, output LO 24V / HI 32V DC, 200 x 80 x 66 mm, 0.46 kg
SKP-12HL	<b>Power supply unit for SKD-B 100</b> 100-240V AC, output voltage: 9V DC / 12V DC, 100 x 50 x 35 mm, weight 0.15 kg

### Control unit KL-MCTDS5



KL-MCTDS5 Control unit with fastening time monitoring and counting function for 5 screwdrivers.



- torque display for electric screwdrivers with torque clutch
- up to 5 screwdrivers with one control unit
- counting function, fastening time monitoring and output signals
- torque display for every screwdriver
- data output of the measured data on PC or server

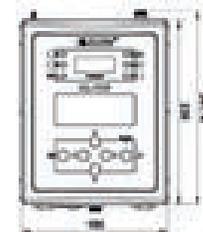
Model	KL-MCTDS5
Input voltage	DC 32/40 V
Output voltage	DC 40V/32V/24V 5.5A/6.9A/9.2A
Counting range	1-99 screws
Soft start time	0-9.9 s
Soft start speed	30% - 85% of the maximal speed
Inputs	Sensor, release, reverse, confirm
Outputs	IO, NIO, sum IO, Stop
Serial interface	2 x RS232

dpvlink 23967



Article Type  
KL-MCTDS5 **Control unit for SMART Tools 5-fold**  
can be used with all screwdrivers of the series SKD-BNK

### Controller for SKT-CG series



#### Technical data:

Dimensions:	185 x 214 x 147 mm
Weight:	3.7 kg
Input voltage:	100 - 200 V AC
Output voltage:	24 V DC / 25 W
Inputs:	Start / Forward / Reverse / Disable / Confirm
Outputs:	OK / NG / OK ALL / Start / Reverse
Serial interface:	RS-232X2, Micro SD, LAN

dpvlink 24720



Article Type  
SKT-KL-TCG **Controller for SKT-CG series**  
100-240V AC, output 24V DC, 185 x 214 x 147 mm, 3.7 kg

## Accessories Kilews

### Soft start module KL-SSBN



Soft start module for brushless screwdrivers is suitable for SKD-BN200, SKD-BN500, SKD-BN800, SKD-RBK/TBN. Soft start is automatically disabled in the left-hand rotation.

- adjustable from 0.1 - 9.9 secondes
- Speed adjustable 30% - 100%
- Output signals for right-hand rotation, left-hand rotation, shut-off 24V DC, 200mA
- Optionally with separately adjustable soft start for right-hand and left-hand rotation

dpwlink 26700

Article	Type
SKZ-KL-SSBN	Soft start module KL-SSBN

### Torque display KL-CTDS

In combination with a Kilews SKD-BNK or SKD-RBK screwdriver the torque reached by the coupling is measured and displayed.



- process monitoring and data archiving possible
- E/A interface for controlling the screwdriver and connection to superordinated controls
- soft start function
- fastening time monitoring and screw counting function

Model	KL-CTDS
Input voltage	DC 32/40 V
Output voltage	DC 40V/32V/24V 5.5A/6.9A/9.2A
Counting range	1-99 screws
Soft start time	0-9.9 s
Soft start speed	30% - 85% of the maximal speed
Inputs	Sensor, release, reverse, confirm
Outputs	IO, NIO, sum IO, Stop
Serial interface	2 x RS232

dpwlink 23965

Article	Type
KL-CTDS	<b>KL-CTDS Torque display module</b> can be used with all screwdrivers of the series SKD-BNK 200 / 500 / 800 / 900 / RBNK / TBNK

### Angular head KL 90°



Angular heads 90° for screwdrivers with lever start by Kilews, 1/4" hexagon

dpwlink 20617

Article	Type
SKZ-KL-1	<b>Angle head KL-1 90°</b> only for screwdrivers with lever start suitable for SKD-BN800, SKD-7000, SKD-8000, SK-82 and SK-92 series
SKZ-KL-2	<b>Angle head KL-2 90°</b> only suitable for screwdrivers with lever start, suitable for SKD BE 500
SKZ-KL-3B	<b>Angle head KL-3b 90°</b> only suitable for screwdrivers with lever start, suitable for SKD RBK

### Pistol handle ESD



Pistol handles for lever and push start models

- easy to attach
- can be retrofitted at any time

dpwlink 25213

Article	Type
SKZ-LG-11S	<b>Pistol handle for series SKD BE 500 ESD lever start</b> only for lever start screwdrivers series SKD-BE500 ESD
SKZ-PG-11S	<b>Pistol handle for series SKD BE 500 ESD push start</b> only for push start screwdrivers series SKD-BE500 ESD
SKZ-LG-10S	<b>Pistol handle for series SKD BN 500 ESD lever start</b> only for lever start screwdrivers series SKD-BN500 ESD
SKZ-LG-12S	<b>Pistol handle for series SKD BE 800 ESD lever start</b> only for lever start screwdrivers series SKD-BE800 ESD
SKZ-PG-12S	<b>Pistol handle for series SKD BE 800 ESD push start</b> only for push start screwdrivers series SKD-BE800 ESD
SKZ-LG-8S	<b>Pistol handle for series SKD BN 800 ESD lever start</b> only for lever start screwdrivers series SKD-BN800 ESD
SKZ-PG-8S	<b>Pistol handle for series SKD BN 800 ESD push start</b> only for push start screwdrivers series SKD-BN800 ESD
SKZ-LG-13S	<b>Pistol handle for series SKD-BK900 ESD lever start</b> only for lever start screwdrivers series SKD-BK900 ESD
SKZ-LG-15S	<b>Pistol handle for series SKT CG ESD</b> only for screwdrivers series SKT-CG ESD

### ESD torque sleeve



ESD torque sleeve as adjustment protection for the torque of Kilews screwdrivers

dpwlink 20615

Article	Type
SKZ-KC-2S	<b>Torque sleeve ESD KC-2S</b> ESD plastic black suitable for SKD BN 700 and BE 700 series
SKZ-KC-6S	<b>Torque sleeve ESD KC-6S</b> ESD plastic black suitable for SKD BN 500 and BE 500
SKZ-KC-7S	<b>Torque sleeve ESD KC-7S</b> ESD plastic black suitable for SKD BN 800 and BE 800 series
SKZ-KC-9S	<b>Torque sleeve ESD KC-9S</b> ESD plastic black suitable for SKD B 100 series
SKZ-KC-22A	<b>Torque sleeve ESD KC-22A</b> ESD plastic black suitable for SKD RBK series
SKZ-A29096	<b>Aluminium torque sleeve A29096</b> suitable for series SKD BN 500 and BE 500
SKZ-A29097	<b>Aluminium torque sleeve A29097</b> suitable for series BN 800 and BE 800

### ESD torque adjustment aid



ESD-compliant torque adjustment aid made of stainless steel. Available for Kilews screwdrivers of BN and BE series

dpwlink 20614

Article	Type
SKZ-KW-1	<b>Torque adjustment aid ESD</b> for SKD BN 700 / BE 700 and BN 800 / BE 800 series
SKZ-KW-3	<b>Torque adjustment aid ESD</b> for SKD BN 500 / BE 500 series
SKZ-KW-4	<b>Torque adjustment aid ESD</b> for SKD BN 200 / BE 200 series

## Tool holder



Tool holder for manually operated electric screwdrivers. Available as holder with or without pivoting device.

dpvlink 20616



Article	Type
SKZ-KH-2	<b>Tool holder KH-2</b> suitable for low-voltage screwdrivers series SKD BN 800 and BE 800
SKZ-KH-4	<b>Tool holder KH-4</b> suitable for low-voltage screwdrivers series SKD BN 500 and BE 500
SKZ-KH-5	<b>Tool holder KH-5</b> suitable for low-voltage screwdrivers series SKD BN 200 and BE 200
SKZ-KH-6	<b>Tool holder KH-6</b> with pivoting holder and plastic insert suitable for low-voltage screwdrivers series SKD BN 800 and BK 900
SKZ-KH-7	<b>Tool holder KH-7</b> with pivoting holder and plastic insert suitable for low-voltage screwdrivers series RBK

## Electric screwdrivers Delvo



### Delvo Electric screwdriver DLV7321 / DLV7331 BKE

Torque range 0.05 - 1.18 nm

Lever Starter  
DLV 7321  
DLV 7331



The control of the electric screwdriver takes place via a separate control unit with speed preselection and soft start regulation.

The DLV 7321 starts progressively, i.e. the rotation starts slowly and speeds up automatically. Thus, damages of sensitive screw heads are largely avoided.

#### Technical data screwdriver:

Length / handle:	215 mm / 32 mm
Weight:	350 g
Voltage / output:	36 VDC / 26 W
Speed:	
DLV 7321	steplessly 700-1000 rpm
DLV 7331	steplessly 500-700 rpm
Torque setting range:	
DLV 7321	steplessly 0.05 - 0.49 nm
DLV 7331	steplessly 0.29 - 1.18 nm
Repeat accuracy:	3 %
Tool holder:	1/4" hexagon

#### Technical data control unit DLC-1213:

Input / output voltage:	220 / 240 VAC, 50-60 Hz / 24 VDC
Dimensions:	143 x 145 x 105 mm
Weight:	1.7 kg

dpvlink 3431



Article	Type
461.300	<b>DLV-7321-BKE electric screwdriver ESD</b> with lever start, without control unit
461.310	<b>DLV-7331-BKE electric screwdriver ESD</b> With lever start, without control unit

# Electric screwdrivers

## Delvo Electric screwdriver DLV 75.. / 85..

Torque range 0,49 - 4.41 nm



**Lever Starter**  
DLV 7530  
DLV 7540  
DLV 7550

**Push Starter**  
DLV 8530  
DLV 8540  
DLV 8550

The electric screwdrivers DLV 7530/40/50 with lever start and DLV 8530/40/50 with push start have been designed to solve specific screwing problems. All operating and functional units are integrated into the handpiece. The screwdrivers offer all preconditions for serial production work in assembly.

### Technical data:

Length / handle:	257 mm / 39.5 mm
Weight:	650 g
Voltage / output:	34 VDC / 36 W
Speed:	DLV 7530 / 8530 1200 rpm DLV 7540 / 8540 800 rpm DLV 7550 / 8550 500 rpm.

### Torque setting range:

DLV 7530 / 8530	steplessly 0.49 - 1.67 nm
DLV 7540 / 8540	steplessly 1.18 - 2.65 nm
DLV 7550 / 8550	steplessly 1.96 - 4.41 nm
Repeat accuracy:	3 %
Tool holder:	1/4" hexagon

**dpvlink 3492**

Article	Type
462.400	<b>DLV 8530 electric screwdriver</b> with push start, without control unit
462.400.ESD	<b>DLV 8530 Electric screwdriver ESD</b> with push start, without control unit
462.400.H	<b>DLV 7530 electric screwdriver</b> with lever start, without control unit
462.400.H.ESD	<b>DLV 7530 Electric screwdriver ESD</b> with lever start, without control unit
462.410	<b>DLV 8540 electric screwdriver</b> with push start, without control unit
462.410.ESD	<b>DLV 8540 Electric screwdriver ESD</b> with push start, without control unit
462.410.H	<b>DLV 7540 electric screwdriver</b> with lever start, without control unit
462.410.H.ESD	<b>DLV 7540 Electric screwdriver ESD</b> with lever start, without control unit
462.420	<b>DLV 8550 electric screwdriver</b> with push start, without control unit
462.420.ESD	<b>DLV 8550 Electric screwdriver ESD</b> with push start, without control unit
462.420.H	<b>DLV 7550 electric screwdriver</b> with lever start, without control unit
462.420.H.ESD	<b>DLV 7550 Electric screwdriver ESD</b> with lever start, without control unit

## Control units Delvo

**dpvlink 25701**

Article	Type
461.350	<b>DLC-1213 control unit (230VAC / 24VDC)</b> with soft start and speed preselection for screwdrivers DLV 7321, 7331
462.451	<b>DLC-4511 GGB control unit 230 VAC / 34 V</b> with soft start and speed control for screwdrivers DLV 7530, 7540, 7550, 8530, 8540, 8550

## Accessories Delvo

**dpvlink 3439**

Article	Type
461.620	<b>Torque adjustment protection/cap for DLV 73..</b>
462.620	<b>Torque adjustment protection/cap for DLV-75.../ 85..</b>

## Accessories electric screwdrivers

### Balancer

Balancer with rope pull-in with steplessly adjustable load capacity. Very durable, excellent balancing performance.

**dpvlink 20618**

Article	Type
SKZ-RW-3	<b>Spring balancer 1.0 - 3.0 kg</b> Load capacity 1.0 - 3.0 kg rope length 2 m
SKZ-TW-06R	<b>Spring balancer 0.2 - 0.6 kg</b> Load capacity 0.2 - 0.6 kg rope length 1.5 m
SKZ-TW-1R	<b>Spring balancer 0.5 - 1.5 kg</b> Load capacity 0.5 - 1.5 kg rope length 1.5 m

### ESD screw tray



ESD vibrating screen / screw tray for different screws

**dpvlink 20613**

Article	Type
SKZ-KB-1-ESD	<b>ESD screw tray M1.7 - 2.0</b>
SKZ-KB-2-ESD	<b>ESD screw tray M2.0 - 2.8</b>
SKZ-KB-3-ESD	<b>ESD screw tray M3.0 - 4.0</b>

## Support arm and torque support

### KDA telescopic torque supports



**Telescopic torque supports KDA of carbon** are very lightweight and flexible. Avoid symptoms of fatigue and injuries by ergonomic working. Screw even high torques in a safe and uncomplicated way.

- Series KDA suitable for straight screwdrivers or screwdrivers with pistol grip
- Series KDA suitable for screwdrivers with angle head 90°
- tool holder already included
- supports torques / reaction torques perpendicular to its axis
- durable and maintenance-free carbon tubes
- stressless ergonomic working
- mounting of balancers and spring balancers directly on the arm



#### Series KDA

##### Technical data:

Article	Torque	Length min	Length max	Tool Ø
KDA15-0600	15 Nm	350 mm	664 mm	23-44 mm
KDA15-1000	15 Nm	510 mm	1120 mm	23-44 mm
KDA15-2000	15 Nm	835 mm	2119 mm	23-44 mm
KDA40-1000	40 Nm	517 mm	1127 mm	32-47 mm
KDA40-1500	40 Nm	684 mm	1628 mm	32-47 mm
KDA40-2000	40 Nm	852 mm	2132 mm	32-47 mm
KDA80-1000	80 Nm	528 mm	1140 mm	32-47 mm
KDA80-1500	80 Nm	695 mm	1641 mm	32-47 mm

#### KDAA

##### Technical data:

Article	Torque	Length min	Length max	Tool Ø
KDA-a15-0600	15 Nm	414 mm	665 mm	23-44 mm
KDA-a15-1000	15 Nm	503 mm	1123 mm	23-44 mm
KDA-a15-1500	15 Nm	668 mm	1618 mm	23-44 mm
KDA-a15-2000	15 Nm	835 mm	2119 mm	23-44 mm
KDA-a40-1000	40 Nm	505 mm	1120 mm	32-47 mm
KDA-a40-1500	40 Nm	684 mm	1628 mm	32-47 mm
KDA-a40-2000	40 Nm	862 mm	2142 mm	32-47 mm
KDA-a80-1000	80 Nm	528 mm	1140 mm	32-47 mm
KDA-a80-1500	80 Nm	695 mm	1641 mm	32-47 mm

#### dpvlink 20466

Article	Type
KDA15-0600	<b>Carbon torque support 15 Nm</b> Length min 350 mm, length max 664 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA15-1000	<b>Carbon torque support 15 Nm</b> Length min 510 mm, length max 1120 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA15-1500	<b>Carbon torque support 15 Nm</b> Length min 665 mm, length max 1610 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>

#### dpvlink 20466



Article	Type
KDA15-2000	<b>Carbon torque support 15 Nm</b> Length min 835 mm, length max 2119 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA40-1000	<b>Carbon torque support 40 Nm</b> Length min 517 mm, length max 1127 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA40-1500	<b>Carbon torque support 40 Nm</b> Length min 684 mm, length max 1628 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA40-2000	<b>Carbon torque support 40 Nm</b> Length min 852 mm, length max 2132 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA80-1000	<b>Carbon torque support 80 Nm</b> Length min 528 mm, length max 1140 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA80-1500	<b>Carbon torque support 80 Nm</b> Length min 695 mm, length max 1641 mm <b>Suitable for straight screwdrivers or screwdrivers with pistol grip</b>
KDA-a15-0600	<b>Carbon torque support 15 Nm</b> Length min 414 mm, length max 665 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a15-1000	<b>Carbon torque support 15 Nm</b> Length min 503 mm, length max 1123 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a15-1500	<b>Carbon torque support 15 Nm</b> Length min 668 mm, length max 1618 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a15-2000	<b>Carbon torque support 15 Nm</b> Length min 835 mm, length max 2119 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a40-1000	<b>Carbon torque support 40 Nm</b> Length min 505 mm, length max 1120 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a40-1500	<b>Carbon torque support 40 Nm</b> Length min 684 mm, length max 1628 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a40-2000	<b>Carbon torque support 40 Nm</b> Length min 862 mm, length max 2142 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a80-1000	<b>Carbon torque support 80 Nm</b> Length min 528 mm, length max 1140 mm <b>Suitable for screwdrivers with angle head 90°</b>
KDA-a80-1500	<b>Carbon torque support 80 Nm</b> Length min 695 mm, length max 1641 mm <b>Suitable for screwdrivers with angle head 90°</b>

## Pivoting support arm ST-1200

Pivoting support arm for mounting torque supports or other tools. The column length is individually adjustable. A two-point fixation on the column provides more safety.

### Technical data:

Profile:	Aluminum
Height:	1200 mm
Arm:	600 / 800 / 1200 mm
Pedestal:	135 x 45 mm
Pivoting range:	180°
Load capacity:	max. 6 kg

### Optionally available:

- up to 4 pivoting arms on one column
- suitable steel table clamps with fixation screws



**dpvlink 20450**

Article	Type
ST-1200/0600	Pivoting support arm 0600
ST-1200/0800	Pivoting support arm 0800
ST-1200/1000	Pivoting support arm 1000



## Parallel support arm with positioning system

The positioning system PoSy80 assures a **precise tool guidance** when screwing your components. Using the PoSy80 together with the parallel support arm it is possible to determine **every position** on the X, Y and possibly Z-axis. Within the pivoting range this position is **accurate up to 0,01 mm**. The sequence is thereby **free or programmable**.

- analysis of the depth of the screwing (e.g. missing washer)
- specifies position, order and program sequence
- up to 80 positions storable
- suitable for electric, EC and pneumatic screwdrivers



### Technical data encoder PoSy3D-Box:

Screwdriver	every screwdriver with corresponding control signals
Program selection	8 programs selectable via Com interface
Interfaces	SPS control signal for controlling the screwdriver Com interface for selecting a program X / Y / Z encoders
LCD-Display	4-lines (2 lines for program, 1 for error and 1 for menu selection)
Power supply	230 V AC, 50 Hz
Dimensions (L x W x H)	150 x 200 x 200 x 110 mm
Weight	2.3 kg

**dpvlink 20459**

Article	Type
 PoSy3D-Box	<b>Positioning control electronics</b> for parallel support arm PoSy80
 PoSy80-3D	<b>PoSy80 with XYZ encoder for 80 Nm</b> with X, Y encoder and cable 600 mm column with small base plate and mounting plate
 PoSy-80S	<b>PoSy80 base frame with column</b> Span width 850 mm, tool holder max. 45 mm with tool holder, cylinder and pressure controller max. torque 80 Nm
 PoSy-80W	<b>PoSy80 base frame for wall mounting</b> Span width 850 mm, tool holder max. 45 mm with tool holder, cylinder and pressure controller max. torque 80 Nm

## Torque testers

### Torque tester KTM



Torque tester for adjusting or monitoring the required torques

- USB port for data archiving on PC and printer
- Auto-Reset function
- Measuring direction left and right-hand
- Measuring units Lbf in - kgf cm - Nm
- Measuring mode: peak value, real-time display
- including case and calibration certificat

#### Technical data:

Accuracy:	± 1%
Power supply:	1.2 V battery
Charging time:	8 hours
Battery operation:	30 hours

#### dpvlink 20391



Article	Type
SKZ-KTM-15	<b>KTM-15 torque tester up to 1.5 Nm</b> 0.1 - 1.5 Nm 123x230x65 mm; 2 kg
SKZ-KTM-150	<b>KTM-150 torque tester up to 15 Nm</b> 0.15-15.0 Nm 123x230x65 mm; 2 kg
SKZ-KTM-250	<b>KTM-250 torque tester up to 25 Nm</b> 0.3-25.0 Nm 160x200x40 mm; 2 kg

## Screw separating units

### Screw separating unit Universal KFR-1050



The **first adjustable screw separating unit** switches the unit off automatically when there is no screw in the removal position. The device is adjustable for shaft-heavy screws and screws with captive washer. The feed rail can be easily adjusted to up to 11 sizes. Configure the vibration and feeding speed according to your requirements.



#### Technical data:

Dimensions (L x W x H)	126 x 182 x 147 mm
Weight	2.2 kg
Voltage	100 - 240 V AC
Power supply unit	15 V DC
Screw sizes	M 1.0 - M 5.0
Screw length	maximal 19 mm thread length
Screw bin	200 - 220 ccm

#### dpvlink 20455



Article	Ausführung
KFR-1050	<b>Screw separating unit Universal KFR-1050</b> Shaft M 1.0 to 5.0 mm / length max. 19 mm
KR-45100	<b>Feed rail for KFR-1050</b> Adjustable feed rail for KFR-1050

## Screw separating unit NSB / NSR - Quicher/Othake



The NSB series has a precision feeding system that is suitable for very small screws. With the NSR series, the screw is exempted so that it can be removed e.g. within a screwdriving robot by a screwdriver e.g. with vacuum attachment.

- Electrical connection 240V 50/60Hz (AC adapter included in the scope of delivery), internal DC 15V - 1A
- It also handles screws with washer or spring ring
- Processing speed: 2 screws/sec
- Max. thread length 20 mm
- Vibration intensity is adjustable
- Exchangeable feed rails type NSR
- Adjustable bit guide allows a precise positioning

Type	Screw Ø [mm]	Thread length Max. [mm]	Filling volume Max. [mm]	Rail type
NSB-10 / NSR-10	M 1.0	20	80	SR-10 / SRR-10
NSB-12 / NSR-12	M 1.2	20	80	SR-12 / SRR-12
NSB-14 / NSR-14	M 1.4	20	80	SR-14 / SRR-14
NSB-17 / NSR-17	M 1.7	20	80	SR-17 / SRR-17
NSB-20 / NSR-20	M 2.0	20	80	SR-20 / SRR-20
NSB-23 / NSR-23	M 2.3	20	80	SR-23 / SRR-23
NSB-26 / NSR-26	M 2.6	20	80	SR-26 / SRR-26
NSB-30 / NSR-30	M 3.0	20	80	SR-30 / SRR-30

(\*) Guide rails are interchangeable. All types of NSB are available with a screw counter. When ordering, the type number is to be add with a "C".

dpwlink 11293



Article	Ausführung
NSB-10	NSB - Quicher/Othake, shaft up to Ø M 1.0 mm
NSR-10	NSR - Quicher/Othake, shaft up to Ø M 1.0 mm
NSB-12	NSB - Quicher/Othake, shaft up to Ø M 1.2 mm
NSR-12	NSR - Quicher/Othake, shaft up to Ø M 1.2 mm
NSB-14	NSB - Quicher/Othake, shaft up to Ø M 1.4 mm
NSR-14	NSR - Quicher/Othake, shaft up to Ø M 1.4 mm
NSB-17	NSB - Quicher/Othake, shaft up to Ø M 1.7 mm
NSR-17	NSR - Quicher/Othake, shaft up to Ø M 1.7 mm
NSB-20	NSB - Quicher/Othake, shaft up to Ø M 2.0 mm
NSR-20	NSR - Quicher/Othake, shaft up to Ø M 2.0 mm
NSB-23	NSB - Quicher/Othake, shaft up to Ø M 2.3 mm
NSR-23	NSR - Quicher/Othake, shaft up to Ø M 2.3 mm
NSB-26	NSB - Quicher/Othake, shaft up to Ø M 2.6 mm
NSR-26	NSR - Quicher/Othake, shaft up to Ø M 2.6 mm
NSB-30	NSB - Quicher/Othake, shaft up to Ø M 3.0 mm
NSR-30	NSR - Quicher/Othake, shaft up to Ø M 3.0 mm

## Pliers

### ideal-tek Pliers



ideal-tek pliers stand for quality with the highest requirements of precision, ergonomics and durability.



#### The cutting shapes and cutting performance:



##### With bevel (facet)

Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



##### With large bevel (facet)

Suitable for cutting hard and very hard steel wires. Long service life.



##### Without bevel flush (facet)

Flush cut for soft materials.

#### ERGO-TEK

The pliers of the ERGO-TEK series have a modified ergonomic handle. This adapts optimally to the hand which has a positive effect on the user especially in case of long, intensive and powerful working processes.

#### ERGO-TEK SLIM

In consideration of anatomic differences the new, lightweight ERGO-TEK SLIM series has been designed for small hands - providing the same ergonomics, ESD safety and technical advantages that have always characterized ideal-tek

● ERGO-TEK SLIM  
● ERGO-TEK



### ideal-tek Diagonal cutting pliers ERGO-TEK Slim

The new, lightweight ERGO-TEK SLIM series has been designed for small hands - providing the same ergonomics, ESD safety and technical advantages that have always characterized ideal-tek.

#### Special features

- Ergonomic handle
- Slip-resistant surface
- Very lightweight
- Suitable for narrow spaces

## ESD Diagonal cutting pliers Slim **NEU** ideal-tek

### 5140/41/42

oval jaws, ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26734



Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-ES5140.ESD	120	10	10	6.4	0.2 -1.2
 I-ES5141.ESD	120	10	10	6.4	0.1 -1.2
 I-ES5142.ESD	120	10	10	6.4	0.1 -1.0

## ESD Diagonal cutting pliers Slim **NEU** ideal-tek

### 5150/51/52

large, oval jaws, ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26738



Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-ES5150.ESD	123	12.5	12.5	6.4	0.3 -1.6
 I-ES5151.ESD	123	12.5	12.5	6.4	0.2 -1.6
 I-ES5152.ESD	123	12.5	12.5	6.4	0.2 -1.2

## ESD Diagonal cutting pliers Slim **NEU** ideal-tek

### 5160/61/62

extra large, oval jaws, ERGO-TEK Slim handles ESD dissipative, blue/grey, *Swiss-made*



dpvlink 26743



Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-ES5160.ESD	127	16	14	6.4	0.5 -3.0
 I-ES5161.ESD	127	16	14	6.4	0.4 -2.5
 I-ES5162L.ESD	127	16	14	6.4	0.4 -2.5

## ESD Diagonal cutting pliers Slim **NEU** ideal-tek

### 5340/41/42

small, pointed jaws, ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26748



Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-ES5340.ESD	120	10	10	6.4	0.2 -1.2
 I-ES5341.ESD	120	10	10	6.4	0.1 -1.2
 I-ES5342.ESD	120	10	10	6.4	0.1 -1.0

## ESD Diagonal cutting pliers Slim **NEU** ideal-tek

### 5350/51/52

pointed jaws, ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26754



Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-ES5350.ESD	123	12.5	12.5	6.4	0.3 -1.6
 I-ES5351.ESD	123	12.5	12.5	6.4	0.2 -1.6
 I-ES5352.ESD	123	12.5	12.5	6.4	0.2 -1.2

## ESD Diagonal cutting pliers Slim **NEU** ideal-tek

### 5540/41/42

tapered, small, pointed jaws, ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



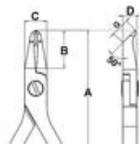
dpvlink 26758



Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-ES5540.ESD	120	10	10	6.4	0.2 -1.2
 I-ES5541.ESD	120	10	10	6.4	0.1 -1.2
 I-ES5542.ESD	120	10	10	6.4	0.1 -0.8

## ESD Diagonal cutting pliers Slim 5547 NEU

Narrow head angled by 50°, ERGO-TEK Slim handles ESD dissipative, blue grey, without bevel/flush cut, *Swiss-made*



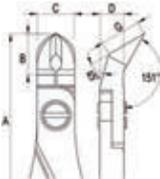
**dpvlink 26762**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
I-ES5247.ESD	128	10	17	6.4	0.1 -1.2



## ESD Diagonal cutting pliers Slim 5250 NEU

Large head angled by 45°, ERGO-TEK Slim handles ESD dissipative, blue/grey, without bevel/flush cut, *Swiss-made*



**dpvlink 26764**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
I-ES5250.ESD	126	10	14.5	6.4	0.2 -1.2



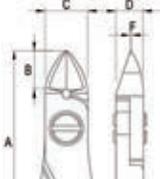
## ideal-tek Diagonal cutting pliers ERGO-TEK

The *ideal-tek* ERGO-TEK diagonal cutting pliers series stands for highest requirements for precision and performance. They are made with high quality exclusively in Switzerland. The tools have precision ground, sharp cutting edges for the use e.g. in electronics and fine mechanics. Versions with normal bevel, small bevel or without bevel for precise cuts on sensitive electronic components. A friction-less double spring ensures a smooth and soft opening. The two-component handles are ergonomically shaped and offer best gripping and comfortable working. The diagonal cutting pliers are forged of a high-quality chrome-vanadium ball bearing steel.

All versions are electrically dissipative 

## ESD diagonal cutting pliers E351TX

pointed jaws, handles ESD dissipative, blue grey, small bevel **with carbide cutting edges made of tungsten carbide, *Swiss-made***



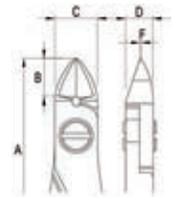
**dpvlink 18397**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
I-E351TX.ESD	123	12.5	7.5	6.4	0.3 -2.0



## ESD diagonal cutting pliers 5140/41/42

oval jaws, handles ESD dissipative, blue grey, *Swiss-made*



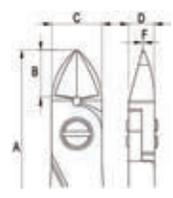
**dpvlink 13235**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
I-E5140.ESD	125	10	10	6.4	0.2 -1.2
I-E5141.ESD	125	10	10	6.4	0.1 -1.2
I-E5142.ESD	125	10	10	6.4	0.1 -1.0



## ESD diagonal cutting pliers 5150/51/52

large, oval jaws, handles ESD dissipative, blue grey, *Swiss-made*



**dpvlink 13239**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
I-E5150.ESD	125	12.5	12.5	6.4	0.3 -1.6
I-E5151.ESD	125	12.5	12.5	6.4	0.2 -1.6
I-E5152.ESD	125	12.5	12.5	6.4	0.2 -1.2



## ESD diagonal cutting pliers 5160/61/62

extra large, oval jaws, handles ESD dissipative, blue/grey, *Swiss-made*



**dpvlink 16939**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
I-E5160.ESD	130	16	14	6.4	0.4 -2.0
I-E5161.ESD	130	16	14	6.4	0.3 -1.6
I-E5162.ESD	130	16	14	6.4	0.3 -1.6



## ESD diagonal cutting pliers 5340/41/42

small, pointed jaws, handles ESD dissipative, blue grey, *Swiss-made*



**dpvlink 13243**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-E5340.ESD	125	10	10	6.4	0.2 -1.2
 I-E5341.ESD	125	10	10	6.4	0.1 -1.2
 I-E5342.ESD	125	10	10	6.4	0.1 -1.0



## ESD diagonal cutting pliers 5247

Narrow head angled by 50°, handles ESD dissipative, blue grey, without bevel/flush cut, *Swiss-made*



**dpvlink 15045**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-E5247.ESD	130	10	17	6.4	0.1 -1.2



## ESD diagonal cutting pliers 5350/51/52

pointed jaws, handles ESD dissipative, blue grey, *Swiss-made*



**dpvlink 13247**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-E5350.ESD	125	12.5	12.5	6.4	0.3 -1.6
 I-E5351.ESD	125	12.5	12.5	6.4	0.2 -1.6
 I-E5352.ESD	125	12.5	12.5	6.4	0.2 -1.2



## ESD diagonal cutting pliers 5250

Large head angled by 45°, handles ESD dissipative, blue/grey, without bevel/flush cut, *Swiss-made*



**dpvlink 16945**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-E5250.ESD	130	10	14.5	6.4	0.2 -1.2



## ESD diagonal cutting pliers 5540/41/42

tapered, small, pointed jaws, handles ESD dissipative, blue grey, *Swiss-made*



**dpvlink 13251**

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cu wire [mm]
 I-E5540.ESD	125	10	10	6.4	0.2 -1.2
 I-E5541.ESD	125	10	10	6.4	0.1 -1.2
 I-E5542.ESD	125	10	10	6.4	0.1 -0.8



## Wire clamp / safety spring

Wire clamp / safety spring, Swiss-made, PU = 5 pieces



**dpvlink 16226**

Article	Type
I-WLC100	<b>Wire clamp / safety spring</b> suitable for diagonal cutting pliers type 5140/5141/5142 +5340/5341/5342 + 5540/5541/5542
I-WLC125	<b>Wire clamp / safety spring</b> suitable for diagonal cutting pliers type 5150/5151/5152 +5350/5351/5352



## ideal-tek Long-nosed pliers ERGO-TEK Slim

The new, lightweight ERGO-TEK SLIM series has been designed for small hands - providing the same ergonomics, ESD safety and technical advantages that have always characterized ideal-tek.



### Special features

- Ergonomic handle
- Slip-resistant surface
- Very lightweight
- Suitable for narrow spaces

## ESD long-nosed pliers Slim 6021, 6022

short jaws (20 mm), ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26768

Article	A [mm]	C [mm]	B [mm]	D [mm]
I-ES6021.ESD	130	10	20	6.4
I-ES6022.ESD	130	10	20	6.4

## ESD long-nosed pliers Slim 6023, 6024

long jaws (30 mm), ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26771

Article	A [mm]	C [mm]	B [mm]	D [mm]
I-ES6023.ESD	143	10	30	6.4
I-ES6024.ESD	143	10	30	6.4

## ESD flat-nosed pliers Slim 6011, 6012

short jaws (20 mm), ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26774

Article	A [mm]	C [mm]	B [mm]	D [mm]
I-ES6011.ESD	130	10	20	6.4
I-ES6012.ESD	130	10	20	6.4

## ESD flat-nosed pliers Slim 6013, 6014

long jaws (30 mm), ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26777

Article	A [mm]	C [mm]	B [mm]	D [mm]
I-ES6013.ESD	143	10	30	6.4
I-ES6014.ESD	143	10	30	6.4

## ESD round-nosed pliers Slim 6041

short jaws (24 mm), ERGO-TEK Slim handles ESD dissipative, blue grey, *Swiss-made*



dpvlink 26780

Article	A [mm]	C [mm]	B [mm]	D [mm]
I-ES6041.ESD	133	10	24	6.4

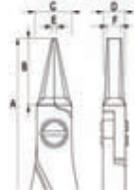
## ideal-tek Long-nosed pliers ERGO-TEK

ideal-tek ERGO-TEK long-nosed pliers stand for highest requirements for material and handling. The tools are manufactured with high quality exclusively in Switzerland. A friction-less double spring ensures a smooth and soft opening. The two-components handles are ergonomically shaped and offer best gripping and comfortable working. The tools are forged from high-quality chromium-vanadium ball bearing steel. All versions are electrically dissipative ⚡

### ESD flat-nosed pliers 6011



short jaws (20 mm), handles ESD dissipative, blue grey, *Swiss-made*



#### dpvlink 13255

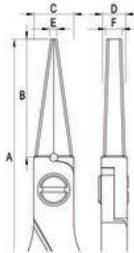
Article	A [mm]	C [mm]	B [mm]	D [mm]	Cut
I-E6011.ESD	135	10	20	6.4	without cut
I-E6012.ESD	135	10	20	6.4	with cut



### ESD flat-nosed pliers 6013, 6014



long jaws (30 mm), handles ESD dissipative, blue grey, *Swiss-made*



#### dpvlink 16203

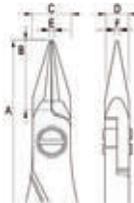
Article	A [mm]	C [mm]	B [mm]	D [mm]	Cut
I-E6013.ESD	145	10	30	6.4	without cut
I-E6014.ESD	145	10	30	6.4	with cut



### ESD long-nosed pliers 6021, 6022



short jaws (20 mm), handles ESD dissipative, blue grey, *Swiss-made*



#### dpvlink 13257

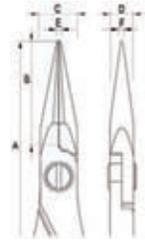
Article	A [mm]	C [mm]	B [mm]	D [mm]	Cut
I-E6021.ESD	135	10	20	6.4	without cut
I-E6022.ESD	135	10	20	6.4	with cut



### ESD long-nosed pliers 6023, 6024



long jaws (30 mm), handles ESD dissipative, blue grey, *Swiss-made*



#### dpvlink 13260

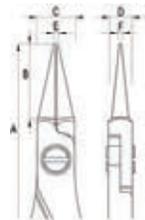
Article	A [mm]	C [mm]	B [mm]	D [mm]	Cut
I-E6023.ESD	145	10	30	6.4	without cut
I-E6024.ESD	145	10	30	6.4	with cut



### ESD round-nosed pliers 6041



short jaws (24 mm), handles ESD dissipative, blue grey, *Swiss-made*



#### dpvlink 13263

Article	A [mm]	C [mm]	B [mm]	D [mm]	Cut
I-E6041.ESD	140	10	24	6.4	without cut



## Piergiacomini



All pliers are made of a special carbon steel.

The antireflecting phosphating metal surfaces ensure a safe, anti-fatigue working. The slip-resistant dolphin handle is made of two dissipative materials and created following ergonomic principles providing a safe, light and comfortable handling of the pliers. The patented return spring allows for a comfortable working. The suspension point when closing the cutting edges guarantees a longer shelf life of the cutting edges.

In compliance with the standard ESD DIN EN 6134-5-1

### The cutting shapes and cutting performance:



#### With mini bevel (facet)

Nearly flush cut. Fine cutting edges. Suitable for soft steel wire, copper wire and cable.



#### With small bevel (facet)

Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



#### Without bevel (facet)

Flush cut. Extremely sharp cutting edges. Only suitable for soft steel wires, copper wire and cable.



#### Without bevel flush (facet)

Flush cut for soft materials.



#### With inverted bevel (facet)

After cutting 1.5 mm of the wire remain.

## Diagonal cutting pliers series Evolution

### Diagonal cutting pliers TRE-03-AB



Light and handy, for finer work even on thicker wires.

Length: 138 mm; small bevel

dpvlink 1573

Article	Bevel	Safety Spring	Max Cu	AWG
TRE-03-NB.D	small bevel		1.30 mm	16
TRE-03-AB.D	small bevel	AF	1.30 mm	16

### Diagonal cutting pliers TR-25A.D



Light and handy, very good cutting properties.

Length: 138 mm; small bevel

dpvlink 1592

Article	Bevel	Safety Spring	Max Cu	AWG
TR-25.D	small bevel		1.30 mm	16
TR-25-A.D	small bevel	AF	1.30 mm	16

### Diagonal cutting pliers TR-25-15



The cut lines leave a 1.5 mm protrusion from the work surface.

Length: 138 mm

dpvlink 1813

Article	Bevel	Max Cu	AWG
TR-25-15.D	reversed bevel	1.30 mm	16

### Diagonal cutting pliers TR-25-L



As TR-25, but with long handles. Reduces the effort.

Length: 160 mm; small bevel

dpvlink 1819

Article	Bevel	Safety Spring	Max Cu	AWG
TR-25-L-A.D	small bevel	AF	1.30 mm	16

### Diagonal cutting pliers TR-25-15-L



As TR-25-15, but with long handles. Less effort.

Length: 160 mm; reversed bevel

dpvlink 1821

Article	Bevel	Max Cu	AWG
TR-25-15-L.D	reversed bevel	1.30 mm	16

### Diagonal cutting pliers TR-25-50



Light and handy, with cutting edges angled by 48° (to the handle).

Length: 135 mm; small bevel

dpvlink 1827

Article	Bevel	Max Cu	AWG
TR-25-50.D	small bevel	1.30 mm	16

### Diagonal cutting pliers TR-25-L-25



With long handles, angled by 25° for a relief of the strain and for a better accessibility to tight surfaces.

Length: 160 mm; small bevel

dpvlink 1830

Article	Bevel	Safety Spring	Max Cu	AWG
TR-25-L-25-A.D	small bevel	AF	1.30 mm	16

## Diagonal cutting pliers TR-30



More stable than the pliers TR-25, jaws offer more resistance.

Length: 138 mm; small bevel

dpvlink 1839

Article	Bevel	Safety Spring	Max Cu	AWG
TR-30.D	small bevel		1.30 mm	16
TR-30-A.D	small bevel	AL	1.30 mm	16



## Diagonal cutting pliers TR-30-58



Facilitates the cutting of iron wire.

Length: 138 mm; mini-bevel

dpvlink 1850

Article	Bevel	Safety Spring	Max Cu	AWG
TR-30-58.D	mini bevel		1.63 mm	14
TR-30-58-A.D	mini bevel	AL	1.63 mm	14



## Diagonal cutting pliers TR-30-58-R



as TR-30-58, but with small bevel

Length: 138 mm

dpvlink 1852

Article	Bevel	Safety Spring	Max Cu	AWG
TR-30-58-R.D	small bevel		1.63 mm	14
TR-30-58-R-A.D	small bevel	AL	1.63 mm	14



## Diagonal cutting pliers TR-58



More stable than TR-30-58. The cutting blades are also hardened.

Length: 138 mm; mini-bevel

dpvlink 1854

Article	Bevel	Safety Spring	Max Cu	AWG
TR-58.D	mini bevel		2.05 mm	12
TR-58-A.D	mini bevel	AL	2.05 mm	12



## Diagonal cutting pliers TRR-58 G



Light and handy for finer work also on thicker wires.

Length: 160 mm; small bevel

dpvlink 1862

Article	Bevel	Max Cu	AWG
TRR-58-G.D	small bevel	2.59 mm	10



## Diagonal cutting pliers TR-58-R



as TR-58, but with small bevel

Length: 138 mm

dpvlink 1856

Article	Bevel	Safety Spring	Max Cu	AWG
TR-58-R.D	small bevel		2.05 mm	12
TR-58-R-A.D	small bevel	AL	2.05 mm	12



## Diagonal cutting pliers TRR-58



Stable construction. For cutting with high effort, even on hardest materials due to additionally hardened cutting edges.

Length: 160 mm; mini-bevel

dpvlink 1860

Article	Bevel	Safety Spring	Max Cu	AWG
TRR-58.D	mini bevel		2.59 mm	10
TRR-58-A.D	mini bevel	AL	2.59 mm	10



## Diagonal cutting pliers TRR-58-B



Due to the curved surface of the cutting edges, the cut parts are like "finish machined".

Length: 160 mm; small bevel

dpvlink 2304

Article	Bevel	Max Cu	AWG
TRR-58-B.D	small bevel	2.05 mm	12



## End cutting pliers TR-30 V



Cutting edges angled by 30°, ideal for work on places that are particularly difficult to reach.

Length: 144 mm, reversed bevel

dpvlink 1864

Article	Bevel	Max Cu	AWG
TR-30-V.D	reversed bevel	1.02 mm	18



## End cutting pliers TR-30-15-V



Cutting edges angled by 30°. The cut lines leave a 1.5 mm protrusion from the working surface.

Length: 144 mm, reversed bevel

dpvlink 1866

Article	Bevel	Max Cu	AWG
TR-30-15-V.D	reversed bevel	1.02 mm	18



## Diagonal cutting pliers TR-30-15



Designed for the cutting of components at 1.5 mm from the working surface. The cut part remains completely flat.

Length: 138 mm, without bevel

dpvlink 1868

Article	Bevel	Max Cu	AWG
TR-30-15.D	without bevel, flush cut	1.30 mm	16



## Special cutting pliers TR-30-T



Special pliers for cutting DIP pins (internal circuits). Cutting edges bent by 60°.

Length: 137 mm, without bevel

dpvlink 1870

Article	Bevel	Max Cu	AWG
TR-30-T.D	without bevel	1.02 mm	18



## High-leverage diagonal cutting pliers TR-5000



Length: 138 mm; mini-bevel

dpvlink 1880

Article	Bevel	Safety Spring	Max Cu	AWG
TR-5000-A.D	mini bevel	AF	2.05 mm	12



## High-leverage diagonal cutting pliers TR-5000-R



Length: 138 mm; mini-bevel

dpvlink 1882

Article	Bevel	Safety Spring	Max Cu	AWG
TR-5000-R-A.D	small bevel	AF	2.0 mm	12



## High-leverage diagonal cutting pliers TR-5000-P



Length: 138 mm; mini-bevel

dpvlink 1895

Article	Bevel	Safety Spring	Max Cu	AWG
TR-5000-P-A.D	mini bevel	AF	1.30 mm	16



## High-leverage diagonal cutting pliers TR-5000-PR



Length: 138 mm; mini-bevel

dpvlink 1897

Article	Bevel	Safety Spring	Max Cu	AWG
TR-5000-PR-A.D	small bevel	AF	1.30 mm	16



## High-leverage diagonal cutting pliers TR-5000-PG



Due to the curved surface of the cutting edges, the cut parts are like "finish machined". Best suited for final processing in the plastics sector.

Length: 138 mm; small bevel

### dpvlink 1924

Article	Bevel	Max Cu	AWG
TR-5000-PG.D	small bevel	1.02 mm	18



## High-leverage diagonal cutting pliers TRR-5000



Length: 138 mm; mini-bevel

### dpvlink 1926

Article	Bevel	Safety Spring	Max Cu	AWG
TRR-5000-A.D	mini bevel	AF	2.59 mm	10



## Diagonal cutting pliers series Micron

### Diagonal cutting pliers TR-20-M



Micron cutting pliers, very light, anatomically shaped. For the use in case of particularly difficult work.

Length 132 mm; small bevel

### dpvlink 2100

Article	Bevel	Safety Spring	Max Cu	AWG
TR-20-M.D	small bevel		0.81 mm	20



TR-20-M-A.D	small bevel	AF	0.81 mm	20
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### Diagonal cutting pliers TR-25-P



Micron cutting pliers, very sharp cutting edges for extremely difficult work.

Length: 132 mm; small bevel

### dpvlink 2103

Article	Bevel	Safety Spring	Max Cu	AWG
TR-25-P-A.D	small bevel	AF	1.02 mm	18



### Diagonal cutting pliers TR-20-SM



Micron cutting pliers, same properties as TR-20-M, but with beveled edges.

Length: 132 mm; small bevel

### dpvlink 2106

Article	Bevel	Max Cu	AWG
TR-20-SM.D	small bevel	0.81 mm	20



### Diagonal cutting pliers TR-20-50-M



Micron cutting pliers with cutting edges angled by 50°. The very thin cutting heads are ideal for difficult to reach working areas.

Length: 131 mm; small bevel

### dpvlink 2110

Article	Bevel	Max Cu	AWG
TR-20-50-M.D	small bevel	0.64 mm	22



### Diagonal cutting pliers TR-20-TM



Micron cutting pliers with cutting edges angled by 50°. Designed for cutting DIP pins.

Length: 129 mm; small bevel

### dpvlink 2118

Article	Bevel	Max Cu	AWG
TR-20-TM.D	small bevel	0.64 mm	22



### End cutting pliers TR-20-VM



Micron cutting pliers, angled by 60°, for cutting on tight surfaces.

Length: 132 mm; small bevel 60° inclination

### dpvlink 2120

Article	Bevel	Max Cu	AWG
TR-20-VM.D	small bevel	0.64 mm	22



## Long-nosed pliers Piergiacomini

### Pointed long-nosed pliers PN-20-M.D



Micron pliers, very light, anatomically shaped. For very difficult work. Jaws with short, smooth tips.

Length: 136 mm

**dpvlink 2136**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-20-M.D	without cut	12 mm	smooth	1.0 mm	0.5 mm

### Pointed long-nosed pliers PN-2002-M.D



Micron pliers for the miniaturization on rounded outer edges for working on particularly tight surfaces. Jaws with smooth tips and rounded outside.

Length: 146 mm

**dpvlink 2151**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-2002-M.D	without cut	16 mm	smooth	1.2 mm	1.0 mm

### Pointed long-nosed pliers PN-2002-PM.D



Micron pliers with long jaws, rounded outside and angled by 45° for very difficult work.

**dpvlink 2155**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-2002-PM.D	without cut	16 mm	smooth	1.0 mm	0.5 mm

### Short long-nosed pliers



For the general processing of components.

Length: 146 mm

**dpvlink 26599**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-2001.D	without cut	16 mm	serrated	1.2 mm	1.0 mm
PN-2002.D	without cut	16 mm	smooth	1.2 mm	1.0 mm

### Short long-nosed pliers



For the general processing of components.

Length: 146 mm

**dpvlink 26604**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-5001.D	with cut	19 mm	serrated	2.0 mm	1.25 mm
PN-5002.D	without cut	19 mm	smooth	2.0 mm	1.25 mm

## Long-nosed pliers



Due to the special shape (extended jaws) particularly suitable for working in narrow and difficult places.

Length: 160 mm

**dpvlink 26600**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-2005.D	with cut	28 mm	serrated	1.2 mm	1.0 mm
PN-2006.D	without cut	28 mm	smooth	1.2 mm	1.0 mm

## Long-nosed pliers



Due to the special shape (extended jaws) particularly suitable for working in narrow and difficult places.

Length: 160 mm

**dpvlink 26605**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-5005.D	with cut	25 mm	serrated	2.0 mm	1.25 mm
PN-5006.D	without cut	25 mm	smooth	2.0 mm	1.25 mm

## Round long-nosed pliers



For the general processing of components.

Length: 154 mm

**dpvlink 2278**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-5025.D	without cut	26 mm	smooth		1.8 mm
PN-5025-Z.D	with cut	26 mm	serrated		1.8 mm

## Round long-nosed pliers



For the general processing of components.

Length: 160 mm

**dpvlink 26603**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PN-2015.D	with cut	28 mm	serrated	1.2 mm	1.0 mm
PN-2016.D	without cut	28 mm	smooth	1.2 mm	1.0 mm

## Angled long-nosed pliers



Suitable for the component processing in nearly all difficult places, with 45° angle, thus there is an excellent insight on to the place which is to be worked on.

Length: 152 mm

**dpvlink 2241**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PNB-2005.D	with cut	16 mm	serrated	1.2 mm	1.0 mm
PNB-2006.D	without cut	16 mm	smooth	1.2 mm	1.0 mm

## Angled, rounded long-nosed pliers



Angled long-nosed pliers. Rounded jaws to avoid damages of components in narrow places.

Length: 152 mm

**dpvlink 2259**

Article	Cut	Jaw length	Gripping surface	Tip	Thickness
PNB-2015.D	with cut	16 mm	serrated	1.2 mm	1.0 mm
PNB-2016.D	without cut	16 mm	smooth	1.2 mm	1.0 mm



## Special tools Piergiacomì

### High-leverage end cutting pliers TP-5000/15.D



The component is cut, bent and blocked on the PCB at the same time in one single operation. Length 147 mm, max. CU-Ø 1.02 mm, 18 AWG, cut: front cut

**dpvlink 2307**

Article	L [mm]	Max Cu	AWG
TP-5000/15.D	147 mm	0.8 mm	20



### Bending pliers PNR-30.D



Specially designed for the forming of cables in a C shape. Length 145 mm, max. CU-Ø 1.02 mm, 18 AWG

**dpvlink 2309**

Article	L [mm]	Max Cu	AWG
PNR-30.D	145 mm	0.8 mm	20



### Bending and cutting pliers PTR-30-C.D



Specially designed for the forming of cables in a C shape and for the cutting of the remaining parts. Length 150 mm, max. CU-Ø 1.02 mm, 18 AWG

**dpvlink 2333**

Article	L [mm]	Max Cu	AWG
PTR-30-C.D	150 mm	0.8 mm	20



### Bending and cutting pliers PTR-30-L.D



Specially designed for the forming of wires in an L shape and for the cutting of the remaining parts. Length 150 mm, max. CU-Ø 1.02 mm, 18 AWG

**dpvlink 2335**

Article	L [mm]	Max Cu	AWG
PTR-30-L.D	150 mm	1.02 mm	18



### Bending and crimping pliers PNR-5000.D



Specially designed for the crimping and cutting of components in one operation. With adjustable stop. Length 150 mm. Max CU Ø 1.0 mm, 18 AWG

**dpvlink 2361**

Article	L [mm]	Max Cu	AWG
PNR-5000.D	150 mm	0.8 mm	20



### Cutting and crimping pliers PNR-5010.D



Cutting and crimping pliers, ESD version DIN 61340-5-1

**dpvlink 17939**

Article	L [mm]	Max Cu	AWG
PNR-5010.D	150 mm	0.8	20



### Special pliers PNG-5000.D



Special pliers, developed for the forming of the components in a C shape. Its special radius allows a stress-free forming of components. Length 150mm. Max CU Ø 1.02 mm, 18 AWG

**dpvlink 2359**

Article	L [mm]	Max Cu	AWG
PNG-5000.D	150 mm	0.8 mm	20



## Bending pliers PPR-5001.D / PPR-5002.D / PPR-5003.D



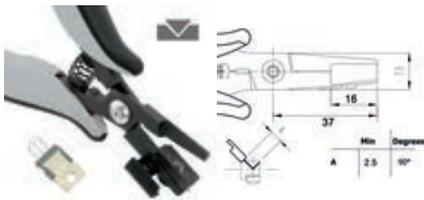
Specially designed for the bending of components  
Length 150mm

dpvlink 2363

Article	L [mm]	A	Max Cu	AWG
PPR-5001.D	150 mm	10.16 mm	0.6 - 0.8 mm	22 - 20
PPR-5002.D	150 mm	12.70 mm	0.6 - 0.8 mm	22 - 20
PPR-5003.D	150 mm	15.24 mm	0.6 - 0.8 mm	22 - 20



## Special bending pliers 90° PN-5040/7.D



Specially designed for bending of radial components at an angle of 90°. Length 150 mm, max. CU-Ø 1.30 mm, 16 AWG

dpvlink 18290

Article	L [mm]	Max Cu	AWG
PN-5040/7.D	158 mm	1.30 mm	16



## Special pliers SMD PNI-5000.D



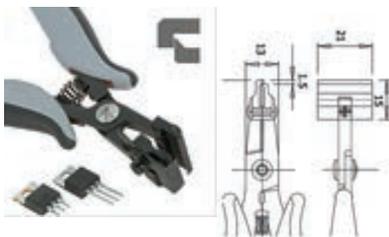
Specially designed for bending and cutting SMD IC pins.  
Length 150 mm  
Max CU Ø 0.80 mm, 20 AWG

dpvlink 2351

Article	L [mm]	Max Cu	AWG
PNI-5000.D	150 mm	0.8 mm	20



## Cutting pliers PNI-5015.D



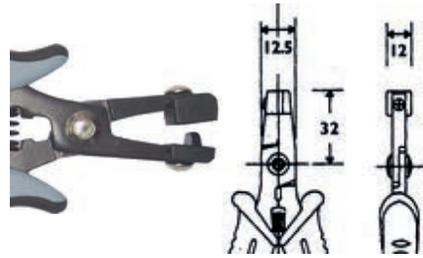
Cutting pliers, adjustable cutting length  
1.5 mm - max. 10 mm, ESD version DIN EN 61340-5-1

dpvlink 17937

Article	L [mm]	Max Cu	AWG
PNI-5015.D	155	0.64 mm	22



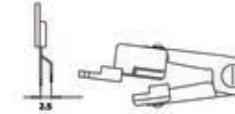
## Bending pliers TO-220



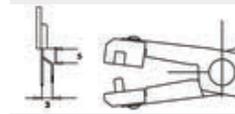
Specially designed to form a lead of TO-220 housings etc.

dpvlink 2353

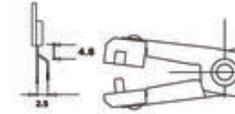
Article Type



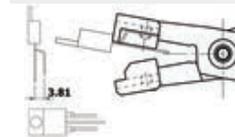
PN-5050/10.D  
**Bending pliers TO-220**  
side lead formed 2.54 mm  
length 158 mm



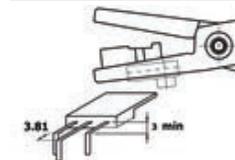
PN-5050/14.D  
**Bending pliers TO-220**  
central lead formed 3.00 mm  
length 158 mm



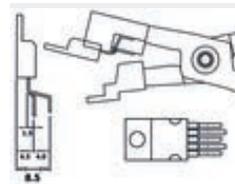
PN-5050/15.D  
**Bending pliers TO-220**  
central lead formed 2.50 mm  
length 158 mm



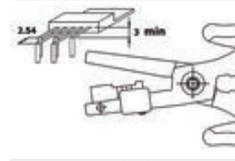
PN-5050/16.D  
**Bending pliers TO-220**  
side lead formed 3.81 mm  
length 158 mm



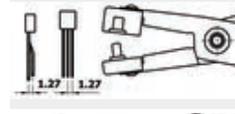
PN-5050/17.D  
**Bending pliers TO-220, 90°**  
central lead formed 3.81 mm  
length 158 mm



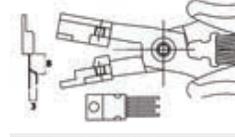
PN-5050/19.D  
**Bending pliers TO-220 90° with 5 pins**  
leads 1+3+5 formed 4 mm and 2+4 1.50 mm  
length 158 mm



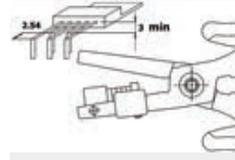
PN-5050/21.D  
**Bending pliers TO-220 90° with 5 pins**  
leads 2+4 formed 2.54 mm  
length 155 mm



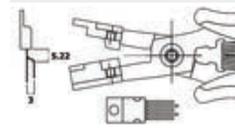
PN-5050/25.D  
**Bending pliers TO-92**  
Pin spacing 1.27 mm, central lead formed 1.27 mm  
length 158 mm



PN-5050/36.D  
**Bending pliers TO-220 with 5 pins**  
leads 2+4 formed 3.00 mm  
length 158 mm



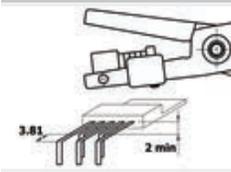
PN-5050/37.D  
**Bending pliers TO-220 90° with 5 pins**  
leads 1+3+5 formed 2.54 mm  
length 155 mm



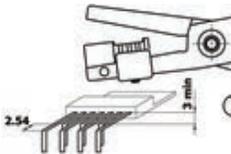
PN-5050/38.D  
**Bending pliers TO-220 with 5 pins**  
leads 1+3+5 formed 3.00 mm  
length 158 mm

dpvlink 2353

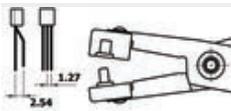
Article  
Type



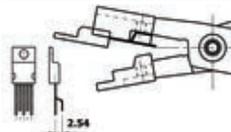
PN-5050/46.D  
**Bending pliers TO-220 90° with 5 pins**  
leads 1+3+5 formed 3.81 mm  
length 155 mm



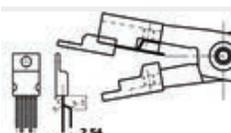
PN-5050/47.D  
**Bending pliers TO-92 90° with 7 pins**  
leads 1+3+5+7 formed 2.54 mm  
length 155 mm



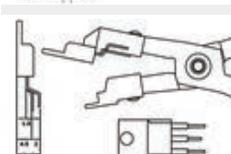
PN-5050/49.D  
**Bending pliers TO-92**  
Pin spacing 1.27 mm, central lead formed 2.54 mm  
length 158 mm



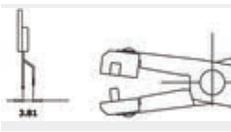
PN-5050/53.D  
**Bending pliers TO-220 with 5 pins**  
leads 2+4 formed 2.54 mm  
length 158 mm



PN-5050/54.D  
**Bending pliers TO-220 avec 5 pins**  
leads 1+3+5 formed 2.54 mm  
length 158 mm



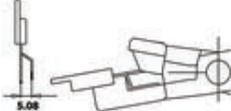
PN-5050/60.D  
**Bending pliers TO-220**  
side lead formed 1.50 mm, centra lead formed 3.50 mm  
length 158 mm



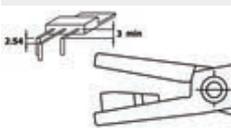
PN-5050.D  
**Bending pliers TO-220, 90°**  
central lead formed 3.81 mm  
Length 158 mm



PN-5050/3.D  
**Bending pliers TO-220, 90°**  
central lead formed 5.08 mm  
Length 158 mm



PN-5050/4.D  
**Bending pliers TO-220, 90°**  
side lead formed 5.08 mm  
Length 158 mm



PN-5050/6.D  
**Bending pliers TO-220, 90°**  
Length 155 mm



PN-5050/7.D  
**Bending pliers TO-220, 90°**  
Length 155 mm

## Special pliers for PLCC



Specially designed for safe extraction of PLCC components. Length 142 mm

dpvlink 2338

Article Type



PLCC-32	<b>Special pliers for PLCC 32 pins</b>
PLCC-44	<b>Special pliers for PLCC 44 pins</b>
PLCC-52	<b>Special pliers for PLCC 52 pins</b>
PLCC-68	<b>Special pliers for PLCC 68 pins</b>
PLCC-84	<b>Special pliers for PLCC 84 pins</b>

## Special cutting pliers TS-30



Special pliers for the electronics. In only a single operation, the component is cut, bent and at the same time blocked on the printed circuit board.

Length: 138 mm

dpvlink 1872

Article	Max Cu	AWG
TS-30.D	1.02 mm	18



## Special cutting pliers TP-30



Special pliers for the electronics. In only a single operation, the component is cut, bent and at the same time blocked on the printed circuit board.

Length: 138 mm

dpvlink 1874

Article	Max Cu	AWG
TP-30.D	1.02 mm	18



## Shears CS-30



Extremely handy shears, for the use in the electronics, can also be used in many other areas.

Length: 144 mm

dpvlink 1878

Article	Max Cu	AWG
CS-30.D	1.30 mm	16



## CK Pliers SensoPlus



The current composition of shape and technology, completely convincing.

A flowing line adapted to the natural form of the hand in the right proportions.

The guarantee for a fatigue-free, controlled, safe and fast working in a level of quality that has been unknown up to now.



### Ergonomics in an optimum design.

1. Two-component handle with flush, soft thermoplastic material, slip-resistant and comfortable.
2. Slip protection for a controlled and concentrated work.
3. Captive, welded double leaf spring: guarantees an optimal function for the whole service life.
4. Precise box joint: accurate guiding of the jaws without readjustment in case of a long service life.
5. Mirror polish: optimal protection against corrosion without chrome, easy to clean.
6. Inductive hardening of cutting edges: high hardness for a long durability.

### The shapes of cutting edges and cutting performance



#### With small bevel (facet)

Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



#### With large bevel (facet)

Suitable for cutting hard and very hard steel wires. Long service life.



#### Without bevel (facet)

Flush cut. Extremely sharp cutting edges. Only suitable for soft steel wires, copper wire and cable.



Made in Germany

### Diagonal cutting pliers 3880



#### dpvlink 1440

Article	Bevel	Ø soft/AWG	Ø medium/AWG	Ø piano/AWG
3880DF-110	without bevel	1.5 / 15	1.0 / 20	0.4 / 26
3880DEF-110	without bevel	1.0 / 18	0.6 / 22	- / -

### Oblique cutting pliers 3786



Narrow head. For tight spaces; small bevel



#### dpvlink 1753

Article	Bevel	Ø soft/AWG	Ø medium/AWG
3786DF-120	small bevel	0.8 / 20	0.6 / 22

## Oblique cutting pliers 3871



Extra slim, long jaws. For very narrow spaces. Also for SMD applications; small bevel



dpvlink 1755

Article	Bevel	Ø soft/AWG	Ø medium/AWG
3871DF-120	small bevel	0.8 / 20	0.6 / 22



## Diagonal cutting pliers 3766-110



Pointed and flattened head. Also for SMD applications.



dpvlink 1710

Article	Bevel	Ø soft/AWG	Ø medium/AWG
3766DF-110	small bevel	1.5 / 15	0.8 / 20
3766DEF-110	without bevel	1.5 / 15	0.6 / 22



## Diagonal cutting pliers 3780



Pointed head.



dpvlink 1717

Article	Bevel	Ø soft/AWG	Ø medium/AWG
3780DF-110	small bevel	1.5 / 15	0.8 / 20
3780DEF-110	without bevel	1.0 / 18	0.6 / 22



## Diagonal cutting pliers 3773



Oval head



dpvlink 1725

Article	Bevel	Ø soft/AWG	Ø medium/AWG	Ø hard/AWG
3773D-115	large bevel	1.5 / 15	1.0 / 18	0.4 / 26
3773DF-115	small bevel	1.5 / 15	1.0 / 18	- / -
3773DEF-115	without bevel	1.5 / 15	1.0 / 20	- / -



## Diagonal cutting pliers 3779



Oval head. Carbide cutting edges, not for soft material



dpvlink 1729

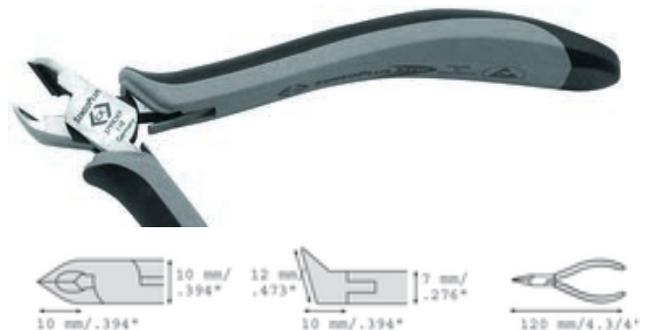
Article	Bevel	Ø soft/AWG	Ø hard/AWG	Ø piano/AWG
3779D-115	large bevel	2.0 / 12	1.0 / 18	0.6 / 22



## Oblique cutting pliers 3799



Cut surface angled by 29°  
Horizontal and vertical operation, stable and handy



dpvlink 1731

Article	Bevel	Ø soft/AWG	Ø medium/AWG	Ø hard/AWG
3799DF-110	small bevel	1.0 / 16	1.0 / 18	0.4 / 26
3799DEF-110	without bevel	1.0 / 18	0.8 / 20	- / -



## Diagonal cutting pliers 3782



Oval head. With wire holder.



dpvlink 1734

Article	Bevel	Ø soft/AWG	Ø medium/AWG
3782DEF-115	without bevel	1.5 / 15	0.8 / 20



## Oblique cutting pliers 3778



dpvlink 21270

Article	Bevel	Ø soft/AWG	Ø medium/AWG	Ø hard/AWG
3778DF	small bevel	1,6 / 14	1.2 / 16	0.5 / 24



## Diagonal cutting pliers 3781



Pointed head.



dpvlink 1745

Article	Bevel	Ø soft/AWG	Ø medium/AWG	Ø hard/AWG
3781D-115	large bevel	1.5 / 15	1.0 / 18	0.3 / 28
3781DF-115	small bevel	1.5 / 15	0.8 / 18	- / -
3781DEF-115	without bevel	1.5 / 15	0.8 / 20	- / -



## End cutting pliers 3784



dpvlink 21272

Article	Bevel	Ø soft/AWG	Ø medium/AWG
3784DF	small bevel	0.8 / 20	0.6 / 22



## Diagonal cutting pliers



Pointed and flattened head



dpvlink 1721

Article	Bevel	Ø soft/AWG	Ø medium/AWG
3766DEF-120	without bevel	1.5 / 15	0.6 / 22



## Diagonal cutting pliers 3787



Pointed head, for narrow spaces; carbide cutting edges.



dpvlink 10555

Article	Bevel	Ø soft/AWG	Ø hard/AWG	Ø piano/AWG
3787DF-115	small bevel	1.8 / 13	1.0 / 18	0.4 / 22



## Diagonal cutting pliers 3775



Head oval



**dpvlink 21260**

Article	Bevel	Ø soft/AWG	Ø medium/AWG	Ø hard/AWG
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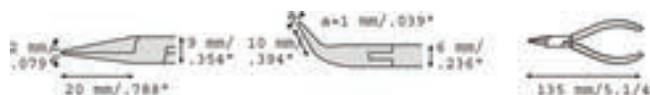
3775D-135	large bevel	2.0 / 12	1.5 / 15	0.7 / 21
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## Long-nosed pliers 3767



Bent



**dpvlink 1761**

Article	Type
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3767D-120	Long-nosed pliers without cut
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## End cutting pliers 3776



**dpvlink 21267**

Article	Bevel	Ø soft/AWG	Ø medium/AWG
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3776DEF-115	without bevel	2.0 / 12	1.6 / 14
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## Flat-nose pliers 3770



**dpvlink 1765**

Article	Type
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3770D-120	Flat-nose pliers without cut
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3770-1D-120	Flat-nose pliers with cut
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## Long-nosed pliers 3772-120



Straight



**dpvlink 1476**

Article	Type
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3772D-120	Long-nosed pliers without cut
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3772-1D-120	Long-nosed pliers with cut
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## Round-nosed pliers 3771



**dpvlink 1770**

Article	Type
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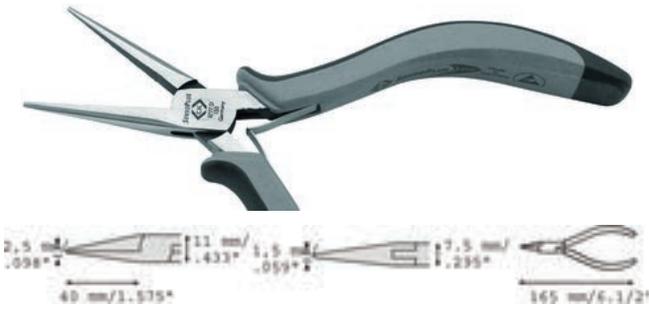
3771D-120	Round-nosed pliers without cut
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## Long-nosed pliers



Straight



dpvlink 1772

Article Type

3777D-150 Long-nosed pliers with cut



## Pliers set in tool bag



6-piece ESD pliers set in service bag. Service bag made of synthetic leather with zipper. 6 compartments for pliers of up to 120 mm length. Dimensions approx. 180 x 145 x 45 mm.

Content consisting of:



Long-nosed pliers, straight	3772D-120
Flat-nose pliers	3770D-120
Diagonal cutting pliers	3773DF-115
Diagonal cutting pliers	3880D-110
Diagonal cutting pliers	3766DF-120
Oblique cutting pliers	3786DF-120

dpvlink 1784

Article Type

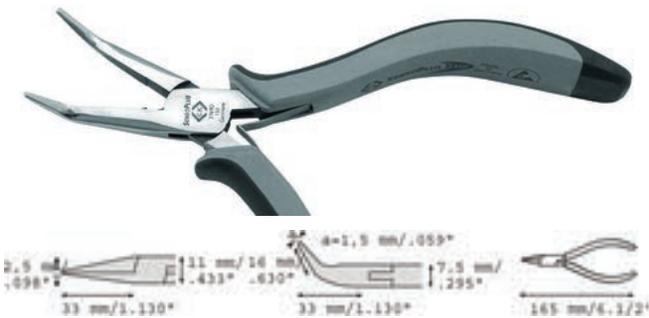
3703D 6-piece pliers set in service bag



## Long-nosed pliers 3769



Bent



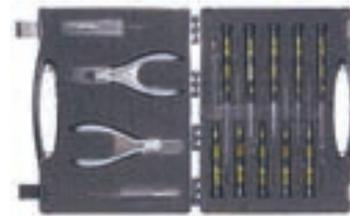
dpvlink 1775

Article Type

3769D-150 Long-nosed pliers with cut



## ESD tool set 14-piece



14-piece ESD tool set in service case. Compact service case with stable foam inserts (no ESD material), approx. 260 x 200 x 60 mm

Content consisting of:

Long-nosed pliers straight	3772D-120
Diagonal cutting pliers	3773D-115
SMD placement tweezers	2334, 2343
Precision tweezers	2343
XonicXM slotted screwdriver	4880XESD 0.8 x 60 to 2.5x75
Phillips screwdriver	4882XESD PH 1 x 80 000 x 60

dpvlink 14187

Article Type

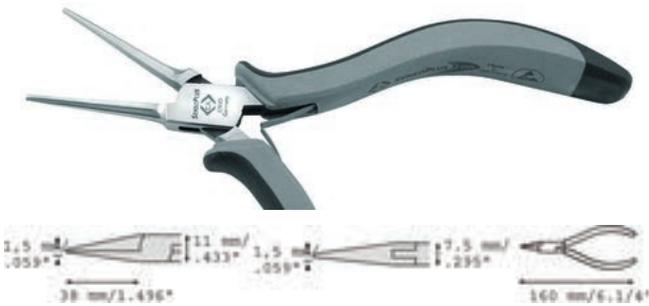
3707DX.ESD 14-piece ESD tool set



## Needle-nose pliers 3783



Straight, extra slim jaws and very fine tips



dpvlink 1778

Article Type

3783D-145 Needle-nose pliers without cut



## CK diagonal cutting pliers Ecotronic

### Diagonal cutting pliers 3883



Small, slim and angled head



dpvlink 21274

Article Bevel AWG Max Cu L [mm]

3883.ESD without bevel 16 1.3 mm 132



## Diagonal cutting pliers 3884

Small, slim, angled head. Inside cutting.



dpvlink 21276

Article	Bevel	AWG	Max Cu	L [mm]
3884.ESD	without bevel	16	1.3 mm	132



## Diagonal cutting pliers 3885

Small, slim, angled head



dpvlink 21278

Article	Bevel	AWG	Max Cu	L [mm]
3885.ESD	without bevel	16	1.3 mm	139



## Diagonal cutting pliers 3886

Slim, flattened, angled head.



dpvlink 21280

Article	Bevel	AWG	Max Cu	L [mm]
3886.ESD	without bevel	16	1.3 mm	139



## Diagonal cutting pliers 3887

with angled head



dpvlink 21282

Article	Bevel	AWG	Max Cu	L [mm]
3887.ESD	without bevel	14	1.6 mm	136



## Diagonal cutting pliers 3888

with angled head and safety spring



dpvlink 21284

Article	Bevel	AWG	Max Cu	L [mm]
3888.ESD	without bevel	14	1.6 mm	135



## CK pliers Ecotronic

## ESD needle-nosed pliers 3889



dpvlink 21286

Article	Cut	L [mm]
3889.ESD	without cut	152



## ESD needle-nosed pliers 3890



dpvlink 21288

Article	Cut	L [mm]
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3890.ESD	without cut	145
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## ESD flat-nosed pliers 3891



dpvlink 21290

Article	Cut	L [mm]
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3891.ESD	without cut	145
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## ESD needle-nosed pliers 3892



dpvlink 21292

Article	Cut	L [mm]
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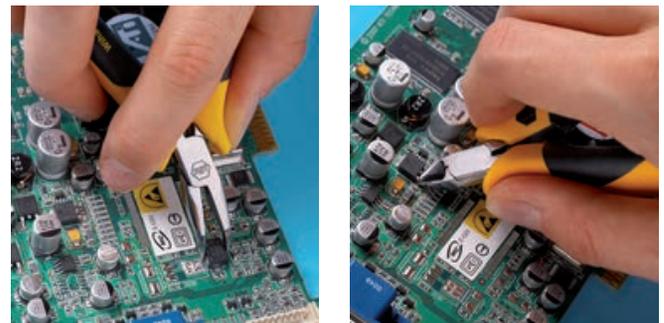


3892.ESD	with cut	152
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## Wiha

Wiha Professional ESD is ideal for the electronics professional who depends on precise and robust pliers.

The secret of success of the pliers series is as simple as ingenious: on the pliers head an uncompromising sharpness and hardness for a flush cutting, on the handle, however, the pleasant comfort for a stable, fatigue-free gripping, holding and cutting.



### Special features:

- **ESD safe**  
Suitable for working at ESD workstations according to IEC 61340-5-1  
Surface resistance  $10^6 - 10^9$  ohm
- **Antistatic**  
Unique - dissipative properties in all components of the handle
- **Precise**  
Box joint, safe against twisting
- **Hard as steel**  
Pliers head die-forged made of high-quality steels
- **Robust and durable**  
Cutting edges individually tempered and quenched, in addition inductively hardened to approx. 64 HRC. Joint extremely low-wear and highly resistant, high-quality riveting
- **Ergonomic**  
Extra wide handle back, hard and soft zones perfectly distributed in the handle
- **Attractive**  
Attractive design, with finely polished head

### The cutting shapes and cutting performance:



#### With small bevel (facet)

Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



#### With large bevel (facet)

Suitable for cutting hard and very hard steel wires. Long service life.



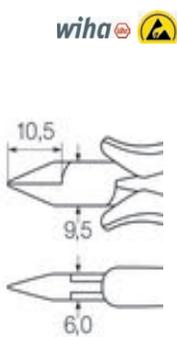
#### Without bevel (facet)

Flush cut. Extremely sharp cutting edges. Only suitable for soft steel wires, copper wire and cable.

## Wiha Pliers professional

### Diagonal cutting pliers

Diagonal cutting pliers, narrow, pointed shape

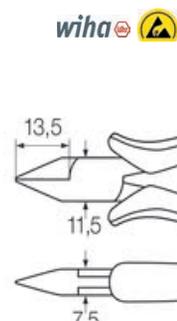


#### dpvlink 6358

Article	Bevel	L [mm]	Head width	Max Cu	AWG
Z40.1115.04	large bevel	115 mm	10.0 mm	1.0 mm	18
Z40.4115.04	small bevel	115 mm	10.0 mm	1.0 mm	18
Z40.3115.04	without bevel	115 mm	10.6 mm	1.0 mm	18

### Diagonal cutting pliers

Diagonal cutting pliers, broad pointed shape

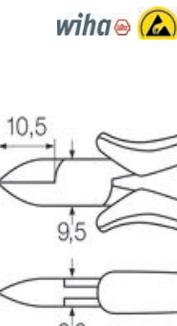


#### dpvlink 17963

Article	Bevel	L [mm]	Head width	Max Cu	AWG
Z41.1115.04	large bevel	115 mm	11.0 mm	1.4 mm	16
Z41.4115.04	small bevel	115 mm	11.0 mm	1.2 mm	18
Z41.3115.04	without bevel	115 mm	11.0 mm	1.0 mm	18

### Diagonal cutting pliers

Diagonal cutting pliers, semicircular shape

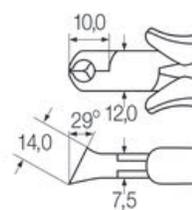


#### dpvlink 6364

Article	Bevel	L [mm]	Head width	Max Cu	AWG
Z43.1115.04	small bevel	115 mm	10.0 mm	1.2 mm	18
Z44.1115.04	large bevel	115 mm	11.0 mm	1.4 mm	16
Z44.3115.04	small bevel	115 mm	11.0 mm	1.2 mm	18

### Oblique end cutting pliers

Oblique end cutting pliers, wide head, angled by 29°, small bevel

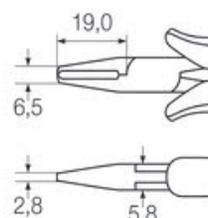


#### dpvlink 6380

Article	Bevel	L [mm]	Head width	Max Cu	AWG
Z46.1115.04	small bevel	115 mm	12.0 mm	1.2 mm	18

### Oblique end cutting pliers

Oblique end cutting pliers extra narrow, slim shape, small bevel

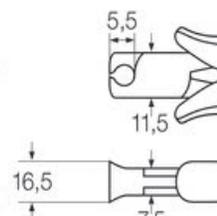


#### dpvlink 6377

Article	Bevel	L [mm]	Head width	Max Cu	AWG
Z47.1110.04	small bevel	110 mm	4.8 mm	0.6 mm	24

### End cutting pliers, wide head

End cutting pliers, wide head, small bevel



#### dpvlink 6382

Article	Bevel	L [mm]	Head width	Max Cu	AWG
Z47.2115.04	small bevel	115 mm	11.0 mm	1.4 mm	16

## Plier set Wiha Professional ESD, 5-piece incl. tool bag



### Pliers set professional ESD, 5-piece consisting of:

- Z41.3115.04 Diagonal cutting pliers Professional ESD - large, pointed head, without bevel
- Z44.1115.04 Diagonal cutting pliers Professional ESD - large, semicircular head, large bevel
- Z46.1115.04 Oblique end cutting pliers Professional - large head 29°, angled, small bevel
- Z36.0120.04 Taper-nose pliers Professional ESD - straight ESD tool bag

dpvlink 13278

Article	Type
Z99000104.ESD	Plier set Wiha ESD, 5-piece incl. tool bag



## Tool set ESD 10 pieces



### Tool set ESD, 10 pieces consisting of:

- Z36.0120.04 Taper-nose pliers Professional ESD - straight
  - Z41.3115.04 Diagonal cutting pliers Professional ESD - wide, pointed head without bevel
  - ZP.01014130 Universal tweezers Professional ESD typ AA
  - 270P.40x2.0 Slotted screwdriver PicoFinish® ESD 2 x 40 mm
  - 270P.50x2.5 Slotted screwdriver PicoFinish® ESD 2,5 x 50 mm
  - 271P.PH0x50 Phillips screwdriver PicoFinish® ESD PH0 x 50 mm
  - 271P.PH00x40 Phillips screwdriver PicoFinish® ESD PH00 x 40 mm
  - 277P.TX05x40 TORX® screwdriver PicoFinish® ESD T5 x 40 mm
  - 277P.TX06x40 TORX® screwdriver PicoFinish® ESD T6 x 40 mm
- ESD tool bag

dpvlink 24879

Article	Type
43994	Wiha tool set ESD 10 pieces with tool bag



## Needle-nosed pliers, straight head



Needle-nosed pliers, straight head, fine semicircular tips with cut



dpvlink 6384

Article	L [mm]	W [mm]
Z36.0120.04	120 mm	9.5 mm
Z36.0145.04	120 mm	12.0 mm



## Needle-nosed pliers, bent



Needle-nosed pliers, bent by 45°, without cut, fine semicircular tips



dpvlink 6386

Article	L [mm]	W [mm]
Z36.1120.04	120 mm	9.5 mm



## Round-nose pliers



Round-nose pliers, round, short jaws



dpvlink 6388

Article	L [mm]	W [mm]
Z37.0120.04	120 mm	9.5 mm



## Flat-nose pliers



Flat-nose pliers, without cut, flat and short jaws



dpvlink 6390

Article	L [mm]	W [mm]
Z38.0120.04	120 mm	9.5 mm



Knipex



Knipex pliers comply with the highest requirements concerning performance, ergonomics, and service life.

Due to a special selection of the used steels and the careful and high-quality processing, the Knipex pliers achieve an optimal durability and service life. Innovative ideas always offer forward-looking solutions for an easy, effective and safe working.

The cutting shapes and cutting performance:



**With mini bevel (facet)**

Nearly flush cut. Fine cutting edges. Suitable for soft steel wire, copper wire and cable.



**With small bevel (facet)**

Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



**With large bevel (facet)**

Suitable for cutting hard and very hard steel wires. Long service life.



**Without bevel (facet)**

Flush cut. Extremely sharp cutting edges. Only suitable for soft steel wires, copper wire and cable.



**Without bevel flush (facet)**

Flush cut for soft materials.

Knipex "Super Knips" series

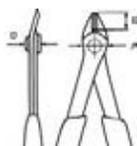
The Knipex Super-Knips series have precision-ground cutting edges for a clean, planar cutting without bevel, e.g. for the use in electronics and fine mechanics. The very smooth-running joint and the opening spring offer high ease of use.

All versions are electrically dissipative ⚠️

Diagonal cutting pliers 7803125 ESD



Diagonal cutting pliers, head made of INOX stainless steel, without bevel, cutting hardness approx. 54 HRC.



dpvlink 8830

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7803.125.ESD	13.5	9.0	7.5	0.2 -1.6



Diagonal cutting pliers 7813125 ESD



Diagonal cutting pliers, head made of INOX stainless steel, without bevel, with wire clamp/safety spring, cutting hardness approx. 54 HRC.



dpvlink 8831

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7813.125.ESD	13.5	9.0	7.5	0.2 -1.6



Diagonal cutting pliers 7861125 ESD



Diagonal cutting pliers, head of special tool steel, burnished, without bevel; cutting hardness approx. 64 HRC



dpvlink 8832

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7861.125.ESD	13.5	9.0	7.5	0.2 -1.6



Diagonal cutting pliers 7871125 ESD



Diagonal cutting pliers, head made of special tool steel, burnished, without bevel, with wire clamp/safety spring, hardness approx. 64 HRC



dpvlink 8833

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7871.125.ESD	13.5	9.0	7.5	0.2 -1.6



Diagonal cutting pliers 7803140 ESD



Diagonal cutting pliers, head of INOX stainless steel, without bevel, avec opening spring and opening limitation, cutting hardness approx. 54 HRC



dpvlink 21473

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7803.140.ESD	15.7	12.3	9.2	0.2 -2.1



## Diagonal cutting pliers 7861140 ESD



Diagonal cutting pliers, head of special tool steel, burnished, without bevel, avec opening spring and opening limitation, cutting hardness approx. 64 HRC



dpvlink 21475

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7861.140.ESD	15.7	12.3	9.2	0.2-2.1



## Knipex "Standard" series

The cutting pliers of the Knipex standard series are equipped with precision-ground cutting edges for finest cutting work, e.g. in electronics and fine mechanics. A low-friction double spring ensures a smooth and even opening. The mirror polish combined with a fine oil film offers a good rust protection so that errors in circuits by flaking chrome parts are prevented.

All versions are electrically dissipative

## Flat-nose pliers 3512115 ESD



Flat-nose pliers, flat, wide jaws, gripping surfaces smooth.



dpvlink 8834

Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
K-3512.115.ESD	9.5	22.5	6.5	2.0	4.0



## Round-nose pliers 3522115 ESD



Round-nose pliers, flat, round jaws, gripping surface smooth.



dpvlink 8835

Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
K-3522.115.ESD	9.5	22.5	6.5	2.0	1.5



## Round-nose pliers 3532115 ESD



Round-nose pliers, round, pointed jaws, gripping surface smooth.



dpvlink 8836

Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
K-3532.115.ESD	9.5	22.5	6.5	2.0	1.0



## Round-nose pliers 3542115 ESD



Round-nose pliers, semicircular jaws angled by 45°, gripping surfaces smooth.



dpvlink 8837

Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
K-3542.115.ESD	9.5	22.5	6.5	2.0	1.5



## End cutting pliers 6412115 ESD



End cutting pliers with bevel, angled 90°, small bevel



dpvlink 8838

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-6412.115.ESD	11.0	6.0	7.0	1.4



## Oblique end cutting pliers 6432120 ESD



Oblique end cutting pliers, angled by 15°, small bevel



dpvlink 8839

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-6432.120.ESD	11.0	10.0	7.0	1.5



## Oblique end cutting pliers 6462120 ESD



Oblique end cutting pliers, small bevel, angled 65°.



dpvlink 8840

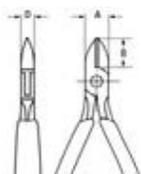
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-6462.120.ESD	11.0	20.0	7.0	0.6



## Diagonal cutting pliers 7702115 ESD



Diagonal cutting pliers, round head, small bevel.



dpvlink 8841

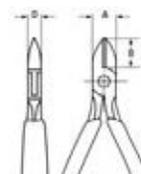
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7702.115.ESD	11.0	14.0	7.5	0.3 -1.6



## Diagonal cutting pliers 7742115 ESD



Diagonal cutting pliers, pointed head, without bevel.



dpvlink 8845

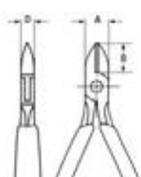
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7742.115.ESD	11.0	14.0	7.5	0.3-1.3



## Diagonal cutting pliers 7712115 ESD



Diagonal cutting pliers, round head, large bevel and wire clamp.



dpvlink 8842

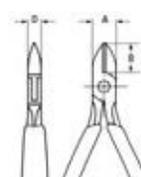
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7712.115.ESD	11.0	14.0	7.5	0.3 -1.6



## Diagonal cutting pliers 7752115 ESD



Diagonal cutting pliers, pointed, flat head, small bevel.



dpvlink 8846

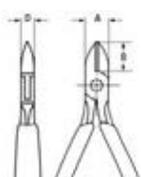
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7752.115.ESD	11.5	14.0	7.5	0.3-1.0



## Diagonal cutting pliers 7722115 ESD



Diagonal cutting pliers, round head, without bevel.



dpvlink 8843

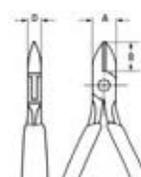
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7722.115.ESD	11.0	14.0	7.5	0.3 -1.3



## Diagonal cutting pliers 7772115 ESD



Diagonal cutting pliers, pointed mini head, small bevel.



dpvlink 8847

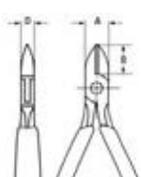
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7772.115.ESD	9.5	10.5	6.5	0.3-0.8



## Diagonal cutting pliers 7732115 ESD



Diagonal cutting pliers, pointed head, small bevel.



dpvlink 8844

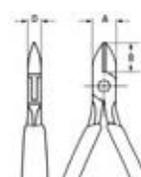
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7732.115.ESD	11.0	14.0	7.5	0.3 -1.3



## Diagonal cutting pliers 7702120H ESD



Diagonal cutting pliers with hard metal cutting edges, round head, large bevel



dpvlink 17325

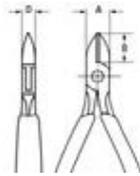
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7702.120H.ESD	11.0	14.0	7.5	0.6-2.0



## Diagonal cutting pliers 7702135H ESD



Diagonal cutting pliers with hard metal cutting edges, round head, large bevel



dpvlink 17326

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
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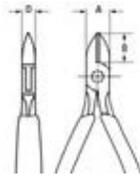
K-7702.135H.ESD	15.0	18.0	9.5	0.8 - 2.2
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## Diagonal cutting pliers 7732120H ESD



Diagonal cutting pliers with hard metal cutting edges, small bevel



dpvlink 17327

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
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K-7732.120H.ESD	11.0	14.0	7.0	0.2 - 1.6
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## ESD Electronics pliers set



8 parts, contains 2 KNIPEX electronic pliers and 6 WERA screwdrivers, ESD version. Practical storage box, shock-resistant plastic, with foam insert.



### Content consisting of:

Gripping pliers	K-3522.115.ESD
Diagonal cutting pliers	K-7702.115.ESD
Screwdriver	WE-1578A.80x2.5
Screwdriver	WE-1578A.80x3.0
Screwdriver	WE-1578A.80x3.5
Screwdriver	WE-1578A.80x4.0
Screwdriver	WE-1550ESD.PH0x60
Screwdriver	WE-1550ESD.PH1x80

dpvlink 18024

Article	Type
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K-0020.18.ESD	ESD Electronics plier set
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## ESD Electronics plier set



6-piece, equipped with 6 ESD electronics pliers. Case made of durable polyester fabric, pliers are held by elastic band, zipper.



### Content consisting of:

Flat-nose pliers	K 3512.115.ESD
Round-nose pliers	K 3522.115.ESD
Round-nose pliers	K 3542.115.ESD
Oblique end cutting pliers	K 6432.115.ESD
Diagonal cutting pliers	K 7202.115.ESD
Diagonal cutting pliers	K 7732.125.ESD

dpvlink 8890

Article	Type
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K-0020.17.ESD	ESD Electronics plier set
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## Knipex "Profi" series

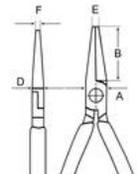
The Knipex "Profi" series for highest requirements concerning efficiency and performance. The precision cutting pliers have precision-ground, sharp cutting edges for the use e.g. in electronics and fine mechanics, with a small bevel or without bevel for precise cuts on sensitive electronic components. A low-friction double spring ensures a smooth and even opening. Forged of high-quality chrome-vanadium ball bearing steel with glare-free finish and low weight.

All versions are electrically dissipative

## Flat-nose pliers 3412130 ESD



Flat-nose pliers with flat, wide jaws, smooth gripping surface for fine work.



dpvlink 8827

Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
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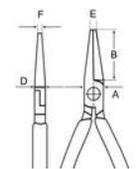
K-3412.130.ESD	11.2	21.9	6.5	1.4	3.5
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## Flat-nose pliers 3442130 ESD



Flat-nose pliers with flat, wide jaws, precision laser cut cross-shaping, smooth gripping surface, for fine tasks.



dpvlink 21479

Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
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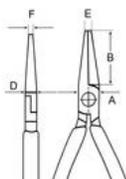
K-3442.130.ESD	11.2	22.7	6.5	1.6	1.6
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## Round-nose pliers 3422130 ESD



Round-nose pliers with semicircular jaws, smooth gripping surface, for gripping fine parts and types of wires



**dpvlink 8828**

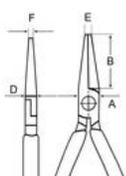
Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
K-3422.130.ESD	11.2	22.7	6.5	1.6	1.6



## Round-nose pliers 3452130 ESD



Round-nose pliers with semicircular jaws, precision laser cut cross-shaping, smooth gripping surface, for gripping fine components and forming wires



**dpvlink 21481**

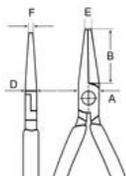
Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
K-3452.130.ESD	11.2	22.7	6.5	1.6	1.6



## Round-nose pliers 3432130 ESD



Round-nose pliers with round, pointed jaws, smooth gripping surface, for bending fine eyelets



**dpvlink 8829**

Article	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]
K-3432.130.ESD	11.2	22.7	6.5	1.6	1.6



## Diagonal cutting pliers 7902120 ESD



Diagonal cutting pliers, round mini head with mini-bevel.



**dpvlink 8821**

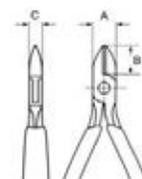
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7902.120.ESD	9.0	6.5	6.5	0.2 - 1.0



## Diagonal cutting pliers 7902125 ESD



Diagonal cutting pliers, round head with mini-bevel



**dpvlink 8822**

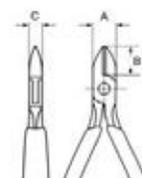
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7902.125.ESD	11.0	10.0	6.5	0.2 - 1.5



## Diagonal cutting pliers 7922120 ESD



Diagonal cutting pliers, round mini head without bevel



**dpvlink 8824**

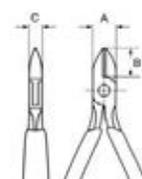
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7922.120.ESD	9.0	6.5	6.5	0.1 - 0.8



## Diagonal cutting pliers 7922125 ESD



Diagonal cutting pliers, round head without bevel.



**dpvlink 8823**

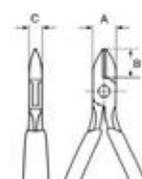
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7922.125.ESD	11.0	10.0	6.5	0.1 - 1.2



## Diagonal cutting pliers 7932125 ESD



Diagonal cutting pliers, pointed head with mini-bevel.



**dpvlink 8825**

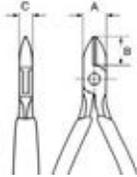
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7932.125.ESD	11.0	11.0	6.5	0.2 - 1.5



## Diagonal cutting pliers 7942125 ESD



Diagonal cutting pliers, pointed head without bevel.



dpvlink 8826

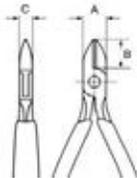
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7942.125.ESD	11.0	11.0	6.5	0.1-1.5



## Diagonal cutting pliers 7942125Z ESD



Diagonal cutting pliers, pointed head, for an optimized flush-mounted cutting result with soft materials, for mounting with tight tolerances, for precise wire end configuration



dpvlink 21477

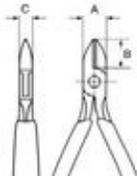
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7942.125.Z.ESD	11.0	11.0	6.5	0.1-1.3



## Diagonal cutting pliers 7952125 ESD



Diagonal cutting pliers, pointed head with mini-bevel and wire clamp ensuring that the cut wire ends are retained.



dpvlink 9527

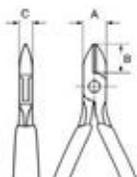
Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7952.125.ESD	11.0	11.0	6.5	0.4-1.3



## Diagonal cutting pliers 7962125 ESD



Diagonal cutting pliers, pointed head without bevel with wire clamp ensuring that the cut wire ends are retained.



dpvlink 9528

Article	A [mm]	B [mm]	D [mm]	Cu wire [mm]
K-7962.125.ESD	11.0	11.0	6.5	0.55-1.0



## ESD precision electronics pliers set



6-piece, containing 6 ESD precision electronics pliers. Case made of durable polyester fabric, pliers are held by elastic band, zipper.

### Content consisting of:

Flat-nose pliers	K 3412.130.ESD
Round-nose pliers	K 3422.130.ESD
Round-nose pliers	K 3432.130.ESD
Diagonal cutting pliers	K 7902.120.ESD
Diagonal cutting pliers	K 7902.125.ESD
Diagonal cutting pliers	K 7942.125.ESD

dpvlink 8888

Article Type

K-0020.16P.ESD ESD precision electronics pliers set



## Knipex VDE pliers

Knipex insulated tools are made of high-quality materials according to the regulations of national and international standards. In compliance with the prescribed safety measures for working under voltage, e.g. DIN VDE 0105, EN 50110, IEC 60364, they offer maximum protection when working under voltage up to AC 1000V (alternating current) and DC 1500V (direct current).

Knipex pliers with the two-colored multi-component handle insulation (red/yellow) meet the requirements of VDE 0682 part 201 and the corresponding international standards (e.g. EN 60900 or IEC 60900). The VDE / GS symbol shows that the requirement is confirmed by an inspecting authority committed to neutrality.

## Combination pliers ISO 1000V



VDE-tested combination pliers made of chrome-vanadium electric steel, for toughest demands, particularly wear-resistant gripping jaws with gripping zones for flat and round material, cutting edges for soft, hard and piano wire, long cutting edges for thick cable

dpvlink 8894

Article	hard	Piano wire	L [mm]
K-0106.160	2,0 mm	1,5 mm	160
K-0106.190	2,5 mm	2,0 mm	190



## Diagonal cutting pliers ISO 1000V

NEU



VDE-tested precision pliers for very fine cutting tasks, thin head shape with ultra-precise cut.

dpvlink 26477

Article	soft	medium	L [mm]
K-7806.125	0.2-1.6 mm	1,0 mm	125 mm



## Cable shears 1000V

NEU



VDE-tested cable shears, hardened cutting edges with precision grinding, cuts smoothly and cleanly without squeezing. The innovative graded edges cut wires one after another for less effort.

dpvlink 26479

Article	Capacity	L [mm]
K-9516.160	50 mm <sup>2</sup>	160 mm



## High-leverage combination pliers ISO 1000V



VDE-tested high-leverage combination pliers made of special tool steel, for toughest demands, 35% power saving by new improved leverage. Particularly wear-resistant gripping jaws with gripping zones for flat and round material, cutting edges for soft, hard and piano wire, long cutting edges for thick cables.

dpvlink 8897

Article	hard	Piano wire	L [mm]
K-0206.180	2.5 mm	2.0 mm	180
K-0206.200	2.8 mm	2.2 mm	200
K-0206.225	3.0	2.5 mm	225



## Combination pliers ISO 1000V



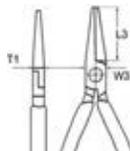
VDE-tested high-leverage combination pliers made of special tool steel, for toughest demands, gripping jaws with gripping zones for flat and round materials, cutting edges for soft, hard and piano wire, long cutting edges for thick cables.

dpvlink 8901

Article	hard	medium	L [mm]
K-0306.160	2,0 mm	3,1 mm	160
K-0306.180	2,2 mm	3,4 mm	180
K-0306.200	2,5 mm	3,8 mm	200



## Flat-nose pliers ISO 1000V



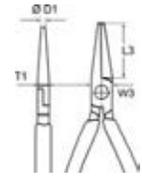
VDE-tested flat-nose pliers with short, flat jaws and serrated gripping surfaces made of special tool steel.

dpvlink 8957

Article	L3	W3	T1	L [mm]
K-2006.160	30.0 mm	17.0 mm	9.5 mm	160



## Round-nose pliers ISO 1000V



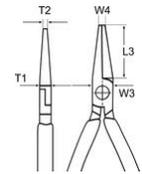
VDE-tested round-nose pliers for the bending of wire eyelets. With short, round and precision-ground jaws, smooth tips, made of special tool steel.

dpvlink 8959

Article	L3	W3	Ø D1	L [mm]
K-2206.160	30.0 mm	18.0 mm	3.0 mm	160



## Taper-nose pliers with cutting edges ISO 1000V



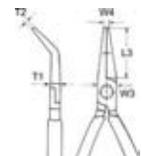
VDE-tested flat-nose pliers with cutting edges, suitable for cutting work in the fine mechanics. Pointed, semicircular jaws with serrated gripping surfaces made of special tool steel in special quality. Cutting for medium-hard and hard wire.

dpvlink 8961

Article	L3	W3	T1	W4	T2	L [mm]
K-2506.160	50.0 mm	16.5 mm	9.5 mm	3.0 mm	2.5 mm	160



## Taper-nose pliers 40° with cutting edges ISO 1000V



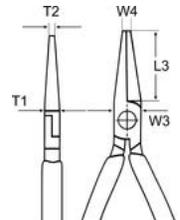
VDE-tested flat-nose pliers with cutting edges, bent by 40°, suitable for cutting work in the fine mechanics. Pointed, flat and round jaws with serrated gripping surfaces made of special tool steel in special quality. Cutting edges for medium-hard and hard wire.

dpvlink 8963

Article	L3	W3	T1	W4	T2	L [mm]
K-2526.160	50.0 mm	16.5 mm	9.5 mm	3.0 mm	2.5 mm	160



## Taper-nose pliers with cutting edges ISO 1000V



VDE-tested flat-nose pliers with cutting edges, highly-resistant, elastic precision tips, flat round jaws with serrated gripping surfaces made of vanadium steel. Cutting edges for medium-hard and hard wire.

dpvlink 8965

Article	L3	W3	T1	W4	T2	L [mm]
K-2616.200	73.0 mm	17.5 mm	2.5 mm	3.0 mm	9.5 mm	200



## Long-nosed pliers ISO 1000V



VDE-tested long-nosed pliers, highly-resistant and low-wear. Long, flat jaws with serrated gripping surfaces, made of chrome-vanadium electric steel.

**dpvlink 8969**

Article	L3	W3	T1	W4	T2	L [mm]
K-3016.160	46.6 mm	16.5 mm	9.5 mm	3.0 mm	5.0 mm	160



## Long-nosed pliers ISO 1000V



VDE-tested long-nosed pliers, highly-resistant and low-wear. Long, round jaws with smooth polished gripping surfaces made of chrome-vanadium electric steel.

**dpvlink 8971**

Article	L3	W3	T1	W4	T2	L [mm]
K-3036.160	41.0 mm	16.5 mm	9.5 mm	5.0 mm	2.5 mm	160



## Diagonal cutting pliers ISO 1000V



VDE-tested versatile diagonal cutting pliers, slim head shape with precision cutting edges for a clean cut on soft and hard wire. Precisely processed, made of high-quality vanadium electric steel.

**dpvlink 8905**

Article	soft	medium	hard	L [mm]
K-7006.125	3.0 mm	2.3 mm	1.5 mm	125
K-7006.140	4.0 mm	2.8 mm	1.8 mm	140
K-7006.160	4.0 mm	3.0 mm	2.0 mm	160
K-7006.180	4.0 mm	3.0 mm	2.5 mm	180
K-7026.160	4.0 mm	-	-	160



## High-leverage diagonal cutting pliers ISO 1000V



VDE-tested high-leverage diagonal cutting pliers with forged joint axis, for toughest, durable demands. Induction-hardened precision cutting edges offering a high cutting performance with minimum effort. Optimal for all wires. Made of chrome-vanadium electric steel.

**dpvlink 8911**

Article	medium	hard	Piano wire	L [mm]
K-7406.160	3.4 mm	2.7 mm	2.2 mm	160
K-7406.180	3.8 mm	2.7 mm	2.0 mm	180
K-7406.200	4.2 mm	3.0 mm	2.5 mm	200
K-7406.250	4.6 mm	3.5 mm	3.0 mm	250



## Cable shears ISO 1000V



VDE-tested cable shears, hardened cutting edges with precision grinding, cuts smoothly and cleanly without squeezing. Easy cutting with one-hand operation, trap protection, adjustable screw joint, self-locking.

**dpvlink 9009**

Article	Capacity	L [mm]
K-9516.165	50 mm <sup>2</sup>	165



## Cable shears ISO 1000V



VDE-tested cable shears, hardened cutting edges with precision grinding, cuts smoothly and cleanly without squeezing. Minimum effort by favorable lever ratio, easy cutting by one-hand operation, trap protection, adjustable screw joint, self-locking.

**dpvlink 9011**

Article	Capacity	L [mm]
K-9516.200	70 mm <sup>2</sup>	200



## Cable cutter ISO 1000V



VDE-tested cable shears, hardened cutting edges with precision grinding, cuts smoothly and cleanly without squeezing. Two-stage ratchet drive for easy cutting. Minimum effort by favorable lever ratio, trap protection, adjustable screw joint, self-locking.

**dpvlink 9013**

Article	Diameter	Capacity	AWG	L [mm]
K-9536.250	32 mm	240 mm <sup>2</sup>	500	250
K-9536.280	52 mm	380 mm <sup>2</sup>	750	280



## Compact box ISO 1000V



4-piece, contains 4 VDE-tested pliers. High-quality and versatile, impact-resistant plastic suitcase, napped foam insert for variable equipment. (Dimensions WxDxH: 327x275x65 mm)

**Consisting of:**

Combination pliers	K-0306.180
Stripping pliers	K-1106.160
Taper-nose pliers	K-2616.200
Diagonal cutting pliers	K-7006.160

**dpvlink 8892**

Article	Type
K-002015	Compact box ISO 1000V



Lindstrom



The RX series by Lindstrom impresses by its high performance, precision and comfort. The material consisting of 1% carbon / chrome steel (ball bearing quality) is made for extremely high demands regarding stability and resistance. By the precision induction-hardening, a Rockwell hardness of 63-65 HRC was achieved. The precision joint with nut and bolt guarantees the perfect alignment of the cutting edges and a long service life.



**Handles:** comfortable for large and small hands. Softly rounded shapes ensure the easy handling for precision work. Spring tension and opening width are easily adjustable. Longer and wider levers distribute the pressure and prevent point loads.



**With small bevel (facet)**

Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



**With large bevel (facet)**

Suitable for cutting hard and very hard steel wires. Long service life.



**Without bevel flush (facet)**

Flush cut for soft materials.

## Diagonal cutting pliers



Diagonal cutting pliers with oval jaws; depending on version with small bevel, large bevel or flush without bevel



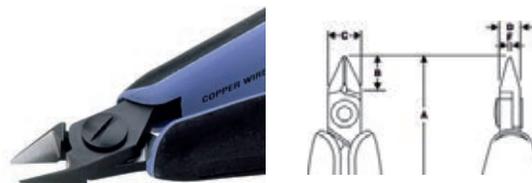
dpvlink 9627

Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8130	8.0	8.5	5.0	0.8	0.2 - 1.0
RX8131	8.0	8.5	5.0	0.8	0.1 - 1.0
RX8132	8.0	8.5	5.0	0.8	0.1 - 0.8
RX8140	10.0	10.5	6.0	0.8	0.2 - 1.25
RX8141	10.0	10.5	6.0	0.8	0.1 - 1.25
RX8142	10.0	10.5	6.0	0.8	0.1 - 1.0
RX8150	12.5	13.0	6.0	1.2	0.3 - 1.6
RX8151	12.5	13.0	6.0	1.2	0.2 - 1.6
RX8152	12.5	13.0	6.0	1.2	0.2 - 1.25
RX8160	16.0	16.0	8.0	1.6	0.4 - 2.0
RX8161	16	16.0	8.0	1.6	0.3 - 2.0
RX8162	16	16.0	8.0	1.6	0.3 - 1.6

## Diagonal cutting pliers



Diagonal cutting pliers with pointed jaws; depending on version with small bevel, large bevel or flush without bevel



dpvlink 9640

Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8143	10.0	10.5	6.0	0.8	0.2 - 1.25
RX8144	10.0	10.5	6.0	0.8	0.1 - 1.25
RX8145	10.0	10.5	6.0	0.8	0.1 - 1.0

## Diagonal cutting pliers



Diagonal cutting pliers with pointed, tapered jaws; depending on version with small bevel, large bevel or flush without bevel



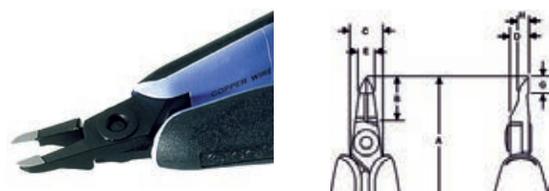
dpvlink 9644

Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8146	10.0	10.5	6.0	0.8	0.1 - 1.0
RX8147	10.0	10.5	6.0	0.8	0.1 - 0.8
RX8148	10.0	10.5	6.0	0.8	0.1 - 0.8

## End cutting pliers



End cutting pliers with small bevel



dpvlink 9648

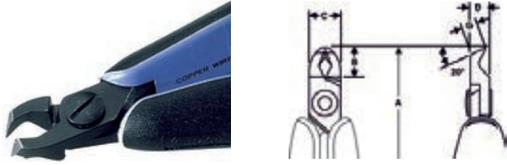
Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8149	10.0	14.0	6.0	5.0	0.1 - 0.6

Precision tools

## Oblique end cutting pliers, 20° bent



Oblique end cutting pliers, bent by 20°; with short jaws and small bevel



dpvlink 9654



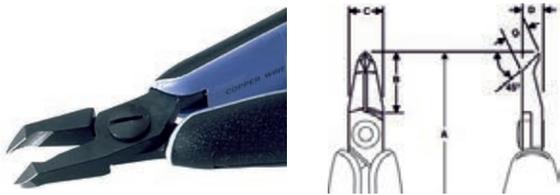
Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8211	10.0	9.5	6.0	4.1	0.2-1.2



## Oblique end cutting pliers, 45° bent



Oblique end cutting pliers with long jaws, bent by 45°, with small bevel



dpvlink 9658



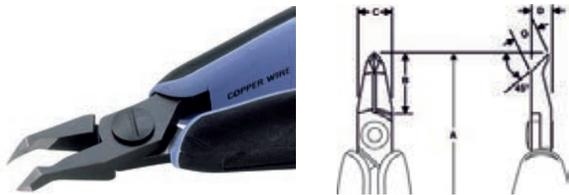
Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8247	10.0	18.0	6.0	6.7	0.2-1.0



## Oblique end cutting pliers, 45° bent



Oblique end cutting pliers with long, tapered jaws, bent by 45°, with small bevel



dpvlink 9660



Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8248	10.0	18.0	6.0	6.7	0.2-0.8



## Micro diagonal cutting pliers, 50°



Micro diagonal cutting pliers with long jaws, bent by 50°, small bevel



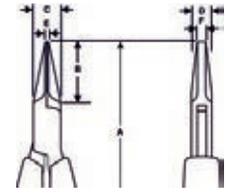
dpvlink 9656



Article	C [mm]	B [mm]	D [mm]	F [mm]	Cu wire [mm]
RX8237	10.6	17.4	7.0	4.1	0.1-0.65



## Flat-nose pliers

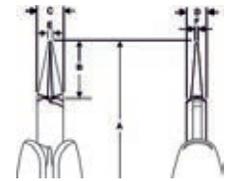


dpvlink 9662



Article	C [mm]	B [mm]	D [mm]	E [mm]	F [mm]
RX7490	9.0	20	6.7	1.2	3.2

## Round-nose pliers



dpvlink 9664

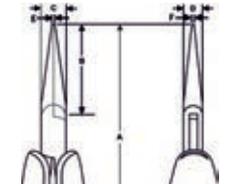


Article	C [mm]	B [mm]	D [mm]	E [mm]	F [mm]
RX7590	9.0	20.0	6.7	1.8	0.9

## Long-nosed pliers



Long-nosed pliers with long jaws



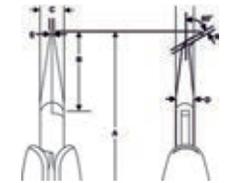
dpvlink 9666



Article	C [mm]	B [mm]	D [mm]	E [mm]	F [mm]
RX7890	9.0	32.0	6.0	1.2	0.8
RX7891	9.0	32.0	6.0	1.2	0.8

-Version RX7891 with cut-

## Long-nosed pliers, 60° bent



dpvlink 9668

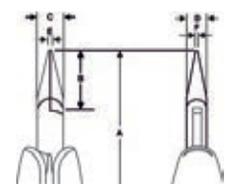


Article	C [mm]	B [mm]	D [mm]	E [mm]	F [mm]
RX7892	9.0	29.0	6.7	1.2	0.8

## Long-nosed pliers



Long-nosed pliers with short jaws

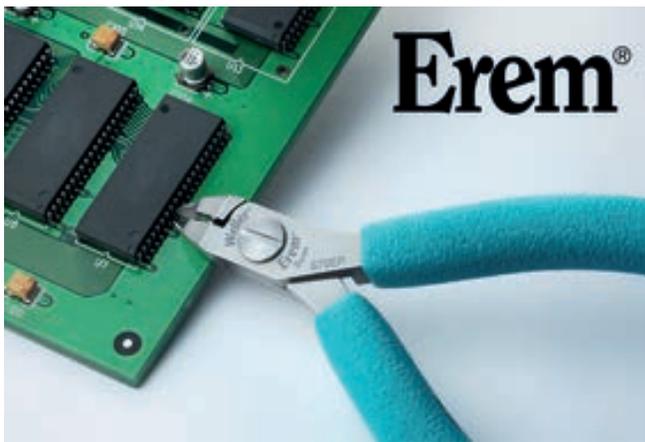


dpvlink 9670



Article	C [mm]	B [mm]	D [mm]	E [mm]	F [mm]
RX7893	9.0	20.0	6.7	1.2	0.8

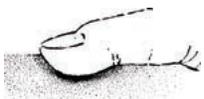
Erem Precision tools



**High-precision joints**  
The double self-locking screw joint with an extremely large movement area minimizes wear and tear.



**Patented opening system**  
For the invisible integration of the springs. The result has proved: no risk of injury, long-lasting, exchangeable.



**Antistatic standard handles**  
Contact resistance between  $10^5$  and  $10^9$  ohm according to MIL standards.



**Stop! Stop system**  
Avoids the crossing (and thus the damaging) of the cutting edges.



**Wire holder (option)**  
Prevents injuries of the eyes and the destruction of devices by uncontrollably separated cutting waste.

The cutting shapes and cutting performance:



**With small bevel (facet)**  
Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



**With large bevel (facet)**  
Suitable for cutting hard and very hard steel wires. Long service life.



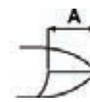
**Without bevel (facet)**  
Flush cut. Extremely sharp cutting edges. Only suitable for soft steel wires, copper wire and cable.



**Without bevel flush (facet)**  
Flush cut for soft materials.

Erem 500 / 600 series

Diagonal cutting pliers Micro 612N / 622N / 632N Erem®

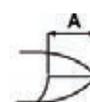


dpvlink 2397

Article	L [mm]	A [mm]	Max Cu
612N small bevel	110	9.0	1.3 mm
622N large bevel	110	9.0	1.3 mm
632N flush cut	110	10.0	1.3 mm



Diagonal cutting pliers Micro 622NA Erem®

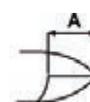


dpvlink 9962

Article	L [mm]	A [mm]	Max Cu
622NA large bevel	110	9.0	1.0 mm



Diagonal cutting pliers Micro 622NB Erem®



dpvlink 2404

Article	L [mm]	A [mm]	Max Cu
622NB large bevel	110	9.0	0.8 mm



Diagonal cutting pliers 512E Erem®



Non-reflecting. The typical general purpose diagonal cutting pliers for robust applications.

dpvlink 2399

Article	L [mm]	A [mm]	Max Cu
512E small bevel	115	12.0	1.6 mm



## Universal diagonal cutting pliers 512N / 522N / 532N **Erem**



**dpvlink 2401**

Article		L [mm]	A [mm]	Max Cu
 512N	small bevel	115	12.0	1.6 mm
 522N	large bevel	115	12.0	1.6 mm
 532N	flush cut	115	12.0	1.6 mm



## Tip cutting pliers 570E **Erem**



To cut at the extreme tip.

**dpvlink 2417**

Article		L [mm]	A [mm]	C [mm]	Max Cu
 570E	large bevel	120	22.0	6.0	0.6 mm



## Tip cutting pliers 573E **Erem**



For fine wires

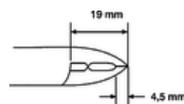
**dpvlink 9965**

Article		L [mm]	A [mm]	Max Cu
 573E	large bevel	125	11.0	0.8 mm



## Tip cutting pliers angled 45° 582E **Erem**

Ideal for working on printed circuit boards.



**dpvlink 2414**

Article		L [mm]	A [mm]	C [mm]	Max Cu
 582E	large bevel	115	10.0	6.0	1.3 mm



## Tip cutting pliers, angled **Erem**



With a wide, but sturdy head for universal cutting tasks

**dpvlink 9967**

Article		L [mm]	A [mm]	Max Cu
 503E	large bevel	115	10.5	1.6 mm



## DIL contact cutting pliers 30° 593AE **Erem**



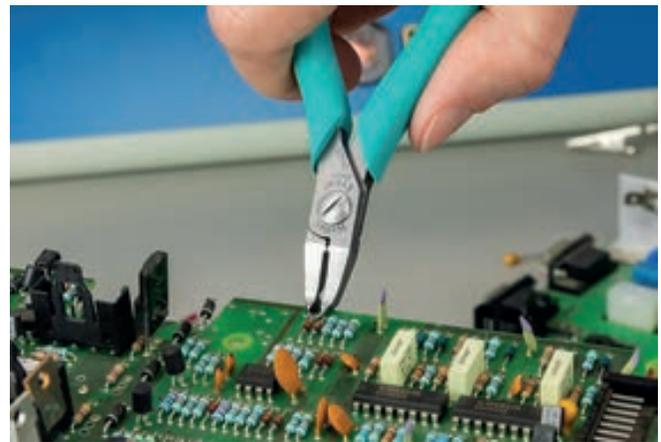
For the use on tightly equipped printed circuit boards. Useful maintenance tool.

**dpvlink 2807**

Article	A [mm]	C [mm]
 593AE	20.0	6.0



## Erem "2400 MagicSense" series



The ESD safe series 2400 MagicSense combines high-quality processing, precision and cutting comfort. The ergonomically shaped MagicSense handles prevent fatigue of the hand. The cutting edges are produced by using a special hardening process and can be re-sharpened ensuring a high service life.

## Diagonal cutting pliers 2412E **Erem**



Diagonal cutting pliers, oval and sturdy head for universal use, high cutting capacity, for soft and thin wires.

**dpvlink 8725**

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
 2412E	130	12.0	11.0	6.0	1.6 mm



## Diagonal cutting pliers 2422E **Erem**



Diagonal cutting pliers, with oval and robust head for universal use. For soft and thin wires of medium thickness.

**dpvlink 8727**

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
 2422E	130	12.0	11.0	6.0	1.6 mm



## Diagonal cutting pliers 2432E

Erem®



Diagonal cutting pliers, narrow, oval head. Perfect flush cut, with razor-sharp cut. Only for soft wires.

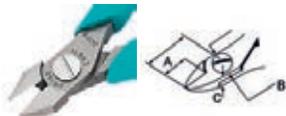
dpvlink 8729

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2432E	130	12.0	11.0	6.0	1.6 mm



## Diagonal cutting pliers beveled 2477E

Erem®



Diagonal cutting pliers, beveled, pointed head, for working on narrow, difficult to reach areas.

dpvlink 8731

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2477E	127	12.0	11.0	6.0	1.3 mm



## Tip cutting pliers 2470E

Erem®



Tip cutting pliers, straight, beveled head. For horizontal cutting and easier access to narrow places. Only for thin wires, cuts at the extreme tip.

dpvlink 8733

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2470E	140	20.0	11.0	6.0	0.6 mm



## Tip cutting pliers 30° angled 2403E

Erem®



Tip cutting pliers angled by 30°, wide and robust head, fine cut, for universal cutting tasks.

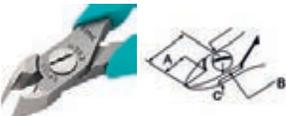
dpvlink 8735

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2403E	127	9.0	11.0	6.0	1.6 mm



## Tip cutting pliers 30° angled 2404E

Erem®



Tip cutting pliers angled by 30°; fine, rounded head. Fine cut for universal cutting tasks.

dpvlink 8737

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2404E	127	9.3	11.0	6.0	1.3 mm



## Tip cutting pliers 45° angled 2482E

Erem®



Tip cutting pliers angled by 45°, medium size, suitable for working on printed circuit boards or for cutting DIL component etc, can be used at 90° as well as at 180°.

dpvlink 8739

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2482E	135	15.0	11.0	6.0	1.0 mm



## Tip cutting pliers 45° angled 2475E

Erem®



Tip cutting pliers angled by 45°, narrow head. For fine work on hybrid circuits or micro components, as well as narrow, difficult to reach places.

dpvlink 8741

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2475E	135	13.0	11.0	6.0	0.6 mm



## Diagonal cutting pliers beveled 2476TX1

Erem®



High-precision diagonal cutting pliers, beveled head. Tungsten-carbide cutting edges, narrow head for working on narrow places, e.g. stainless wires, catheters and spirals.

dpvlink 8743

Article	L [mm]	A [mm]	B [mm]	C [mm]	Max Cu
2476TX1	128	10.0	11.0	6.0	1.0 mm



## Needle-nose pliers 2411P

Erem®



Needle-nose pliers with very precise, finely rounded jaws.

dpvlink 8745

Article	L [mm]	A [mm]	B [mm]	C [mm]	G [mm]
2411P	150	33.2	11.0	6.0	1.2



## Needle-nose pliers 2411PD

Erem®



Needle-nose pliers, inside serrated, very precise, finely rounded jaws.

dpvlink 8747

Article	L [mm]	A [mm]	B [mm]	C [mm]	G [mm]
2411PD	150	33.2	11.0	6.0	1.2



## Flat-nose pliers 2442P

Erem®



Flat-nose pliers with fine jaws, precisely crafted edges e.g. for gripping flat workpieces.

dpvlink 8749

Article	L [mm]	A [mm]	B [mm]	C [mm]	G [mm]
2442P	146	33.2	11.0	6.0	1.2



## Round-nose pliers 2443P



Round-nose pliers with very precise, fine jaws for bending wires.

dpvlink 8750

Article	L [mm]	A [mm]	B [mm]	C [mm]
2443P	146	30.5	11.0	6.0



## Erem 2400 MagicSense



Consisting of:

- 2412E diagonal cutting pliers series 2400 MagicSense with bevel, oval head
- 2482E tip cutting pliers series 2400 MagicSense, with small bevel, narrow head
- 2411P needle-nose pliers series 2400 MagicSense

dpvlink 10766

Article	Ausführung
2400KMS	Erem 2400 MagicSense



## Erem Toolset universal



Consisting of:

- XP600 precision screwdriver set for electronics
- 2412E diagonal cutting pliers of series 2400 MagicSense with bevel, oval head
- 2442P flat-nose pliers of series 2400 MagicSense
- 622NB tip cutting pliers, with large bevel, relieved, long, fine head
- AASA precision tweezers
- 2ASASL precision tweezers

dpvlink 10764

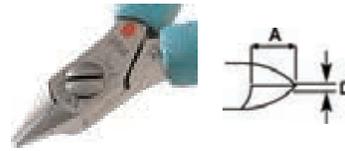
Article	Ausführung
3600KU	Erem Toolset universal



## Erem 700 series

fo a perfect flush cut

### Diagonal cutting pliers 792E



With fine, long tips (13 mm). For fine copper wires

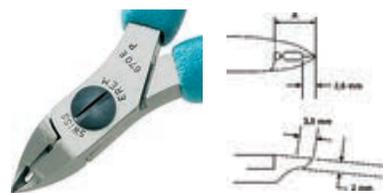
dpvlink 2430

Article	L [mm]	A [mm]	Max Cu	D [mm]
792E	115	12.0	0.6 mm	19.0



## Erem SMD tools

### Tip cutting pliers 670EP



High-precision tip cutting pliers for SMD and micro case contacts up to 0.25 mm, also for grid smaller 1/20", application e.g. as a replacement for hot air or desoldering systems that damage the printed circuit board very often.

dpvlink 2432

Article	L [mm]	A [mm]
670EP	110	10.0



## Erem Forming tools

### Forming tool 500-103A



Forming pliers for bending flat parts, contacts, power transistors, TRIAC connections, etc. at right angle.

dpvlink 2471

Article	L [mm]	B [mm]
500-103A	120	15



### Forming tool 500-104A



Bends components T0126, 218, 220 power transistors, etc. by 90° on two rows. Adjustable with screw.

dpvlink 2481

Article	L [mm]	B [mm]
500-104A	120	13.0



**Forming tool**



**Erem®**

Forming pliers for component connections etc. in U-shape by axial forming.

dpvlink 2459

Article	L [mm]	A [mm]
554A	120	23.0



**Erem Special pliers**

**Precision stripping pliers**



**Erem®**

Adjustable, for front stripping 0.25 - 1.02 mm (AWG 18 - 30).

dpvlink 2504

Article	L [mm]	A [mm]
510AE	120	27.0



**Bending pliers**



Inside serrated.

**Erem®**

dpvlink 2509

Article	L [mm]	A [mm]	C [mm]
544D	120	23	6.0



**Diagonal cutting pliers 884E**



Relieved head for working on narrow places. Flush cut, small bevel.

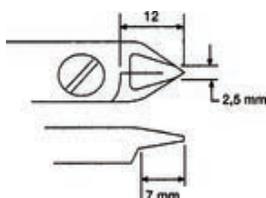
**Erem®**

dpvlink 2519

Article	L [mm]	A [mm]	D [mm]	Max Cu
884E	120	15.0	21.0	1.6 mm



**Diagonal cutting pliers 884EPC**



**Erem®**

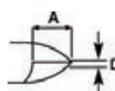
Simple diagonal cutting pliers for separating PCBs.

dpvlink 2536

Article	L [mm]
884EPCM	115



**Diagonal cutting pliers 886E**



**Erem®**

Relieved head for working on narrow places. Robust head. Flush cut, small bevel.

dpvlink 2541

Article	L [mm]	A [mm]	D [mm]	Max Cu
886E	120	15.0	21.0	1.8 mm



**Distance cutting pliers**



With fixed cutting length

**Erem®**

dpvlink 9969

Article	L [mm]	A [mm]	Max Cu	Bevel
530E06	120	20.0	1.2 mm	large bevel
530E08	120	20.0	1.2 mm	large bevel
530E10	120	20.0	1.2 mm	large bevel
530E12	120	20.0	1.2 mm	large bevel
530E13	120	20.0	1.2 mm	large bevel
530E15	120	20.0	1.2 mm	large bevel



**Distance cutting pliers**



With fixed cutting length

**Erem®**

dpvlink 9974

Article	L [mm]	A [mm]	Max Cu	Bevel
549E	120	20.0	1.2 mm	large bevel
549E10	120	20.0	1.2 mm	large bevel
549E12	120	20.0	1.2 mm	large bevel



**Distance cutting pliers 530E15A**



With variable cutting length

**Erem®**

dpvlink 9978

Article	L [mm]	A [mm]	Max Cu	Bevel
530E15A	125	11.0	1.2 mm	large bevel



## Stripping / crimping

### Stripping tools Piergiacomini



#### Stripping tool SF-30.D



Patented, adjustable cable stripping pliers. Strips without damaging the wires. Length 141 mm, CU Ø 0.20-0.64 mm, 32-22 AWG



dpvlink 2285

Article Type

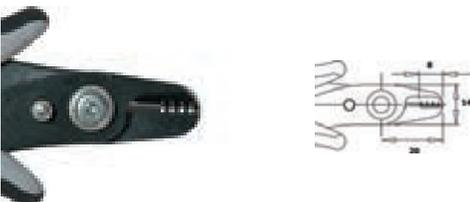
SF-30.D Stripping tool SF-30.D



#### Stripping tool SFF-30.D



Not adjustable cable stripping pliers. On request available with other dimensions. Length 141 mm, CU Ø 0.32-0.51 mm, 28-24 AWG



dpvlink 2291

Article Type

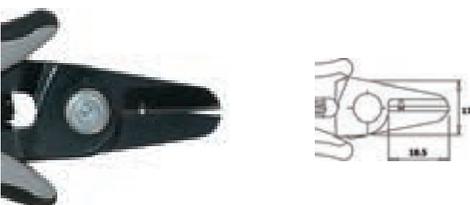
SFF-30.D Stripping tool SFF-30.D



#### Stripping tool CSF 30.D



Cable stripping shears. Excellent cutting properties with a groove for stripping. Length 144 mm, CU Ø 0.40-1.30 mm, 26-16 AWG



dpvlink 2293

Article Type

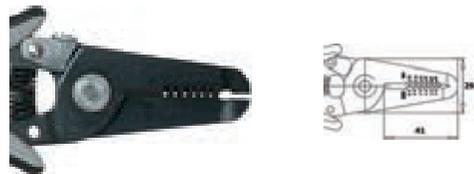
CSF-30.D Stripping tool CSF 30.D



#### Stripping tool CSP-30.1.D



Multi-purpose tool, resistant. Offers three different functions: SHEARS, CABLE STRIPPER, PLIERS. Length 165 mm, CU Ø 0.25-0.81 mm, 30-20 AWG



dpvlink 2298

Article Type

CSP-30.1.D Stripping tool CSP 30.1.D



#### Stripping tool CSP.30.2.D



Multi-purpose tool, resistant. Offers three different functions: SHEARS, CABLE STRIPPER, PLIERS. Length 165 mm, CU Ø 0.81-2.59 mm, 20-10 AWG



dpvlink 2300

Article Type

CSP-30.2.D Stripping tool CSP.30.2.D



#### Cable tie cutting pliers CSP.30.4.D



Cable tie cutting pliers with clean cut for the removing of synthetic tapes/cable ties. Length 160 mm, max. Cu-Ø 10 mm, 000 AWG



dpvlink 22003

Article Type

CSP-30.4.D Stripping tool CSP.30.4.D



## Stripping / crimping tools CK

### Multifunctional stripper



for the stripping, cutting and crimping of wires; hardened steel blades for a long service life; automatic stripping of wires without adjustment; crimping of insulated and uninsulated terminal clamp; micro adjusting knob allows the stripping of wires of less 0.2 mm<sup>2</sup>.

Capacities:

- Stripping: 0.2 - 6.0 mm<sup>2</sup> (copper or aluminium wire)
- Cutting: Wire with HRC 40-50
- Crimping: 1.2; 2.5; 6.0 mm insulated terminal clamps and 1.5; 2.5; 4.0 and 6.0 mm uninsulated terminal clamps, as well as uninsulated ring terminal

dpvlink 10607

Article	Type
495001	Multifunctional stripper



### Crimping pliers for wire end ferrules

Ratchet crimping pliers made of high-quality steel alloy with comfortable handles for crimping wire end ferrules; with blocking system and ground pressing jaws for a long and accurate crimping. Guarantees up to 30.000 crimp connections. With quick release lever, pressure setting, tested for a 100% correct dimensioning.



dpvlink 10565

Article	L [mm]	Capacity	AWG
430018	190	0.14 - 2.5 mm <sup>2</sup>	26 - 14
430029	190	0.25 - 6.0 mm <sup>2</sup>	20 - 10
430022	230	10.0 - 25.0 mm <sup>2</sup>	8 - 3



### Crimping pliers for terminal clamps

Ratchet crimping pliers for insulated terminal clamps; color-coded for terminal clamps (red, blue and yellow); for cross-section 0.5-6 mm<sup>2</sup> / 20-10 AWG; pliers made of high-quality steel alloy with comfortable handles; with blocking system and ground jaws for a long and precise crimping. Guarantees up to 30,000 crimp connections; with quick release lever, with pressure setting. Tested for a 100% correct dimensioning; length: 220 mm



dpvlink 10563

Article	L [mm]	Capacity	AWG
430021	220	0.5 - 6.0 mm <sup>2</sup>	20 - 10



### ESD Precision stripping tool, adjustable



Adjustable ESD Precision stripping tool, made of dissipative material; adjustable to each 6 cable diameter; suitable for PVC, Teflon and other material; 50 mm scale with 1 mm division and adjustable length stop; specially hardened blades

dpvlink 19323

Article	Max Cu
3757ESD-1	0.12 - 0.40 mm
3757ESD-2	0.25 - 0.80 mm
3757ESD-3	0.30 - 1.0 mm



### ESD stripping pliers Ecotronic



### ESD stripping pliers Ecotronic



For a safe and non-damaging stripping of fine, insulated solid wire in applications during which damage caused by electrostatical charge must be avoided at all costs. Six preset blade pares for the stripping of the envelope of insulated, solid core wires.



dpvlink 21294

Article	AWG	Max Cu	L [mm]
3893.ESD	20 - 30	0.2 - 0.8 mm	168
3894.ESD	16 - 26	0.4 - 1.3 mm	168
3895.ESD	10 - 20	0.8 - 2.6 mm	168



### Stripping tools Knipex

### Stripping pliers ISO 1000V



For single-, multi- and fine-wired conductors insulated with plastic / rubber, easy adjustment by knurled nut and lock nut, opening spring, special tool steel.

dpvlink 8938

Article	L [mm]	Diameter	Capacity	AWG
K-1106.160	160	5.0 mm	10.0 mm <sup>2</sup>	7



### Stripping diagonal cutting pliers ISO 1000V



Insulated, VDE-certified stripping cutting pliers, with precision stripping holes for single wire (massive) conductors. Induction-hardened precision cutting edges for soft wire (Ø up to 4.0 mm). Cutting hardness approx. 60 HRC, made of vanadium electric steel.

dpvlink 8955

Article	L [mm]	Capacity	AWG
K-1426.160	160	1.5 - 2.5 mm <sup>2</sup>	15 - 13



## Automatic stripping pliers



Gentle stripping of fine wires, clamping jaws hold the wire while stripping. Length stop for constant stripping lengths in serial work. Pressure spring to reach the starting position, robust light metal body.

**dpvlink 8940**

Article	L [mm]	Diameter	Capacity	AWG
K-1211.180	180	0.5 - 2.0 mm		
K-1221.180	180		0.5 - 6.0 mm <sup>2</sup>	20 - 9



## Universal stripping pliers



Easy stripping of difficult-to-process insulating materials such as Teflon®, silicone, RADOX®, Kapton® and rubber as well as multi-layer insulation. No damaging of conductors by precisely ground forming blades. Gentle stripping of fine wires; length stop, smooth-running mechanism, high ease of use due to the handy, compact design; 4 exchangeable blades.

**dpvlink 8943**

Article	L [mm]	Capacity	AWG
K-121202.195	195	0.03 - 2.08 mm <sup>2</sup>	32 - 14
K-121206.195	195	0.14 - 6.0 mm <sup>2</sup>	26 - 10
K-121210.195	195	2.5 - 10.0 mm <sup>2</sup>	13 - 7



## Stripping pliers, self-adjusting



For single, multi- and fine-wired conductors insulated with plastic/rubber. Automatically adjusting to conductor cross-section. Cutting depth readjustable. Smooth-running mechanism, easily exchangeable blades and plastic clamping jaws with wire cutters (multi-wired up to 10 mm<sup>2</sup>, single-wired up to 6 mm<sup>2</sup>), low weight, case made of tough, glass fiber reinforced plastic.

**dpvlink 8947**

Article	L [mm]	Capacity	AWG	Length stop
K-1240.200	200	0.03 - 10.0 mm <sup>2</sup>	32 - 7	3.0 - 18.0 mm



## Stripping pliers, self-adjusting



Fully automatic adjustment to the different insulation thicknesses depending on the cross-section; automatic setting of the cutting depth; clamping jaws made of steel with integrated cutting edges, with wire cutters (multi-wired up to 10 mm<sup>2</sup>, single-wired up to 6 mm<sup>2</sup>); tough, glass fiber reinforced plastic case.

**dpvlink 8951**

Article	L [mm]	Capacity	AWG
K-1242.195	195	0.03 - 10.0 mm <sup>2</sup>	32 - 7



## Stripping pliers, self-adjusting



Compact standard tool with slim head shape; for single-, multi- and fine-wired conductors; automatic adjustment to the conductor cross-section; high ease of use due to the handy and light design; length stop, wire cutters up to 2.5 mm<sup>2</sup>, easily exchangeable blades, case made of tough, glass fiber reinforced plastic; with ergonomic soft plastic zone in the handles.

**dpvlink 8953**

Article	L [mm]	Capacity	AWG
K-1262.180	180	0.2 - 6.0 mm <sup>2</sup>	24 - 10



## Crimping tools Knipex

High-quality crimping pliers by Knipex for the professional crimping of wire end ferrules, plugs and cable connectors.

### Wire end ferrule pliers



Wire end ferrule pliers for the crimping of wire end ferrules according to DIN 46228 parts 1 + 4, crimping in marked trapeze profiles for a safe connection of sleeve and conductor, vanadium steel.

**dpvlink 8998**

Article	L [mm]	Capacity	AWG
K-9762.145A	145	0.25 - 2.5 mm <sup>2</sup>	23 - 13



### Wire end ferrule pliers



Wire end ferrule pliers for the crimping of wire end ferrules according to DIN 46228 parts 1 + 4, especially suitable for the working on difficult to reach places, e.g. in narrow and deep electrical cabinets, special tool steel.

**dpvlink 9000**

Article	L [mm]	Capacity	AWG
K-9772.180	180	0.25 - 16.0 mm <sup>2</sup>	23 - 5



## Self-adjusting crimping pliers with square crimp

Crimping pliers with square crimp for the crimping of wire end ferrules. For standard, solderless, electrical connections, lateral insertion of the wire end ferrules, easy handling by self-adjustment, high ease of use, low weight, constantly high crimping quality by restraint lock (unlockable); crimping pressure factory-set; reinforcement by leverage.



dpwlink 8991

Article	L [mm]	Capacity	AWG
K-975304.180	180	0.08 - 10.0 mm <sup>2</sup>	28 - 7



## Self-adjusting crimping pliers with hexagonal crimp

Crimping pliers with hexagonal crimp for a approximately circular crimping, especially suitable for confined connection dimensions; self-adjusting for automatic adjusting the size of wire ferrules and with ratchet mechanism for repetitive, high crimping quality; reliable hexagonal crimping of wire ferrules or 0.08 to 16 mm<sup>2</sup> by simply turning and setting the adjusting wheel and all twin wire ferrules up to 2 x 18 mm<sup>2</sup> (AWG 2 x 8)



dpwlink 8995

Article	L [mm]	Capacity	AWG
K-975314.180	180	0.08 - 16.0 mm <sup>2</sup>	6 - 10



## Self-adjusting crimping pliers with square crimp

Crimping pliers with square crimp. For the crimping of wire end ferrules; for standard, solderless, electrical connections. Frontal insertion of the wire end ferrules; easy handling by self-adjustment, high ease of use, low weight, constantly high crimping quality due to restraint lock (unlockable); crimping pressure factory-set. Power increase by leverage.



dpwlink 8993

Article	L [mm]	Capacity	AWG
K-975308.190	180	0.08 - 10.0 mm <sup>2</sup>	28 - 7



## Crimping lever pliers

For solderless electrical connections. New leverage reduces 30% of the manual force compared to customary crimping pliers. Constantly high crimping quality by precision profiles and restraint lock (unlockable). Crimping pressure factory-set. Two-hand operation for large conductor cross-sections, good handling, balanced center of gravity, angled head and ergonomic handles.



dpwlink 8977

Article	L [mm]	Capacity	AWG
K-975204.250	250	0.1 - 2.5 mm <sup>2</sup>	27 - 13
K-975205.250	250	0.5 - 6.0 mm <sup>2</sup>	20 - 10
K-975206.250	250	0.5 - 6.0 mm <sup>2</sup>	20 - 10
K-975208.250	250	0.25 - 6.0 mm <sup>2</sup>	23 - 10



## Crimping pliers "PeciForce"

For solderless, electrical connections; high crimping quality by precision profiles and restraint lock (unlockable); precisely factory-set crimping pressure (calibrated). High power increase by leverage for low-fatigue work, good handling position, low weight, short, ergonomic design.



dpwlink 8982

Article	L [mm]	Capacity	AWG
K-975230.220	220	1.5 - 10.0 mm <sup>2</sup>	15 - 7
K-975233.220	220	0.5 - 10.0 mm <sup>2</sup>	20 - 7
K-975234.220	220	0.1 - 2.5 mm <sup>2</sup>	27 - 13
K-975235.220	220	0.5 - 6.0 mm <sup>2</sup>	20 - 10
K-975236.220	220	0.5 - 6.0 mm <sup>2</sup>	20 - 10
K-975237.220	220	0.5 - 6.0 mm <sup>2</sup>	20 - 10
K-975238.220	220	0.25 - 6.0 mm <sup>2</sup>	23 - 10
K-975250.220	220		



## Positioning aids for K-975235.220



**dpvlink 9020**

Article	Type
K-974994	Positioning aids for K-975235.220
K-974995	Positioning aids for K-975235.220



## Crimping pliers for Western plugs



Professional tool for cutting and stripping of flat, unshielded telephone cables. For the crimping of 6- and 8-pin Western plugs (RJ-11 / 12, RJ45). Exact crimping process by parallel crimping; constantly high crimping quality by restraint lock (unlockable), power increase by leverage for low-fatigue work; length cutter and dismantling knife for ribbon cables of 6 and 12 mm length, with stripping function for round cable.



**dpvlink 8973**

Article		L [mm]
K-975110.190	Crimping pliers for Western plugs RJ 11/12 (6-pin) / RJ 45 (8-pin)	190



## Crimping pliers for Western plugs



Professional tool for the cutting and stripping of flat, unshielded telephone cables for the crimping of 4-, 6-, 8-pin Western plugs. (type RJ10, RJ 11 / 12, RJ45). Exact crimping process by parallel crimping. Constantly high crimping quality due to restraint lock (unlockable), power increase by leverage for low-fatigue work; length cutter and dismantling knife for ribbon cables of 6 and 12 mm length.



**dpvlink 8975**

Article		L [mm]
K-975112.200	Crimping pliers for Western plugs RJ 10 (4-pin) / RJ 11/12 (6-pin) / RJ 45 (8-pin)	200



**dpvlink 9018**

Article	Type
K-975906	4 replacement blades for K-975112.200



## Crimp assortment for cable connectors



Crimp assortments for cable connectors, in the TANOS MINI-systainer® (stable plastic box), with two stackable plastic inserts with 6 trays for connectors, including a range of standard cable connectors

**dpvlink 9004**

Article	Type
K-979021	<b>Crimp assortment for cable connectors</b> for cable connectors, with crimping pliers K-975236.220 and cable connectors, each with 25 pieces of K-97 99 01 / 02 / 14 / 15 / 16 / 17 / 18 / 34 / 35 and each with 20 pieces of K-97 99 21 / 22 / 36 in the TANOS MINI-systainer®
K-979022	<b>Crimp assortments for cable connectors</b> for cable connectors with crimping pliers K-975236.220, stripping pliers K-1242.195 and cable connectors each with 25 pieces of K-97 99 01 / 02 / 14 / 15 / 16 / 17 / 18 / 34 / 35 and each with 20 pieces of K-97 99 21 / 22 / 36 in the TANOS MINI-systainer®



## Crimp assortments for wire end ferrules



Crimp assortments for wire end ferrules, in the TANOS MINI-systainer® (stable plastic box), with two stackable plastic inserts with 6 trays for connectors, with an assortment of wire end ferrules with / without plastic collar

**dpvlink 9017**

Article	Type
K-979023	<b>Crimp assortment for wire end ferrules</b> Crimp assortment for cable connectors ++ KNIPEX++, with K-975236.220 crimping pliers and wire end ferrules, per 200 pieces 0.5 / 0.75 / 1.0 / 1.5 / 2.5 mm <sup>2</sup> , per 100 pieces 4.0 / 6.0 mm <sup>2</sup> , in the TANOS MINI-systainer®
K-979017	<b>Crimp assortment for wire end ferrules</b>



High-precision stripping tool

High-precision stripping tool MiniStrip



The new MiniStrip stripping tool especially designed for cables with small diameters. An absolutely precise and accurate repeatability in the stripping of wire ends is ensured by the four-blade system.

The coating is removed by cutting with rotating blades and strip-off in one single operation, strands are twisted at the same time, depending on the stripping length and cable. This method allows the easy processing of optical fibers, coaxial cables, and teflon-coated cables.



The high-precision stripping tool MiniStrip is quickly adjusted to different diameters and lengths by a calibrated scale. A locking screw allows the blocking of the diameter adjustment. The high-quality processing guarantees an accurate repeatability of the tool.

Properties

- Conductor diameter of 0.16 to 1.5 mm (15-34 AWG), according to insulation type 0.10 mm is possible (38 AWG)
- Maximum cable diameter 2.5 mm
- Stripping length up to 15 mm
- Stripping head with four-blade system
- Rotary cutting
- No damage of the conductors
- Stepless adjustment of diameter and length
- Mobile, can be used anywhere, no power supply required
- Suitable for PVC, Teflon, Kynar, and Kapton insulation

dpvlink 15170

Article	Type
NI-010065	<b>MiniStrip standard</b> with 4 HSS blades
NI-010070	<b>MiniStrip Titan</b> 4 titanium-coated carbide blades and centering device
NI-010131	<b>MiniStrip advanced set (without MiniStrip)</b> Carrying case including table holder and tweezers as well as recesses for MiniStrip and blade sets
NI-010075	<b>Replacement blades HSS</b> Set = 4 pieces
NI-010079	<b>Replacement blades Titan</b> Set = 4 pieces



Other tools

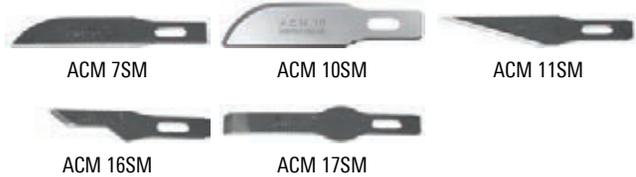
Scalpels and scissors

Scalpel series 1



Scalpel handle and blades for all industrial applications

- high-quality materials - scalpel handle made of aluminium, scalpel blade made of carbon steel
- round handle
- easy exchange of the blades



dpvlink 16049

Article	Type	PU
I-ACMH1	Scalpel handle 1 with scalpel blade ACM 11SM	1
I-ACM10SM	Scalpel blade ACM 10SM	5
I-ACM11SM	Scalpel blade ACM 11SM	5
I-ACM16SM	Scalpel blade ACM 16SM	5
I-ACM17SM	Scalpel blade ACM 17SM	5
I-ACM7SM	Scalpel blade ACM 7SM	5

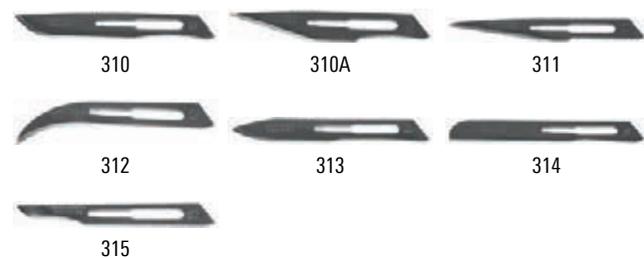


Scalpel series 3



Scalpel handles and blades for all industrial applications

- small blades
- high-quality materials
- ergonomically shaped handle
- easy exchange of the blades



dpvlink 16017

Article	Type	Material	PU
I-HANDLE-3	Scalpel handle 3	Stainless steel	1
I-HANDLE-5A	Scalpel handle 5A	Acrylic / blade holder of nickel	1
I-310	Scalpel blade 310	Carbon steel	5
I-310A	Scalpel blade 310A	Carbon steel	5
I-311	Scalpel blade 311	Carbon steel	5
I-312	Scalpel blade 312	Carbon steel	5
I-313	Scalpel blade 313	Carbon steel	5
I-314	Scalpel blade 314	Carbon steel	5
I-315	Scalpel blade 315	Carbon steel	5



## Scalpel series 4



Scalpel handles and blades for all industrial applications

- large blades
- high-quality materials
- ergonomically shaped handles
- easy exchange of the blades



dpvlink 16031

Article	Type	Material	PU
I-HANDLE-4	Scalpel handle 4	Stainless steel	1
I-HANDLE-6A	Scalpel handle 6A	Acrylic / blade holder of nickel	1
I-418	Scalpel blade 418	Carbon steel	5
I-419	Scalpel blade 419	Carbon steel	5
I-420	Scalpel blade 420	Carbon steel	5
I-421	Scalpel blade 421	Carbon steel	5
I-422	Scalpel blade 422	Carbon steel	5
I-423	Scalpel blade 423	Carbon steel	5
I-424	Scalpel blade 424	Carbon steel	5
I-425A	Scalpel blade 425	Carbon steel	5
I-426	Scalpel blade 426	Carbon steel	5
I-436	Scalpel blade 436	Carbon steel	5

## Scalpel series 5



Scalpel handles and blades for all industrial applications

- high-quality materials - scalpel handle made of plastic (blade holder made of aluminium), scalpel blade made of carbon steel
- easy exchange of the blades



dpvlink 16059

Article	Type	PU
I-ACMH5	Scalpel handle 5 with scalpel blade ACM 28SM	1
I-ACM18SM	Scalpel blade ACM 18SM	5
I-ACM22SM	Scalpel blade ACM 22SM	5
I-ACM24SM	Scalpel blade ACM 24SM	5
I-ACM28SM	Scalpel blade ACM 28SM	5
I-ACM2SM	Scalpel blade ACM 2SM	5

## Scalpel Trimaway



Scalpel with plastic handle and fixed blade made of carbon steel

Delivery including blade protection



dpvlink 16069

Article	Type	PU
I-2338	Scalpel Trimaway	1

## Scalpel Retractable



Scalpel with metal handle and exchangeable blade made of carbon steel (retractable)

Delivery including 5 x scalpel blade I-310A

Scalpel Retractable can be combined with all scalpel blades of series 3



dpvlink 16071

Article	Type	PU
I-2339	Scalpel Retractable	1

## Scalpel set



Scalpel set consisting of:

- scalpel handles 1, 2 and 5
- scalpel blades ACM 2SM (2x), ACM 3SM (2x), ACM 11SM, ACM 7SM, ACM 10SM, ACM 16SM, ACM 17SM, ACM 18SM, ACM 22SM, ACM 24SM and ACM 28SM



dpvlink 16073

Article	Type
I-ACM-Set	Scalpel set

CK



**Technician's case with/without basic equipment**



Professional case, robust, washable, free-standing; equipped with essential tools; specially protected inside pocket for a notebook or sensitive equipment; two inside pockets for documents with carrying and shoulder straps.

**dpvlink 10569**

Article	Type
2630MA	<b>Technician's case</b> (without equipment, empty)
1630FKIT	<b>Technician's case with basic equipment</b> small metal saw, cable stripping knife Jokari, automatic stripping pliers, VDE screwdrivers for terminal strips size 1 and 2 (combination PZD/slotted), VDE slotted screwdrivers 3 x 75 mm and 4 x 100 mm, VDE Phillips screwdrivers size 1 and 2, VDE Pozidriv screwdrivers size 1 and 2, voltage tester 65 mm, VDE combination pliers 205 mm, VDE diagonal cutting pliers 160 mm, VDE long-nosed pliers 175 mm, measuring tape 5 M, electrician's knife, universal cross-shaped key, (electrical cabinet key), plasterboard saw

2630MA **Technician's case**  
(without equipment, empty)

1630FKIT **Technician's case with basic equipment**  
small metal saw, cable stripping knife Jokari, automatic stripping pliers, VDE screwdrivers for terminal strips size 1 and 2 (combination PZD/slotted), VDE slotted screwdrivers 3 x 75 mm and 4 x 100 mm, VDE Phillips screwdrivers size 1 and 2, VDE Pozidriv screwdrivers size 1 and 2, voltage tester 65 mm, VDE combination pliers 205 mm, VDE diagonal cutting pliers 160 mm, VDE long-nosed pliers 175 mm, measuring tape 5 M, electrician's knife, universal cross-shaped key, (electrical cabinet key), plasterboard saw



**Scissors for fiberglass**



Fiberglass scissors especially for Kevlar fiber and many others materials. Blades of high-alloy carbon steel with molybdenum and vanadium blades. Suitable for left- and righthanders.

**dpvlink 21576**

Article	L [mm]	Weight [g]
4505	160	90



**Insertion tool**



For the insertion of telecommunication and data cables into terminal clamps; wires are crimped and cut in one single operation; suitable for a variety of different terminal blocks e.g. crowns and similar products; handle contains a wire extractor hook and a grooving tool

**dpvlink 10596**

Article	Type
495033	Insertion tool



**Electrical cabinet key**



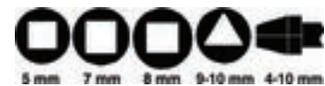
Universally usable electrical cabinet key for locking systems in the fields of electrical, air-conditioning and ventilation technology, electrical cabinets, etc.; includes 4 inserts, square in 6 and 8 mm, triangular in 8 mm, double wing; a bit adapter for 8 mm square and a double bit for Phillips screws size 2 and slotted screws 1.0 x 7 mm are also supplied

**dpvlink 10559**

Article	Type
4455	<b>Electrical cabinet key</b>



**Cross-shaped key**



Universally applicable cross-shaped key for locking systems in the fields of gas and water supply, electrical, industrial, air-conditioning and ventilation, sanitary installations, electrical cabinets, etc.; includes 4 inserts: square 5, 7 and 8 mm, triangular in 8/9 mm and tapered square for sizes from 4 to 10 mm, is delivered with bit adapter for 8 mm square and double bit for Phillips screws size 2 and slotted screws 1.0 x 7 mm

**dpvlink 10561**

Article	Type
495015	<b>Cross-shaped key</b>



**Adjustable wrench**



with "Sure Drive" mouth profile - grips the screws heads and nuts at the sides and not at the corners thus avoiding a "spinning"; made of chrome-vanadium steel, matt chromed - especially robust and protected against rust; comfortable soft handle; metric and inch scale / mouth 18% wider than the standard models. With advices concerning the direction of rotation to protect the screws.

**dpvlink 10603**

Article	L [mm]	Mouth
4365.150	150	24 mm
4365.200	200	28 mm
4365.250	250	33 mm
4365.300	300	38 mm



**Inspection mirror**



stainless steel; avec adjustable joint; mirror diameter 24 mm, total length 195 mm

**dpvlink 10587**

Article	L [mm]	Ø
5911.20	164	20 mm



Precision tools

## Telescopic inspection mirror



made of stainless steel; with joint adjustable on all sides; with pocket clip

dpvlink 10589



Article	L [mm]	Ø
5912.38	125 - 685	38 mm
5912.55	125 - 560	55 mm

## Telescopic inspection mirror 55 mm



made of stainless steel; with joint adjustable on all sides; with plastic handle, mirror diameter 55 mm, length 250-780 mm

dpvlink 10594



Article	L [mm]	Ø
5914.55	250 - 780	55 mm

## Telescopic inspection mirror 32 mm



made of stainless steel; with joint adjustable on all sides; with pocket clip; mirror diameter 32 mm, length 180-520 mm

dpvlink 10592



Article	L [mm]	Ø
5913.32	180 - 250	32 mm

## Pocket spirit level



Multifunctional pocket spirit level with removable level part; with horizontal and vertical level; with magnetic base; the removable part has also a magnetic base and can be used as line level.

dpvlink 10576



Article	Type
3482	Pocket spirit level

## Measuring tape



complies with accuracy class II; made of robust, handy-shaped ABS plastic case with adjusting and stop knob; with belt clip. Tapes with abrasion-resistant nylon coating for wear and corrosion resistance; with metric scale; equipped with recoil dampers (5 m version)

dpvlink 10600



Article	Type
3442.M5	Measuring tape 5 m
3442.M3	Measuring tape 3 m

## Wiha



## MagicRing® hexagon ballpoint offset screwdriver set



9-piece set, matt chrome-plated, with MagicRing® of spring steel (from size 3 mm) holds all standard screws in any position, ballpoint allows the screwing at an angle of up to 25°. With space-saving ErgoStar holder for an easy removal.

dpvlink 21865



Article	Type
369R.H9	MagicRing® hexagon ballpoint offset screwdriver set Sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10

## Hexagon L-key set



11-piece L-key set, nickel-plated, with MagicRing® of chrome-vanadium-steel, compact fits perfectly into any folding rule pocket.

dpvlink 21869



Article	Type
352.H11	Hexagon L-key set Sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10

## TORX® screwdriver set



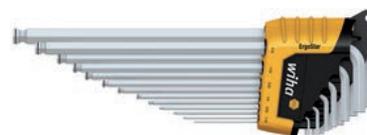
13-piece TORX® set, of steel and titanium silver, completely hardened. Simple and quick removal.

dpvlink 21871



Article	Type
366.SZ13TS	TORX® screwdriver set Sizes: TX5, TX6, TX7, TX8, TX9, TX10, TX15, TX20, TX25, TX27, TX30, TX40, TX45

## MagicRing® Hexagon L-key set (inch version)



14-piece L-key set, chrome-vanadium-steel, with MagicRing® of spring steel (from 1/8"), holds all standard screws in each position, ballpoint allows the screwing at an angle of up to 25°. Space-saving ErgoStar holder for easy removal

dpvlink 26462



Article	Type
369R.HZ14	MagicRing® Hexagon L-key set (inch version) Sizes: 0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8

### Magnetizer



for magnetizing and demagnetizing of blades and similar tools made of steel

dpvlink 10806

Article	Type
400.10	Magnetizer



### Dial caliper dialMax® ESD



Scale 0.1 mm, made of electrostatically dissipative material, shock-proof dial, round scale adjustable to zero, comparative measurements possible. Outdoor, indoor, depth and stage measurements, for all working on electrostatically sensitive components.

dpvlink 8633

Article	Type
314392.ESD	Dial calipers dialMax® ESD Scale: 0.1 mm



### Hexagon ballpoint MagicRing® PocketStar® fold-out holder



7-piece fold-out holder, galvanically finished blades with MagicRing®, made of spring steel (from size 3 mm); holds all standard screws in each position, ballpoint allows the screwing at an angle of up to 25°.

dpvlink 9559

Article	Type
369R.P7	Hexagon ballpoint MagicRing® PocketStar® fold-out holder Sizes: 2, 2.5, 3, 4, 5, 6, 8



### TORX® PocketStar® fold-out holder



8-piece fold-out holder, galvanically finished blades

dpvlink 9563

Article	Type
363.P8	TORX® PocketStar® fold-out holder Sizes: TX9, TX10, TX15, TX20, TX25, TX27, TX30, TX40



### TORX® Tamper resistant PocketStar® fold-out holder



8-piece fold-out holder, galvanically finished blades, with hole.

dpvlink 9565

Article	Type
363TR.P8	TORX® Tamper resistant PocketStar® fold-out holder Sizes: TX9H, TX10H, TX15H, TX20H, TX25H, TX27H, TX30H, TX40H



### Knipex



Knipex tools made of chrome-vanadium electric steel. In proven quality for individual use.

### Pen-style electrical cabinet key



Pen-style electrical cabinet key easy to transport with fixing clip, four different key profiles can be utilized by folding out (square, triangular, double-bit inside/outside). With universal 1/4" bit holder and bit PH2. For electrical cabinets, barrier systems, air conditioning and ventilation systems, shut-off valves, main switchboards etc.

dpvlink 9555

Article	Type
K-001107	Pen-style electrical cabinet key Square 5 / 6 / 8 mm, triangular 9 mm Double-bit ø 5 mm (inside) / ø 9 mm (outside)



### Water pump pliers SmartGrip



Automatic adjustment, one-hand operation; fine adjustment for favourable position of the handles; slim design, high stability, self-clamping on the workpiece protects against slipping; trap protection prevents contusions, gripping surfaces with specially hardened teeth (61 HRC), chrome-vanadium electric steel

dpvlink 8916

Article	L [mm]	Nut Ø	Tube Ø
K-8501.250	250	36 mm	1 1/4 inch



### Pliers wrench



Ideal for gripping, holding, pressing and bending of workpieces; no damage to edges of sensitive components due to backlash-free contact. Quick adjustment by pushing a button on the workpiece, no accidental adjustment of the gripping jaws; replaces a complete set of wrenches; stepless gripping of all width across flats, action between the gripping jaws allows a fast tightening and release by ratchet principle. High clamping force due to a tenfold increase of the manual force.

dpvlink 9552

Article	L [mm]	Nut Ø	Tube Ø
K-8605.180	180	40 mm	1 1/2 inch
K-8605.250	250	52 mm	2 inch



## Hightech water pump pliers Cobra



Quick, comfortable adjustment by pushing a button directly on the workpiece; fine adjustment for optimal adaption, high stability, self-clamping on the workpiece protecting from slipping; clamping protection prevents contusions, gripping surfaces with specially hardened teeth (61 HRC), chrome-vanadium electric steel

### dpvlink 8918

Article	L [mm]	Nut Ø	Tube Ø
K-8701.150	150	30 mm	1 1/4 inch
K-8701.180	180	36 mm	1 1/2 inch
K-8701.250	250	46 mm	2 inch
K-8701.300	300	60 mm	2 3/4 inch
K-8701.400	400	95 mm	3 1/2 inch
K-8701.560	560	120 mm	4 1/2 inch



## Water pump pliers Cobra...matic



The proven Cobra with automatic adjustment; pliers can be opened with one hand, directly adjustable on the workpiece, closes by pushing a button; integrated spring is protected in the inner part of the handle; gripping surfaces with specially hardened teeth (61 HRC), chrome-vanadium electric steel

### dpvlink 8925

Article	L [mm]	Nut Ø	Tube Ø
K-8711.250	250	46 mm	2 inch



## Multiple slip joint spanner



Replaces a complete set of wrenches. Backlash-free gripping of metric or imperial hexagon screw heads (no rounding), reliable and tight gripping of rounded, rusty or varnished nuts and screws. Ideal for locking nuts, high stability, trap protection prevents contusions, one-hand fine adjustment.

### dpvlink 8936

Article	L [mm]	Nut Ø	Tube Ø
K-8741.250	250	10 - 32 mm	3/8 - 1 1/4 inch



## Water pump pliers Cobra ES



Slim design, long, pointed jaws; one-hand fine adjustment via button on the workpiece, reliable locking of joint bolt, no accidental adjustment, high stability, reliable gripping on flat parts by three-point support, self-clamping; trap protection prevents contusions; chrome-vanadium electric steel.

### dpvlink 8934

Article	L [mm]	Nut Ø	Tube Ø
K-8751.250	250	34 mm	1 1/4 inch



## Water pump pliers Alligator



High stability, self-clamping on tubes and nuts; trap protection prevents contusions, favorable leverage for optimal power transmission, gripping surfaces with specially hardened teeth (61 HRC), chrome-vanadium electric steel.

### dpvlink 8928

Article	L [mm]	Nut Ø	Tube Ø
K-8801.180	180	36 mm	1 1/2 inch
K-8801.250	250	46 mm	2 inch
K-8801.300	300	60 mm	2 3/4 inch



## Water pump pliers Alligator ISO 1000V



Insulated, VDE tested, high stability, self-clamping on tubes and nuts; trap protection prevents contusions, favorable leverage for optimal power transmission; gripping surfaces with specially hardened teeth (61 HRC), chrome-vanadium electric steel.

### dpvlink 8932

Article	L [mm]	Nut Ø	Tube Ø
K-8806.250	250	46 mm	2 inch



## Pneumatic cutter

### The cutting shapes and cutting performance:



#### With bevel (facet)

Normal cut. Suitable for cutting hard and soft steel wires as well as soft materials such as copper wire and cable.



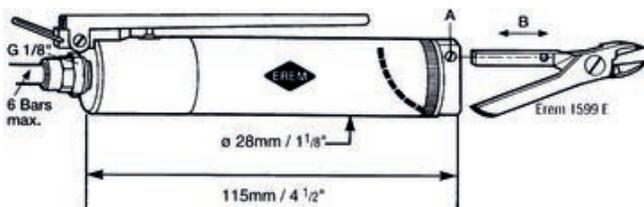
#### Without bevel (facet)

Flush cut. Extremely sharp cutting edges. Only suitable for soft steel wires, copper wire and cable.

### Erem pneumatic cutter 1500BSF

**Erem®**

The Erem 1500BSF is a small, light and precise pneumatic tool. The variety of different cutting heads makes the pneumatic cutter Erem 1500 BSF a very versatile tool, e.g. for the cutting of conventional components, soft metals or small plastic parts. It requires 4-6 bar oil-free, clean compressed air.



**dpvlink 3446**

Article	Type
1500BSF	Pneumatic cutter incl. hose, stronger version



### Cutting head 1503E

**Erem®**

Tip cutter angled by 30°, without bevel, special tool steel, non-reflective; max. CU Ø 1.2 mm



**dpvlink 6014**

Article	Type
1503E	Cutting head 1503E



### Cutting head 1512N

**Erem®**

Diagonal cutting pliers, oval head with small bevel, special tool steel, non-reflective, max. CU Ø 1.6 mm



**dpvlink 6015**

Article	Type
1512N	Cutting head 1512N



### Cutting head 1522N

**Erem®**

Diagonal cutting pliers, oval head, for planar cut without bevel, special tool steel, non-reflective, max. CU Ø 1.6 mm



**dpvlink 6021**

Article	Type
1522N	Cutting head 1522N



### Cutting head 1522NB

**Erem®**

Diagonal cutting pliers, recessed head for better access in narrow places, without bevel, special tool steel, non-reflective, max. CU Ø 1.2 mm



**dpvlink 6020**

Article	Type
1522NB	Cutting head 1522NB



### Cutting head 1522NA

**Erem®**

Diagonal cutting pliers, beveled head for a better access in narrow places, without bevel, non-reflective, max. CU Ø 1.4 mm



**dpvlink 6018**

Article	Type
1522NA	Cutting head 1522NA



# Pneumatic cutter

## Pneumatic cutter TPP



The pneumatic cutting pliers TPP is a small, precise, handy tool for the cutting of components.  
The pneumatic cutting pliers consists of a basic tool that can be equipped with cutting heads.



Technical data:

Compressed air supply: 5-6 bar  
Cutting force of the cylinder: 220 N (22 kg)

**dpvlink 3406**



Article	Type
TPP	Pneumatic cutter TPP without cutting head

## Pneumatic cutter TPP complete tool



**dpvlink 3408**



Article	Type
TPP-Set	<b>Pneumatic cutter TPP, including</b> cutting heads TP-6000/TR-6000/TR-6000-R and carrying case
TPP-TP6000	<b>Pneumatic cutter TPP-TP 6000</b> cutting & bending, max 1.02 mm 18 AWG, complete
TPP-TP6000-15	<b>Pneumatic cutter TPP TP 6000-15</b> cutting & bending 30°, max 1.02 mm 18 AWG, complete
TPP-TS6000	<b>Pneumatic cutter TPP-TS 6000</b> cutting and squeezing, max 1.3 mm 16 AWG, complete
TPP-TR6000	<b>Pneumatic cutter TPP-TR 6000</b> angle cut, max 1.60 mm 14 AWG, complete
TPP-TR6000-10	<b>Pneumatic cutter TPP-TR 6000-10</b> cut 1.0 mm above the PCB, max. 1.6 mm 14 AWG, complete
TPP-TR6000-13	<b>Pneumatic cutter TPP-TR 6000-13</b> cut 1.3 mm above the PCB, max. 1.6 mm 14 AWG, complete
TPP-TR6000-15	<b>Pneumatic cutter TPP-TR 6000-15</b> cut 1.5 mm above the PCB, max. 1.6 mm 14 AWG, complete
TPP-TR6000R	<b>Pneumatic cutter TPP-TR 6000 R</b> straight cut, max 1.60 mm 14 AWG, complete
TPP-TR6000PR	<b>Pneumatic cutter TPP-TR 6000 PR</b> straight cut / without bevel, max. 1.3 mm 16 AWG, complete

## Pneumatic cutter TPP cutting heads, complete



**dpvlink 3416**



Article	Type
TP-6000	<b>Cutting head TP 6000 for TPP</b> cutting & bending, max 1.02 mm / 18 AWG
TP-6000-15	<b>Cutting head TP 6000-15 for TPP</b> cutting & bending, max 1.02 mm / 18 AWG
TS-6000	<b>Cutting head TS 6000 for TPP</b> cutting and squeezing, max 1.3 mm / 16 AWG
TR-6000	<b>Cutting head TR 6000 for TPP</b> angle cut, max 1.60 mm / 14 AWG
TR-6000-10	<b>Cutting head TR 6000-10 for TPP</b> smooth distance cut 1.0 mm, max 1.6 mm / 14 AWG
TR-6000-13	<b>Cutting head TR 6000-13 for TPP</b> smooth distance cut 1.3 mm, max 1.6 mm / 14 AWG
TR-6000-15	<b>Cutting head TR 6000-15 for TPP</b> smooth distance cut 1.5 mm, max 1.6 mm / 14 AWG
TR-6000-R	<b>Cutting head TR 6000 R for TPP</b> straight cut, max 1.6 mm / 14 AWG
TR-6000-PR	<b>Cutting head TR 6000 PR for TPP</b> smooth cut, max 1.3 mm / 16 AWG

## Replacement blade for cutting heads pneumatic cutter TPP



**dpvlink 15438**



Article	Type
TSR-6000	<b>Replacement blade for cutting head TP 6000</b> cutting & bending, max 1.02 mm / 18 AWG
TSR-6000-15	<b>Replacement blade for cutting head TP 6000-15</b> cutting and bending, max 1.02 mm / 18 AWG
CL-TS-6000	<b>Replacement blade for cutting head TS 6000</b> cutting and squeezing, max 1.3 mm / 16 AWG
CL-6000	<b>Replacement blade for cutting head TR 6000</b> angle cut / with bevel, max. 1.60 mm / 14 AWG
CL-6000-10	<b>Replacement blade for cutting head TR 6000-10</b> smooth distance cut 1.0 mm, max 1.6 mm / 14 AWG
CL-6000-13	<b>Replacement blade for cutting head TR 6000-13</b> smooth distance cut 1.3 mm, max 1.6 mm / 14 AWG
CL-6000-15	<b>Replacement blade for cutting head TR 6000-15</b> smooth distance cut 1.5 mm, max 1.6 mm / 14 AWG
CL-6000-R	<b>Replacement blade for cutting head TR 6000 R for TPP</b> straight cut, max 1.6 mm / 14 AWG
CL-6000-PR	<b>Replacement blade for cutting head TR 6000 PR</b> smooth cut, max 1.3 mm / 16 AWG

## Processing tools

### Zipp-Zapp

Special pliers for removing plugs on packaging rails



**Application:**  
Place the Zipp-Zapp vertically and close it.  
When closing the pliers, razor-sharp grippers slide under the head of the plug. A receiving pocket holds the plug tight so that it cannot fall into the machines and devices.  
Tilt the Zipp Zapp sideways.

dpvlink 2403

Article	Type
8860002.DPV	Zipp-Zapp



### PLCC Extractor



Universally usable for all PLCC components (20-124 pins); made of dissipative plastic; hooks made of stainless, hardened steel; for the use in ESD areas; with spring for an automatic opening.



dpvlink 10598

Article	Type
2371	PLCC Extractor



## Handling systems

### VAMPIRE vacuum pipette

#### VAMPIRE pick-up tool



The pick-up tool "VAMPIRE" is a handy and battery-free tool, ideal for the handling and positioning of SMD components. Excellent suction capacity and its high-performance suction nozzles allow the lifting of components up to the weight of 120 g. Due to the electrical conductivity of all components, the pick-up tool "VAMPIRE" can be used in ESD protected areas.

#### Scope of delivery:

- pick-up tool "VAMPIRE" (ESD compatible)
- ESD suction nozzle straight
- ESD suction nozzle bent 45°
- 3 x ESD suction cup Ø 4 mm, Ø 6 mm and Ø 9 mm
- lubricant set

dpvlink 15168

Article	Type
694.200	VAMPIRE pick-up tool

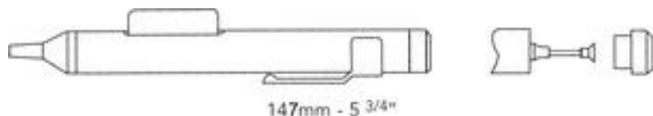


## PEN-VAC and accessories



With this PEN-VAC, a vacuum pipette without external pump, it is possible to lift, to transport and putting down small components with a smooth surface up to a weight of 200 g. The pipette itself has a weight of less than 50 g. It is smaller than a ballpoint pen and is equipped with a clip. A reserve sleeve for suction nozzles and rubber is available.

### PEN-VAC-ORIGINAL vacuum pipette



Complete set, including 6 suction nozzles (straight and bent in  $\varnothing$  9.53 mm,  $\varnothing$  6.35 mm,  $\varnothing$  3.18 mm)

dpvlink 2232

Article Type

694.030 **PEN-VAC ORIGINAL - V8901-LMS-ESD.Set**  
Length 147 mm, incl. 6 suction nozzles

694.031 **PEN-VAC ORIGINAL - V8901-ESD**  
Length 147 mm, without suction nozzles / suction cups

### PEN-VAC PRO SERIES vacuum pipette



Set complete, including 4 suction nozzles ( $\varnothing$  9.53 mm, 2 x  $\varnothing$  6.35 mm,  $\varnothing$  3.18 mm)

dpvlink 7673

Article Type

694.005 **PEN-VAC PRO SERIES - V8910-ESD.Set**  
Length 127 mm, incl. 4 suction nozzles

694.006 **PEN-VAC PRO SERIES - V8910-ESD**  
Length 127 mm, without suction nozzles / suction cups

### HANDY-VAC



Set, complete with 4 or 6 suction nozzles

dpvlink 7679

Article Type

694.000 **HANDY-VAC "KIT" HV-6/ESD**  
Length 70 mm, incl. 6 suction nozzles (straight and bent in  $\varnothing$  9.53 mm,  $\varnothing$  6.35 mm,  $\varnothing$  3.18 mm)

694.002 **HANDY-VAC "KIT" HV-4/ESD**  
Length 70 mm, incl. 4 suction nozzles (1 suction nozzles in  $\varnothing$  9.53 mm,  $\varnothing$  6.35 mm,  $\varnothing$  3.18 mm bent by 45° + 1 suction nozzle  $\varnothing$  6.35 mm straight)

694.001 **HANDY-VAC - ESD**  
Length 70 mm, without suction nozzles / suction cups

## PAC-VAC portable ESD



Portable vacuum handling system, battery-operated (9V alkaline, 8 hours operating time), with 1.2 m spiral hose wire ( $\varnothing$  1.6 mm), set with 7 vacuum tips VCS-7-B, vacuum pipette V3020-RF-1/16, with belt / pocket clip on the housing, weight 156 g.

dpvlink 12212

Article Type

694.120 **PAC-VAC Portable ESD**

### ESD suction nozzles with suction cup - accessories/replacement



The ESD suction nozzles with suction cup are suitable for the use up to 230°C (445°F). Can be used for other systems due to standard socket.

dpvlink 2236

Article Version Diameter

694.044BB	straight	2.38 mm
694.045BB	bent	2.38 mm
694.032	straight	3.18 mm
694.033	bent	3.18 mm
694.046	straight	4.76 mm
694.047	bent	4.76 mm
694.034	straight	6.35 mm
694.035	bent	6.35 mm
694.036	straight	9.53 mm
694.037	bent	9.53 mm
694.038	straight	12.70 mm
694.039	bent	12.70 mm
694.040	straight	15.88 mm
694.041	bent	15.88 mm
694.042	straight	19.05 mm
694.043	bent	19.05 mm

### ESD suction cups accessories/replacement



The ESD suction cups are suitable for the use up to 230°C (445°F).

dpvlink 7657

Article Version Diameter

694.045-BB.S	standard	2.38 mm
694.033.S	standard	3.18 mm
694.047.S	standard	4.76 mm
694.035.S	standard	6.35 mm
694.037.S	standard	9.53 mm
694.039.S	standard	12.70 mm
694.041.S	standard	15.88 mm
694.043.S	standard	19.05 mm

# Machines Devices



## PCB processing

PCB separators.....	504
Off-cut remover.....	510

## Component Processing

Axial components.....	512
Radial components.....	516
Pneumatic cutting machines.....	519
Cut-off saw.....	521

## Counting devices / balances

Component counting devices.....	521
Component counting balances.....	523

## PCB separators

### MAESTRO 2 / 2M

#### MAESTRO 2 manual / MAESTRO 2 M with motor

The compact MAESTRO 2 separates PCBs in a quick and economical way, needs only a small work space.



#### MAESTRO 2

The inexpensive entry-level model for the small demand. The PCB is manually fed between the circular blades and separated.

#### MAESTRO 2 M with motor

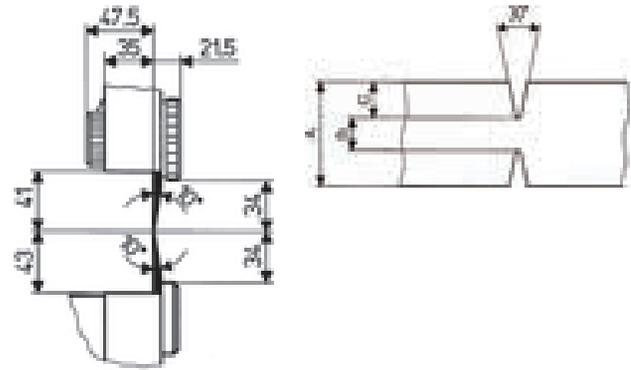
Separates larger quantities without fatigue. The lower circular blade is driven by a motor. The PCB is inserted, the circular blade seizes, transports and separates it. Three speeds can be chosen.

#### Strain of the components

For critical components an upper limit of the tensile stress is often determined. Please ask us for the possibilities to reduce the tensile stress of the component.

#### Safe handling

The PCB is inserted and separated. The distance between the upper guide **1** and the lower guide **2** is set so low that the PCB can only be fed in the pre-scored groove.



- Maximum height of the component on the pre-scored groove.
- The pre-scored groove can be interrupted by cut-outs of up to 5 mm length.

#### PCB

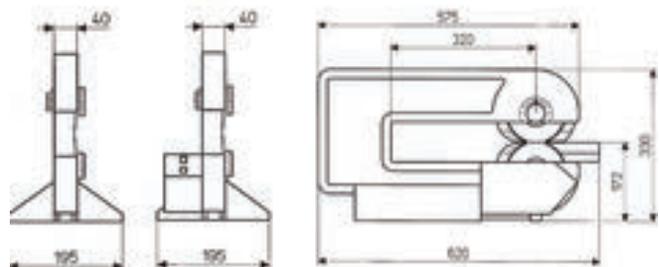
PCB thickness A:	0.8 - 3.2 mm
Remaining thickness B typical:	1/3 of size A, max. 0.8 mm
Depth of scoring C:	min. 0.25 mm
Extension of the external dimensions after the separation:	0.1 - 0.2 mm

#### Technical data

Separation principle:	Component side: circular blade Solder side: circular blade
Separation process:	MAESTRO 2 manual MAESTRO 2 M motor drive
Separation speed:	2M 100/200/300 mm / sec.
Cutting length:	15-300 mm
Supply voltage:	switchable, 2M 230/115 V ^ 50-60 Hz
Grounding push button:	Ø 10 mm
Operating temperature:	10 - 35°C
Storage / transport temperature:	20 - 50°C
Humidity non-condensing:	10 - 85 %
Safety requirements:	CE, FCC class 1
Weight:	MAESTRO 2 16 kg MAESTRO 2 M 19 kg
Dimensions H x W x D:	330 x 195 x 620 mm

The products meet the safety requirements of the EC directives. An EC declaration of conformity is supplied with the devices.

#### MAESTRO 2 MAESTRO 2M



#### dpmlink 5393

Article	Type
8933900	PCB separator MAESTRO 2, manual
8933935	PCB separator MAESTRO 2 M, with motor



## MAESTRO 3E

### MAESTRO 3E



The MAESTRO 3E separates large and small PCBs. The table and the rest are steplessly adjustable to the best working position. The distance between linear blade and the rest can be adjusted in such a way that the edge strips fall through and sorted out.

#### Strain of the components

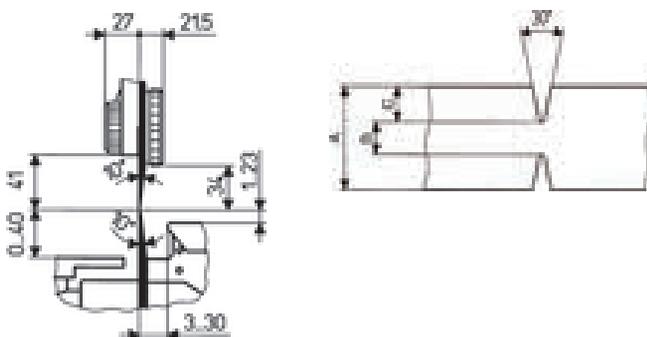
For critical components an upper limit of the tensile stress is often determined. Please ask us for the possibilities to reduce the tensile stress of the component.

#### Safe handling

The PCB is placed with the pre-scored groove onto the linear blade. The circular blades are drawn by hand across the PCB. The distance between the upper guide and the linear blade is adjusted in such a way that the PCB can only be separated in the pre-scored groove.



The pre-scored groove can arbitrarily be interrupted by cut-outs.



For protruding parts the linear blade must be recessed. Request if necessary.

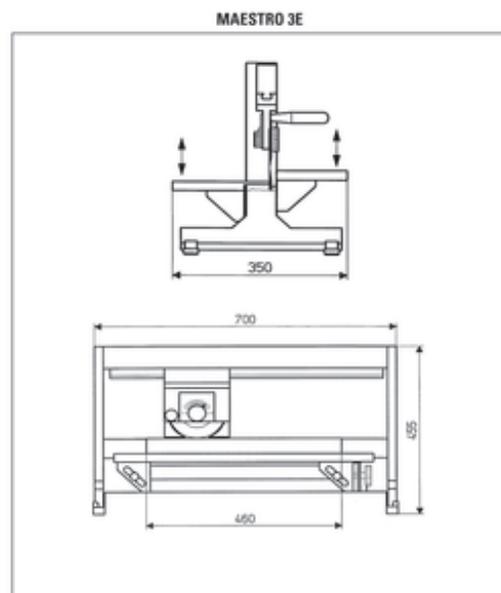
#### PCB

PCB thickness A:	0.8 - 3.2 mm
Remaining thickness B typical:	1/3 of size A, max. 0.8 mm
Depth of scoring C:	min. 0.25 mm
Extension of the external dimensions after the separation:	0.1 - 0.2 mm

#### Technical data

Separation principle:	Component side: circular blade Solder side: linear blade
Separation process:	manual
Cutting length:	max. 450 mm
Grounding push button:	Ø 10 mm
Operating temperature:	10 - 35°C
Storage / transport temperature:	20 - 50°C
Humidity non-condensing:	10 - 85 %
Safety requirements:	CE, FCC class 1
Weight:	22 kg
Dimensions H x W x D:	455 x 350 x 700 mm

The products meet the safety requirements of the EC directives. An EC declaration of conformity is supplied with the devices.



#### dpmlink 5471

Article 8933945 Type **PCB separator MAESTRO 3E / 450 manual**  
Cutting length of max. 450 mm



## MAESTRO 4S

### MAESTRO 4S



#### Stressless cutting of pre-scored PCBs

MAESTRO 4S meets your expectations of versatility for the following requirements:

- Directly to the pre-scored groove there are sensitive equipped components
- You cut PCBs with a width of up to 3.2 mm
- Aluminium PCBs have to be cut

The PCB separator MAESTRO 4S moves across the pre-scored groove in up to five operation steps. During this procedure the distance of the blades is reduced in programmable steps between 0.6 mm and 0.05 mm. Up to eight programs can be stored in the control panel.

Moving across the pre-scored groove for several times minimizes tensile and pressure and thus the danger that sensitive components located near the pre-scored groove are damaged. Thick PCBs of FR4 or aluminium are cut without rest by this procedure.

Increasing the factory-set blade distance by 0.1 mm already reduces the tensile and pressure strength by 50 %. Increasing the mm, the stress is minimized by more than 10 times

#### Technical data:

Separation principle	component side: circular blade solder side: linear blade
Separation process	optimized, motorized
Separation speed	300, 500 mm/s, switchable
Materials	FR4, aluminium
Height of component	component / solder side up to 34 mm
Separation length	up to 450 mm (model 4S / 450) up to 600 mm (model 4S / 600)
Depth of support table	200 mm
Voltage	100 - 240 VAC, 50/60 Hz
Emission sound pressure level	LpA < 70 dB (A)
Temperature / operation	+ 10 - 35°C / 10 - 85 %
Humidity storage	0 - 60°C / 20 - 80 %
not condensing transport Transport	- 25 - 60°C / 20 - 80 %
Width x height x depth	702 x 434 x 425 mm (model 4S / 450) 852 x 434 x 425 mm (model 4S / 600)
Weight	38 kg (model 4S / 450) 46 kg (model 4S / 600)
Approvals	CE, FCC Class A

#### Programming

Start	Go to start position
Programs	9
Separating steps	1 - 5
Blade distance	0.9 - 0.05 mm
Key button	Unlock program selection
Display cutting performance	up to 99 km
DEL	Reset the steps
Power switch	ON/OFF
Foot switch	START separation process
Safety swith	Emergency stop

#### dpvlink 17676



Article	Type
8936800	<b>PCB separator MAESTRO 4S / 450</b> with motor drive, cutting length 450 mm with upper circular blade for FR4 PCBs (art.Nr. 8930509)
8936800-ALU	<b>PCB separator MAESTRO 4S / 450</b> with motor drive, cutting length 450 mm with circular blade for aluminium PCBs (art.Nr. 8936895)
8936745	<b>PCB separator MAESTRO 4S / 600</b> with motor drive, cutting length 600 mm with upper circular blade for FR4 PCBs (art.Nr. 8930509)
8936745-ALU	<b>PCB separator MAESTRO 4S / 600</b> with motor drive, cutting length 600 mm with circular blade for aluminium PCBs (art.Nr. 8936895)
8931240	<b>Conveyor belt for MAESTRO 4S/450</b>

#### Accessories / spare parts for MAESTRO

#### Spare parts Maestro 2 / 2M



Spare parts	
	8930501.03-DPV <b>Upper circular blade type 03 / in-line DPV</b> with titanium coating for FR4 PCBs
	8930509 <b>Upper circular blade "Ti"</b> with titanium coating for FR4 PCBs
	8933661 <b>Lower circular blade "Ti"</b> with titanium coating
	8930744 <b>Protection upper blade</b>
	8930745 <b>Protection lower blade</b>

## Accessories / spare parts MAESTRO 3E



### Spare parts



8930501.03-DPV **Upper circular blade type 03 / in-line DPV**  
with titanium coating  
for FR4 PCBs



8930509 **Upper circular blade "Ti"**  
with titanium coating  
for FR4 PCBs



8933394 **Linear blade 450 "TI"**



8930602 **Protection 1 / to serial no. 1999**



8936614 **Protection 1 / from serial no. 2000**



8930603 **Protection 2 / to serial no. 1999**



8936615 **Protection 2 / from serial no. 2000**

### Accessories



8970208 **Measuring device**

## Accessories / spare parts MAESTRO 4M and 4S



### Spare parts



8930501.03-DPV **Upper circular blade type 03 / in-line DPV**  
with titanium coating  
for FR4 PCBs



8930509 **Upper circular blade "Ti"**  
with titanium coating  
for FR4 PCBs



8936895 **Upper circular blade "Ti"**  
with titanium coating  
for aluminium PCBs



8933394 **Linear blade 450 "TI"**



8933931 **Linear blade 450 clean "TI"**  
for MAESTRO 4M / 450 clean



8930602 **Protection 1 / to serial no. 1999**



8936614 **Protection 1 / from serial no. 2000**



8930603 **Protection 2 / to serial no. 1999**



8936615 **Protection 2 / from serial no. 2000**



8933933 **Circular blade upper 4M / 70 "TI"**  
Passage height 70 mm

### Accessories



8970208 **Measuring device**

## Spare parts MAESTRO 6



[dpvlink 21957](#)



Article	Type
8936446	<b>Circular blade 60 FR4</b>
8936507	<b>Circular blade 60 ALU</b>
8933682	<b>Linear blade 600</b> Titanium/Nitrite linear blade for Maestro 3, Maestro 4 and Maestro 6
8936480	<b>Measuring device 6/x03</b>

## MAESTRO 6

### MAESTRO 6

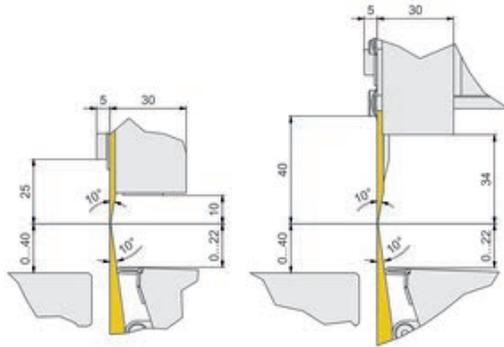


#### PCB Separator MAESTRO 6 for separating pre-scored PCBs

MAESTRO 6 is a further development of the previous CAB PCB separators and can be used to separate PCBs up to 1,200 mm in length in an easy and efficient way and with a minimum of stress on the material. The separation and removal is optimally possible as the power unit of the carriage is right behind the linear blade.

#### Features:

- individually adjustable circular blades
- separation length steplessly adjustable
- ergonomic support table
- indication of the cutting performance



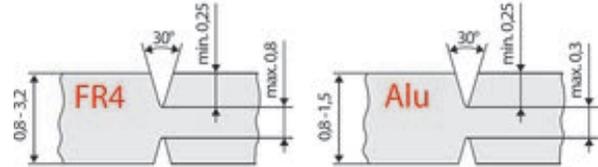
#### Operating keys

- Move carriage to initial position
- Separation length adjustment:
  - PCB separation in two steps
  - PCB separation in three steps
- Separation speed adjustment
- Indication of total cuts (up to 9999)
- Indication of total separation length (up to 9999 km)
- "Emergency stop" safety switch
- Foot switch to start separation



#### Technical data:

Model	6/603	6/903	6/1203
Separation principle component side / solder side	3 circular blades / linear blades		
Separation process	optimized		
Separation speed	up to 500 mm / s		
Material	FR4, CEM3, aluminum		
Height of component component side / solder side	up to 16 mm		
Separation length up to	600 mm	900 mm	1200 mm
Depth of support table	200 mm		
Voltage	100 - 240 VAC, 60 / 60 Hz		
Emission sound pressure level	LpA < 70 dB (A)		
Temperature / humidity operation	+ 5 °C - 40 °C / 10 - 85 % not condensing		
Temperature / humidity storage	+ 0 °C - 60 °C / 20 - 80 % not condensing		
Temperature / humidity transport	-25 °C - 60 °C / 20 - 80 % not condensing		
Weight	40 kg	45 kg	50 kg
Height x depth	350 x 450 mm		
Width	1150 mm	1450 mm	1750 mm
Approvals	CE, FCC, class A		



The pre-scored groove can be interrupted by cut-outs.

Typical 0.2 mm extension of the external dimensions after the separation.

#### dpvlink 21949



Article	Type
8936510	<b>PCB separator MAESTRO 6 / 603</b> with motor drive, cutting length 600 mm with 3 circular blades in the upper part for FR4 PCBs
8936510-ALU	<b>PCB separator MAESTRO 6 / 603</b> with motor drive, cutting length 600 mm with 3 circular blades in the upper part for aluminum PCBs
8936500	<b>PCB separator MAESTRO 6 / 903</b> with motor drive, cutting length 900 mm with 3 circular blades in the upper part for FR4 PCBs
8936500-ALU	<b>PCB separator MAESTRO 6 / 903</b> with motor drive, cutting length 900 mm with 3 circular blades in the upper part for aluminum PCBs
8936490	<b>PCB separator MAESTRO 6 / 1203</b> with motor drive, cutting length 1200 mm with 3 circular blades in the upper part for FR4 PCBs
8936490-ALU	<b>PCB separator MAESTRO 6 / 1203</b> with motor drive, cutting length 1200 mm with 3 circular blades in the upper part for aluminum PCBs
8936570	<b>PCB separator MAESTRO 6 / 1503</b> with motor drive, cutting length 1500 mm with 3 circular blades in the upper part for FR4 PCBs
8936570-ALU	<b>PCB separator MAESTRO 6 / 1503</b> with motor drive, cutting length 1500 mm with 3 circular blades in the upper part for aluminum PCBs

## MAESTRO 5L

### MAESTRO 5L



#### Strain of the components

For critical components an upper limit of the tensile stress is often determined. Please ask us for the possibilities to reduce the tensile stress of the components.

#### MAESTRO 5L

It is an economical machine if large quantities of pre-scored PCBs are separated. Easy handling with the clear control panel. Up to 10 circular blades separate the PCBs, with a width to 310 mm, at the same time. Sensors monitor the separation process. The panels are inserted manually or are automatically fed by a loading station. The installation in an assembly line is also possible. Provided by default: the SMEMA interface. The PCB separator MAESTRO 5L will be adapted to your PCB size and your requirements. Panel widths larger than 310 mm are available on request. A display shows the separation speed, cutting length, and number of panels.

#### Adjustment

The distance between the upper and lower circular blades is precisely adjusted via an eccentric. If service is needed, both shafts with mounted circular blades are simply removed.



Messerwellen

The width of the PCB feeder can be adjusted precisely. The distance of the upper to the lower circular blade is adjusted with a fine thread on the shaft.



MAESTRO 5L mit Untergestell

With an additional conveyor belt for processing of the individual PCBs after the separation.

The conveyor belts, the circular blades and the drive are installed in a robust aluminium housing. The max. panel width is up to 310 mm in case of MAESTRO 5L. Larger PCBs available on request.



#### Safe handling

The handling is easy and comfortable. The feeding of the PCB takes place by hand or automatically within the assembly line, or by a loading station located in front of the line.

The separated PCBs are received by a conveyor belt. Dividers and edge strips fall through into the container below.

From the conveyor belt, the PCBs are taken by hand or passed to a following transport unit for further processing.

A light barrier at the end of the transport distance prevents an unintentional falling of the PCBs.

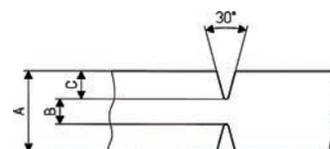
#### Gentle separation

The PCB is separated with nearly zero potential due to the special sharpening of the circular blades.

The distance of the circular blade is adapted with spacer rings to the PCB width according to customer's requirements.

#### PCB

A PCB thickness:	1.0 - 3.2 mm
B remaining PCB thickness:	min. 0.30 mm typical 1/3 of size A max. 0.60 mm
C depth of scoring:	min. 0.30 mm
Extension of the external dimensions after the separation:	0.1 - 0.2 mm



#### Technical data

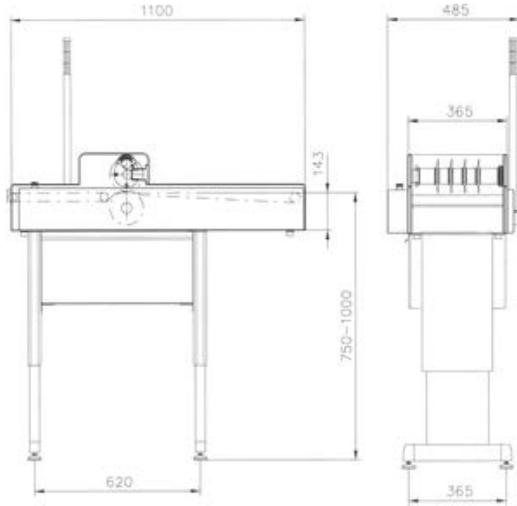
Separation principle:	top circular blade, bottom circular blade
Separation process:	Motor drive
Separation speed:	100-220 mm / sec. adjustable in 10 steps
Cutting length:	with activated light barrier 100-570 mm with deactivated light barrier > 100 mm
Width off-cut:	min. 3 mm
Component height / component side:	max. 30 mm
Component height / solder side:	max. 10 mm
Number of circular blades:	up to 10
Panel width:	up to 310 mm
PCB width:	10-290 mm
Supply voltage:	switchable 115/230 V ^ 50-60 Hz
Operating temperature:	10°C to 35°C
Storage / transport temperature:	-20°C to 50°C
Humidity non-condensing:	10% to 85%
Weight:	63 kg

The devices meet the safety requirements of the EC directives. An EC declaration of conformity is supplied with the devices.

MAESTRO 5L with control light (Note: control light is included in the standard scope of delivery.)

**Scope of delivery:**

- Maestro 5L with base frame
- Number of circular blades as requested
- Support and holder handles
- Adjustment device for blade change



[dpvlink 5663](#)



Article	Type
8934520	<b>MAESTRO 5L</b> PCB separator MAESTRO 5L standard version including construction, clean version, cleaning brushes and second SMEMA, bottom guide, blade covering, putting into operation and training, <b>without blade shaft pair</b>
893XXX.MW2	<b>Blade shaft pair with 2 blades "Ti"</b> and spacer rings for PCBs with 1 pre-scored groove
893XXX.MW4	<b>Blade shaft pair with 4 blades "Ti"</b> and spacer rings for PCBs with 2 pre-scored grooves
893XXX.MW6	<b>Blade shaft pair with 6 blades "Ti"</b> and spacer rings for PCBs with 3 pre-scored grooves
893XXX.MW8	<b>Blade shaft pair with 8 blades "Ti"</b> and spacer rings for PCBs with 4 pre-scored grooves
893XXX.MW10	<b>Blade shaft pair with 10 blades "Ti"</b> and spacer rings for PCBs with 5 pre-scored grooves
893XXX.MW12	<b>Blade shaft pair with 12 blades "Ti"</b> and spacer rings for PCBs with 6 pre-scored grooves
893XXX.MW14	<b>Blade shaft pair with 14 blades "Ti"</b> and spacer rings for PCBs with 7 pre-scored grooves
893XXX.MW16	<b>Blade shaft pair with 16 blades "Ti"</b> and spacer rings for PCBs with 8 pre-scored grooves
893XXX.MW18	<b>Blade shaft pair with 18 blades "Ti"</b> and spacer rings for PCBs with 9 pre-scored grooves
893XXX.MW20	<b>Blade shaft pair with 20 blades "Ti"</b> and spacer rings for PCBs with 10 pre-scored grooves

**Accessories / spare parts MAESTRO 5L**



[dpvlink 5670](#)



Article	Type
8934803	<b>Circular blade / replacement blade "Ti" MAESTRO 5 I / W</b>

**Off-cut remover**

**Off-cut remover Hektor**

**Off-cut remover Hektor 2**



Hektor separates milled PCBs carefully and fast. The off-cuts are separated smoothly and precisely.

The two-part matrix ensures an easy and cost-saving mounting or change of the differently wide blades.

Compressed air cylinder is used for the separation process. The operation pressure can be set on the device. The punching process is actuated by pressing the foot switch.

The off-cuts are collected in the container. When the gate is open, the waste can be removed.



**Safe handling**

The PCB is placed with the milled groove over the blade onto the matrix. The material is pushed under the punching blade.

By pressing the foot switch, the cut-off is punched and collected in the box.

**Blades**

The blades are made of special steel. Each version is available in 5 standard widths. In order to prevent a jamming of the blade in the PCB, the blade should be at least 0.15 mm narrower than the milling slot. Intermediate sizes are manufactured according to customer's specifications.

The L-shaped blade is used if there are small off-cut distances.

Off-cuts right and left of the edge are punched out with the T-shaped blade. A turning of the PCB is not necessary.



[dpvlink 5547](#)



Article	Type
8932145	<b>Off-cut remover Hektor 2</b> <b>Scope of delivery:</b> Hektor 2 with pressure regulator, foot switch, without blade

**- please order blades separately -**

## Blades for Hektor 2



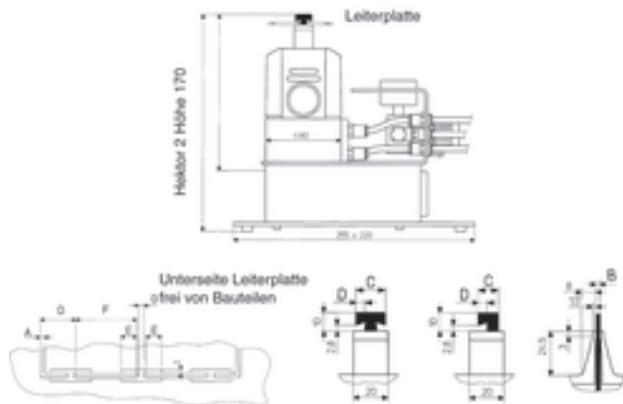
### Technical data

Separation principle:	Punching blade
PCB thickness:	up to 2.5 mm
Air connection:	1/4" coupling socket
Operating pressure:	typical 4 bar
Operating mode:	pneumatic
Operating temperature:	15 - 35°C
Storage / transport temperature:	20 - 50°C
Non-condensing humidity:	10 - 85 %
Weight Hektor 2:	2.7 kg
Dimensions H x W x D	170 x 220 x 255 mm

Safety requirements: CE, FCC class 1. Subject to technical modifications.

A = milled groove width	E = component-free solder side
B = recommended thickness of blade	F = milled groove length
C = blade length	G = off-cut width
D = cutting length	

Description	Art.Nr.	A	B	C	D	E	F	G
Blade T1.3	8932194	≥1.3	1.15	17.2	4.7	>19.0	>19.0	2.5
Blade T1.4	8932196	≥1.4	1.25	17.2	4.7	>19.0	>19.0	2.5
Blade T1.5	8932137	≥1.5	1.35	17.2	4.7	>19.0	>19.0	3.0
Blade T2.0	8932138	≥2.0	1.85	17.2	5.2	>19.0	>19.0	3.0
Blade T2.2	8932195	≥2.2	2.05	17.2	5.2	>19.0	>19.0	3.0
Blade T2.3	8932197	≥2.3	2.15	17.2	5.2	>19.0	>19.0	3.0
Blade T2.4	8932191	≥2.4	2.25	18.0	5.7	>19.0	>19.0	3.0
Blade T2.5	8932139	≥2.5	2.35	18.0	5.7	>19.0	>19.0	3.0
Blade T3.0	8932144	≥3.0	2.85	18.0	5.7	>19.0	>19.0	2.5
Blade L1.5	8932122	≥1.5	1.35	12.0	4.7	>15.0	>13.0	3.0
Blade L2.0	8932123	≥2.0	1.85	12.0	5.2	>15.0	>13.0	3.0
Blade L2.1	8932198	≥2.1	1.95	12.0	5.2	>15.0	>13.0	3.0
Blade L2.3	8932193	≥2.3	2.15	12.0	5.7	>15.0	>13.0	3.0
Blade L2.4	8932141	≥2.4	2.25	12.0	5.7	>15.0	>13.0	3.0
Blade L2.5	8932124	≥2.5	2.35	12.0	5.7	>15.0	>13.0	3.0
Blade L3.0	8932125	≥3.0	2.85	12.0	5.7	>15.0	>13.0	2.5
Blade L3.2	8932127	≥3.2	3.05	12.0	5.7	>15.0	>13.0	2.5



dpvlink 5554

Article	Type
<b>Blades for Hektor 2</b>	
8932122	Blade L 1.5 standard
8932123	Blade L 2.0 standard
8932141	Blade L 2.4 standard
8932124	Blade L 2.5 standard
8932125	Blade L 3.0 standard
8932137	Blade T 1.5 standard
8932138	Blade T 2.0 standard
8932191	Blade T 2.4 standard
8932139	Blade T 2.5 standard
8932144	Blade T 3.0, standard
89321XX	Blade width, according to customer's specifications
8932171	Matrix for Hektor 2 (precision casting)



## Off-cut remover DPP

### Off-cut remover DPP



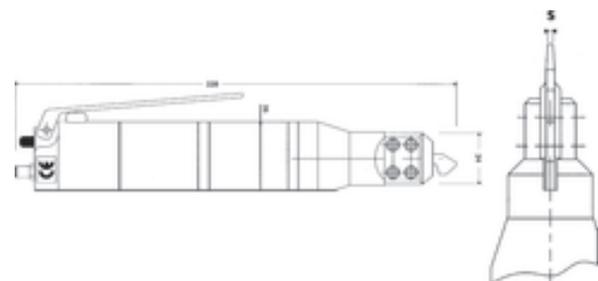
Pneumatic off-cut remover DPP

This handy off-cut remover allows the quick separation of milled PCBs. The compact size allows the cutting even in difficult to reach places. The off-cuts are removed cleanly and smoothly.

The blades are made of a special steel. Four blade thicknesses are available.

### Technical data

Compressed air supply:	5-6 bar
Cutting power of the cylinder:	393 N (40 kg)



dpvlink 5610

Article	Type
DPP-18N	<b>Off-cut remover DPP 18N</b> Blade width s = 1.8 mm
DPP-20N	<b>Off-cut remover DPP 20N</b> Blade width s = 2.0 mm
DPP-23N	<b>Off-cut remover DPP 23N</b> Blade width s = 2.3 mm
DPP-24N	<b>Off-cut remover DPP 24N</b> Blade width s = 2.4 mm
DPP-25N	<b>Off-cut remover DPP 25N</b> Blade width s = 2.5 mm
DPP-Set	<b>Off-cut remover DPP set incl. case</b> Blade width s = 2.0 / 2.3 / 2.4 / 2.5 mm



## Blade set (blade and matrix)



dpvlink 5616



Article	Type
DPP-SET18	Blade set for DPP s = 1.8 mm
DPP-SET20	Blade set for DPP s = 2.0 mm
DPP-SET23	Blade set for DPP s = 2.3 mm
DPP-SET24	Blade set for DPP s = 2.4 mm
DPP-SET25	Blade set for DPP s = 2.5 mm

## Single blades



dpvlink 5621



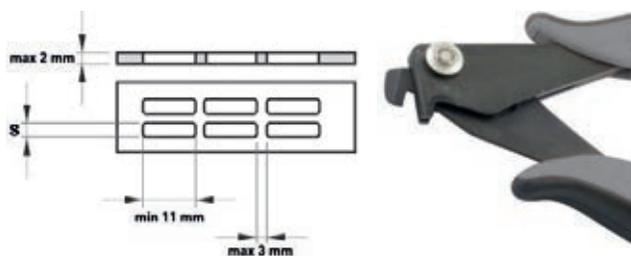
Article	Type
DPP-L18	Blade for DPP s = 1.8 mm
DPP-L20	Blade for DPP s = 2.0 mm
DPP-L23	Blade for DPP s = 2.3 mm
DPP-L24	Blade for DPP s = 2.4 mm
DPP-L25	Blade for DPP s = 2.5 mm

## Off-cut remover DP manual

### Off-cut remover (manual)



This handy off-cut remover tool allows the quick separation of milled PCBs.



dpvlink 5626

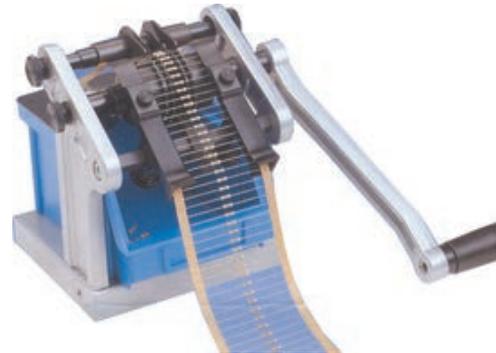


Article	Conductivity	S [mm]
<b>Off-cut remover (manual)</b>		
DP-10N.D	dissipative	1,0
DP-15N.D	dissipative	1,5
DP-20N.D	dissipative	2,0
DP-23N.D	dissipative	2,3
DP-24N.D	dissipative	2,4
DP-25N.D	dissipative	2,5

## Axial components

### CUTBEND

#### Cutting and bending machine for axial components



A "successive cutting" of the component wire prevents an axial tensile stress on sensitive parts (e.g. diodes). By loosening one screw, the cutting and bending wheel is released and can be moved into the right position by sliding. With the adjustment knob grid dimensions can be transferred directly from the PCB to the machine, which reduces considerably the setting time.

#### Technical data

Dimensions without crank:	175 x 145 x 160 mm (LxWxH)
Crank length:	160 mm
Weight:	1.9 kg
Performance:	up to 40,000 components per hour



**VB** Standardausrüstung  
Beidseitig Schneiden und Biegen  
(VB-Kopf)

**BG** Eine Seite Schneiden und Biegen  
(1/2 VB-Kopf), andere Seite nur Schneiden  
(1/2 FG-Kopf) = BG-Kopf

**FG** Beidseitig nur Schneiden =  
FG-Kopf

#### Processing possibilities

Type	A	B	C	D	E
VB05	0.3 - 0.5	4.7 - 40	mind. 1,0	2.6 - 15	-
<b>VB08*</b>	<b>0.5 - 0.8</b>	<b>6.0 - 40</b>	<b>mind. 1.3</b>	<b>3.6 - 15</b>	-
VB10	0.9 - 1.0	6.0 - 40	mind. 1.8	3.6 - 15	-
VB12	1.1 - 1.2	6.0 - 40	mind. 2.0	3.6 - 15	-
<b>FG08*</b>	<b>0.5 - 0.8</b>	-	-	-	<b>3.1 - 20</b>
<b>BG08*</b>	<b>0.5 - 0.8</b>	-	<b>mind. 1.0</b>	<b>3.6 - 15</b>	<b>3.1 - 20</b>

\*Standard devices



## Loose component feeder CB-3000

Feeder for loose components. Two adjustable feed rolls unravel and center the components and feed them into the CUTBEND. Feeding up to 3000 components per hour.



## Dispenser reel CB-109

This dispenser reel facilitates the feeding of taped components into the CUTBEND. It can easily be mounted on the device.

### dpvlink 5085

Article	Type
405.100	<b>CUTBEND type (VB 08) standard, complete device</b>
405.101	<b>CUTBEND type (VB 05), complete device</b>
405.105	<b>CUTBEND type (VB 10), complete device</b>
405.106	<b>CUTBEND type (VB 12), complete device</b>
405.115	<b>CUTBEND type (FG 08) standard, complete device</b>
405.120	<b>CUTBEND type (BG 08) standard, complete device</b>



### dpvlink 5095

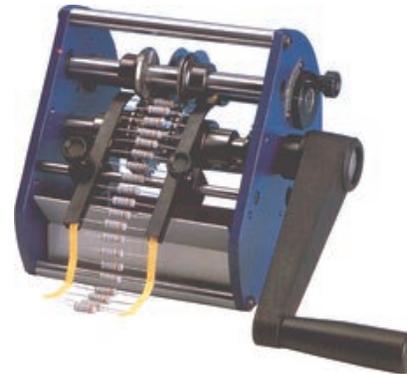
Article	Type
405.200	<b>Wheel set - type (VB 08) standard</b>
405.201	<b>Wheel set - type (VB 05)</b>
405.205	<b>Wheel set - type (VB 10)</b>
405.206	<b>Wheel set - type (VB 12)</b>
405.215	<b>Wheel set - type (FG 08)</b>
405.220	<b>Wheel set - type (BG 08)</b>
405.250	<b>Replacement blade for VB 05 / VB 08</b>
405.251	<b>Replacement blade for VB 10 / VB 12</b>
405.300	<b>Dispenser reel CB-109, taped components</b>
405.310	<b>Feeder CB-3000, for loose components</b>



-further spare parts available on request-

## TP 6-EC - OLAMEF

### Cutting and bending machine for axial components



simple construction, no protective cover, no motor connection possible

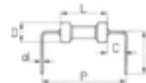
With the cutting and bending machine TP 6-EC, taped axial components can be cut and bent. Components with leads up to a diameter of 1.3 mm can be processed. The setting of various dimensions is quick and easy.

#### Technical data

Performance:	approx. 50,000 components per hour
Dimensions:	230 x 180 x 210 mm
Weight:	5 kg

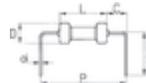
#### TP 6/1.EC - Standard

	P	B	c	L	d	D
Min. mm	6.5	4	1.2	-	0.4	0.4
Max. mm	60	13	-	50	1.3	16



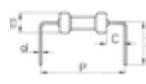
#### TP 6/6.EC - reduced pitch

	P	B	c	L	d	D
Min. mm	5.08	4	0.8	-	0.4	0.4
Max. mm	60	13	-	50	0.8	10



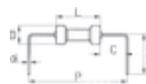
#### TP 6/7.EC - fixed pitch P = 5.08 mm

	P	B	c	d	D
Min. mm	5.08	4	0.5	0.4	0.4
Max. mm	fixed	10	-	0.6	4



#### TP 6/4.EC - for wire thicknesses up to 1.4 mm

	P	B	c	L	d	D
Min. mm	10.16	5	2.4	-	0.6	0.6
Max. mm	60	13	-	50	1.4	16



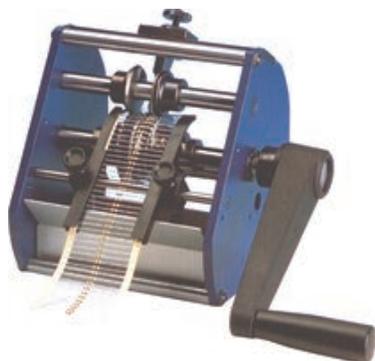
### dpvlink 5110

Article	Type
415.100.EC	<b>TP 6/1.EC - standard</b> for wire thicknesses $\varnothing$ 0.4 - 1.3 mm
415.101.EC	<b>TP 6/6.EC - reduced pitch</b> for wire thicknesses $\varnothing$ 0.4 - 0.8 mm
415.102.EC	<b>TP 6/7.EC - fixed pitch P = 5.08 mm</b> for wire thicknesses $\varnothing$ 0.4 - 0.8 mm
415.103.EC	<b>TP 6/4.EC - reinforced bending wheels</b> for wire thicknesses $\varnothing$ 0.6 - 1.4 mm



## TP 6 / V-EC - OLAMEF

Cutting and bending machine for axial components, standing assembly



simple construction, no protective cover, no motor connection possible

With the cutting and bending machine TP 6/V-EC taped axial components for standing mounting can be cut and bent. The robust construction of the machine ensures a high level of reliability. Components with leads up to a diameter of 0.8 mm can be processed. Different bending tools are used for different grid dimensions. The fine tuning of the grid dimensions is done via a knurled screw.

### Technical data

Performance:	spprox. 50,000 components per hour
Dimensions:	230 x 180 x 210 mm
Weight:	5 kg

### TP 6/V-EC - Standard P = 2.54 mm

	P	L	F	D	d	A
Min. mm	2.54	-	3	0.5	0.5	2
Max. mm	fixed	15	8	3	0.8	6

### TP 6/V1 - with bending tool P = 3.8 mm

	P	L	F	D	d	A
Min. mm	3.8	-	3	0.5	0.5	2.5
Max. mm	fixed	15	8	3	0.8	6

### TP 6/V1 - with bending tool P = 5.08 mm

	P	L	F	D	d	A
Min. mm	5.08	-	3	0.5	0.5	3
Max. mm	fixed	15	8	8	0.8	7

### dpvlink 5117

Article Type

415.400.EC **TP 6/V1.EC - standard standing assembly**

#### Accessories

415.430.V1 **Additional bending tool P = 3.8 mm**  
standing assembly

415.435.V1 **Additional bending tool P = 5.08 mm**  
standing assembly

415.439 **Holder for additional bending tool**  
(for an easy conversion)



## TP 6 • TP 6.97 - OLAMEF

Cutting and bending machine for axial components, version type 97 with simplified bending wheel adjustment



Cutting and bending machine TP 6.97 standard

With the cutting and bending machine TP 6 taped axial components can be cut and bent. The robust construction of the machine ensures a high level of reliability.

Components with leads up to a diameter of 1.3 mm can be processed. The setting of various dimensions is quick and easy.

### Version TP 6 /...97

The TP 6 /...97 is in addition equipped with a simplified bending wheel adjustment reducing considerably the set-up times.

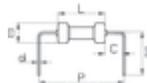
### Technical data

Performance:	approx. 50,000 components per hour
Dimensions:	230 x 180 x 210 mm
Weight:	5 kg

## TP 6/1 • TP 6/1.97 standard



### TP 6 - Standard



	P	B	c	L	d	D
Min. mm	6.5	4	1.2	-	0.4	0.4
Max. mm	60	13	-	50	1.3	16

### dpvlink 5141

Article Type

415.100 **TP 6/1 - standard**  
for wire thicknesses Ø 0.4 - 1.3 mm

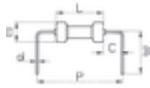
415.100.97 **TP 6/1.97 - standard**  
with simplified bending wheel adjustment,  
for wire thicknesses Ø 0.4 - 1.3 mm



## TP 6/6 • TP 6/6.97 reduced pitch



### TP 6/6 - reduced pitch



	P	B	c	L	d	D
Min. mm	5.08	4	0.8	-	0.4	0.4
Max. mm	60	13	-	50	0.8	10

#### dpvlink 5153

Article Type

415.101 **TP 6 / 6 - reduced pitch**  
for wire thicknesses Ø 0.4 - 0.8 mm

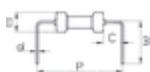
415.101.97 **TP 6 / 6.97 - reduced pitch**  
with simplified bending wheel adjustment,  
for wire thicknesses Ø 0.4 - 0.8 mm



## TP 6/7 fixed pitch



### TP 6/7 - fixed pitch P = 5.08 mm



	P	B	c	d	D
Min. mm	5.08	4	0.5	0.4	0.4
Max. mm	-	10	-	0.6	4

#### dpvlink 5156

Article Type

415.102 **TP 6 / 7 - fixed pitch P = 5.08 mm**  
for wire thicknesses Ø 0.4 - 0.6 mm

415.102.400713 **additional bending wheel**  
fixed grid P 7.62 mm

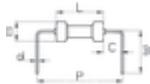
415.102.400714 **additional bending wheel**  
fixed grid P = 10.16 mm



## TP 6/4 • TP 6/4.97 reinforced bending wheels



### TP 6/4 - reinforced bending wheels



	P	B	c	L	d	D
Min. mm	10.16	5	2.4	-	0.6	0.6
Max. mm	60	13	-	50	1.4	16

#### dpvlink 5160

Article Type

415.103 **TP 6 / 4 - reinforced bending wheels**  
for wire thicknesses Ø 0.6 - 1.4 mm

415.103.97 **TP 6 / 4.97 - reinforced bending wheels**  
with simplified bending wheel adjustment,  
for wire thicknesses Ø 0.6 - 1.4 mm



#### Accessories

415.800 **BR6 reel holder**



415.805 **CS 10 feeding unit / loose components**  
(for TP6, TP6 / PR-B, TP6 / S)



415.825 **M adjustable motor drive**



415.835.1 **TNS/1 waste tape ejector**  
(for TP/6, TP6/S, TP6/V, TP6/PR-B, TP6/R)



415.200240 **Feeder / component body type 200240**  
for taped components suitable for  
TP 6.ÉC; TP 6.97; TP6 PR-B;  
TP6 / PR-B/97; TP 6/S; TP6



## TP 6 / V - OLAMEF

### Cutting and bending machine for axial components, standing assembly



#### Cutting and bending machine TP 6 / V1 - standard

With the cutting and bending machine TP 6 / V taped axial components for standing mounting can be cut and bent.

The robust construction of the machine ensures a high level of reliability. Components with leads up to a diameter of 1.3 mm can be processed.

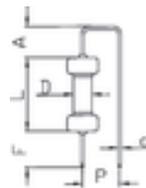
Different bending tools are used for different dimensions. The fine tuning of the dimensions is done via a knurled screw.

#### Technical data

Performance:	approx. 50,000 components per hour
Dimensions:	230 x 180 x 210 mm
Weight:	5 kg

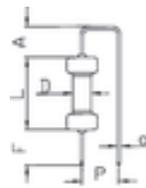
#### TP 6 / V1 Standard

	P	L	F	D	d	A
Min. mm	2.54	-	3	0.5	0.5	2
Max. mm	fixed	15	8	3	0.8	6



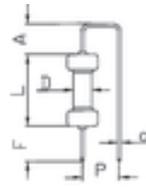
#### TP 6 / V1 with bending tool pitch 3.8 mm

	P	L	F	D	d	A
Min. mm	3.8	-	3	0.5	0.5	2.5
Max. mm	fixed	15	8	5	0.8	6



#### TP 6 / V1 with bending tool pitch 5.08 mm

	P	L	F	D	d	A
Min. mm	5.08	-	3	0.5	0.5	3
Max. mm	fixed	15	8	8	0.8	7



#### dpvlink 5207

Article Type

415.400 **TP 6 / V1 - Standard**  
Cutting and bending machine, standing assembly,  
P = 2.54 mm, wire thicknesses 0.5 - 0.8 mm

415.430.V1 **Additional bending tool P = 3.8 mm**  
standing assembly



dpvlink 5207



Article Type

415.435.V1 **Additional bending tool P = 5.08 mm**  
standing assembly

415.439 **Holder for additional bending tool**  
(for an easy conversion)

**Accessories**



415.800 **BR6 reel holder**



415.815 **CS 30 feeding unit / loose components**  
(for TP6 / V)



415.825 **M adjustable motor drive**



415.835.1 **TNS/1 waste tape ejector**  
(for TP/6, TP6/S, TP6/V, TP6/PR-B, TP6/R)

## Radial components

### VARIOCUT

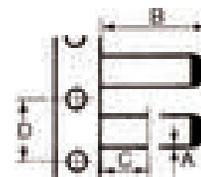
#### Cutting device for radial taped components



The proven cutting device VARIOCUT cuts all kinds of radial taped components to the required length. Therefore, a recutting of the leads is not necessary after soldering. The VARIOCUT is based on the successful CUTBEND principle and is characterized by an easy handling, a high performance and a favorable price. The VARIOCUT is handy and can be mounted on each table by the included screw clamp.

#### Technical data

Dimensions without crank:	175 x 145 x 160 mm (LxWxH)
Crank length:	160 mm
Weight:	1.9 kg
Performance:	up to 40,000 components per hour



#### Working dimensions:

Head type	A	B	C	D
12.7	0.5-0.8 mm	max. 35 mm	1.0-8.0 mm	12.7 mm
15.0	0.5-0.8 mm	max. 35 mm	1.0-8.0 mm	15.0 mm

dpvlink 5106



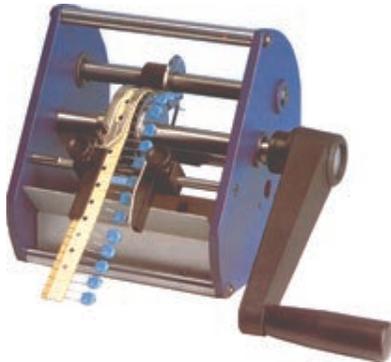
Article Type

405.500 **VARIOCUT, tape pitch 12.7 mm**

405.501 **Pin wheel for tape pitch 15 mm**

## TP 6 / R-EC - OLAMEF

Cutting machine for taped radial components

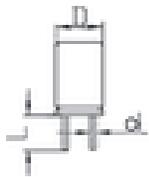


simple construction, no cover, no motor connection possible

Cutting machine TP 6/R-EC cuts taped radial components. Construction and reliability as with all TP 6 machines.

### Technical data

Performance:	approx. 20,000 components per hour
Dimensions:	230 x 180 x 210 mm
Weight:	4 kg



TP 6/R - EC - Standard

	L	d	D
Min. mm	2	0.4	1
Max. mm	10	1	14

dpvlink 5124



Article	Type
415.600.EC	<b>TP 6/R-EC standard P = 12.7 mm</b> Cutting machine for wire thicknesses Ø 0.4 - 1.0 mm, Tape pitch pattern P = 12.7 mm
415.601.EC	<b>TP 6/R-EC, P = 15 mm</b> Cutting machine for wire thicknesses Ø 0.4 - 1.0 mm, Tape pitch pattern P = 15 mm

## TP 6 / R - OLAMEF

Cutting machine for taped radial components



With the cutting machine TP 6 / R taped radial components can be cut.

Construction and reliability is the same as with all TP 6 machines.

An adjustable motor drive and a waste tape ejector are available as accessories.

### Technical data

Performance:	approx. 20,000 components per hour
Dimensions:	230 x 180 x 210 mm
Weight:	4 kg



	L	d	D
Min. mm	2	0.4	1
Max. mm	10	1	14

dpvlink 5319



Article	Type
415.600	<b>TP 6 / R P = 12.7 mm</b> Cutting machine for taped radial components, tape pitch pattern P = 12.7 mm, standard
415.601	<b>TP 6 / R P = 15 mm</b> Cutting machine for taped radial components, tape pitch pattern P = 15 mm, standard

### Accessories



## TP / TC 4 - OLAMEF

### Cutting machine for loose radial components



Loose radial components can be cut with the TC 4 cutting machine.

The feeding is easy and fast. The processing speed is steplessly adjustable. The cutting length can be set with the adjustable guide. The robust design ensures a reliable and durable operation.

Taped components can also be processed with the reel holder BR 3 (option). The reel holder is simply attached to the cutting machine.



#### Technical data

Performance:	approx. 3,000 components per hour (in connection with BR 3 approx. 15,000 components / hour)
Dimensions:	200 x 470 x 270 mm
Weight:	12 kg
Motor:	220 V / 50 Hz - 50 VA



	L	d	D
Min. mm	3	0.4	1
Max. mm	12	0.8	15

[dpvlink 5335](#)

Article	Type
415.910	<b>TP / TC 4 cutting machine</b> for loose radial components, for wire thicknesses $\varnothing$ 0.4 - 0.8 mm
415.911	<b>BR 3/12.7 tape guide TC 4</b> for taped radial components, tape pitch pattern P = 12.7 mm
415.912	<b>BR 3/15 tape guide TC 4</b> for taped radial components, tape pitch pattern P = 15 mm

## Accessories for TP 6 - machines

The accessories for each TP machine are ideal for the optimum utilization of the individual devices. All accessories are available as an option to the individual devices.

### BR6 Reel holder



[dpvlink 5524](#)

Article

415.800 **BR6 reel holder**



### TNS Waste tape ejector



[dpvlink 5525](#)

Article

415.835.1 **TNS/1 waste tape ejector**  
(for TP/6, TP6/S, TP6/V, TP6/PR-B, TP6/R)

415.835.3 **TNS/13 waste tape ejector**  
(for TP6/V-PR, TP6/PR-F)



### CS Feeding unit for loose components



[dpvlink 5163](#)

Article

415.805 **CS 10 feeding unit / loose components**  
(for TP6, TP6 / PR-B, TP6 / S)

415.810 **CS 20 feeding unit / loose components**  
(for TP6 / V-PR)

415.815 **CS 30 feeding unit / loose components**  
(for TP6 / V)

415.820 **CS 40 feeding unit, loose components**  
(for TP6 / PR-F)



### M Adjustable motor drive



[dpvlink 5523](#)

Article

415.825 **M adjustable motor drive**  
415.825.1 **M/1 adjustable motor drive**  
(for TP6 / PR-F, TP6 / V-PR)



### Feeder / component body type 200240



[dpvlink 13342](#)

Article

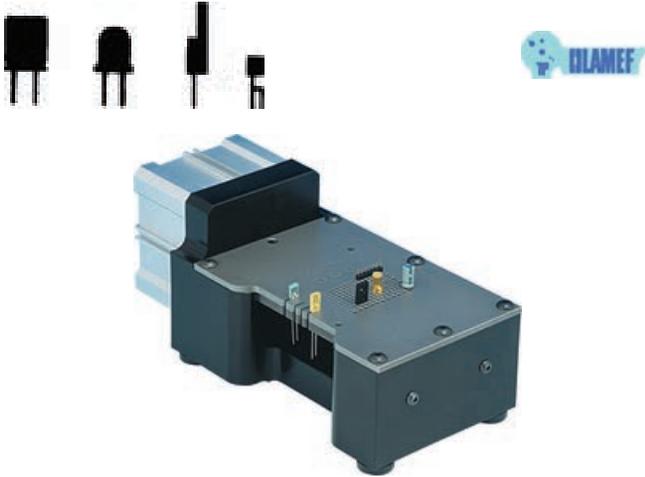
415.200240 **Feeder / component body type 200240**  
for taped components suitable for  
TP 6.EC; TP 6.97; TP6 PR-B;  
TP6 / PR-B/97; TP 6/S; TP6



## Pneumatic cutting machines

### TP / LN 100 - OLAMEF

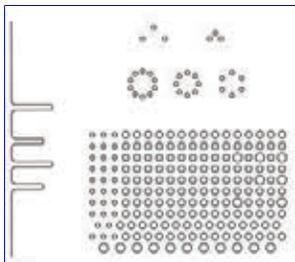
Pneumatic cutting machine for loose radial components



With the pneumatic cutting machine TP / LN-100 the leads of loose radial components can be cut exactly.

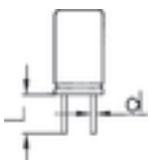
The precise mechanism ensures a straight cut without causing an edge or a deformation of the wire surface.

The robust construction allows the simultaneous cutting of several components. The cutting process starts after pressing the foot switch. An adapter plate as well as several special cutting plates are available on customer's request.



#### Technical data

Performance:	up to 3,000 components per hour
Dimensions:	210 x 100 x 100 mm
Weight:	3 kg
Air connection:	6 bar
Cutting length:	3.2 mm (other lengths on request)



	L	d
Min. mm	3.2	0.3
Max. mm	fixed	1

#### dpwlink 5385

Article	Type
415.900	<b>TP / LN-100 standard</b> Cutting machine for loose radial components, cutting length L = 3.2 mm, for wire thicknesses from 0.3-1.0 mm
415.900.S	<b>TP / LN-100 customized</b> (with special cutting plate)
415.901	<b>Adapter plate for TP / LN-100</b> for longer cutting lengths

### TP / LN-500 - OLAMEF

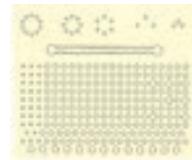
Pneumatic cutting machine for loose radial components



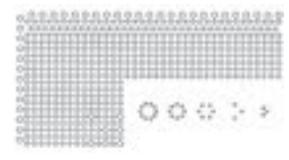
The TP/LN-500 cuts with an inclined cutting blade and allows the cutting of wire thicknesses of up to a diameter of 1.3 mm.

#### Technical data TP/LN-500/1 standard

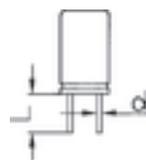
Performance:	up to 3,000 components per hour
Dimensions:	250 x 100 x 100 mm
Weight:	5 kg
Air connection:	6 bar
Cutting length:	3.2 mm (other lengths on request)



Schneidplatte LN 500 standard



Sonderschneidplatte LN 500.2



	L	d
Min. mm	3.2	0.3
Max. mm	fixed	1.3

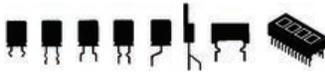
#### dpwlink 5392

Article	Type
415.905	<b>TP / LN-500 - standard</b> Cutting surface 52 x 43 mm Cutting length L = 3.2 mm
415.905.S	<b>TP / LN-500 - customized</b> (with special cutting plate)
415.906	<b>Adapter plate for TP / LN-500</b> for longer cutting lengths
415.907	<b>TP / LN-500.2</b> Cutting surface 52 x 93 mm Cutting length L = 3.2 mm
415.907.S	<b>TP / LN-500.2 - customized</b> (with special plate)
415.908	<b>Adapter plate for TP / LN-500.2</b> for longer cutting lengths



## TP / TS 1 - OLAMEF

### Pneumatic cutting and crimping machine for loose radial components



The pneumatic cutting and crimping machine TP/TS1 can be used for the cutting and bending of loose radial components.

The feeding of the components takes place manually by vertical insertion of leads into the firmly mounted matrix. The cutting process is started by pressing the foot switch. The cutting and the forming of the leads is made quickly and precisely.

The machine can be equipped with tools for various processing possibilities. The individual tools can be easily exchanged.

#### Technical data

Performance:	approx. 2,000 components per hour
Dimensions:	390 x 230 x 140 mm
Weight:	13 kg
Air connection:	6 bar

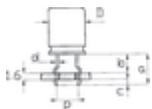
#### dpvlink 5418

Article Type

415.927.G **TP / TS 1**  
Pneumatic cutting and crimping machine for radial loose components, basic unit (without tools)



### Tool stand-off / snap-in



	a	b	c	d	D
Min. mm	5	2	1.4	0.4	1
Max. mm	15	12	fixed	0.8	15

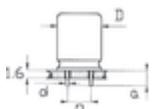
#### dpvlink 6157

Article Type

415.928.180600 **Tool stand-off / snap-in**  
P = 2.54 / 5.08 / 7.62 / 10.16 mm



### Cutting tool



	a	d	D
Min. mm	3	0.4	1
Max. mm	13	0.8	15

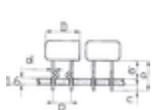
#### dpvlink 6161

Article Type

415.928.181000 **Cutting tool**  
P = 2.54 / 5.08 / 7.62 / 10.16 mm



### Tool diode 4 leads stand-off



	a	b	c	d	D
Min. mm	6	4	1.4	0.4	1
Max. mm	14	12	fixed	0.8	15

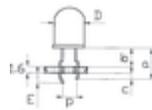
#### dpvlink 6162

Article Type

415.928.181100 **Tool diode with 4 leads stand-off**  
P = 5.08 mm



### LED tool polarity stand-off /snap-in



	a	b	c	d	D
Min. mm	5	2	1.4	2	2.4
Max. mm	15	12	fixed	5	fixed

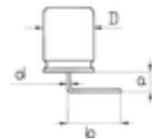
#### dpvlink 6163

Article Type

415.928.181200 **LED tool polarity stand-off /snap-in**  
P = 2.54 mm



### Tool 90° bend and cut



	a	b	d	D
Min. mm	3	6	0.4	1
Max. mm	8	fixed	0.8	15

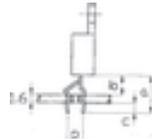
#### dpvlink 6164

Article Type

415.928.181300 **Tool 90° bend and cut**



### Tool T0-220, center lead



	a	b	c	p
Min. mm	7	4	1.4	2.54
Max. mm	13	10	fixed	fixed

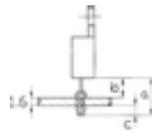
#### dpvlink 6172

Article Type

415.928.182300 **Tool T0-220**  
center lead spread, crimp / cut



### Tool T0-220, in-line stand-off / snap-in



	a	b	c
Min. mm	6	3	1.4
Max. mm	11	8	fixed

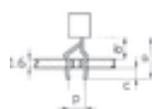
#### dpvlink 6173

Article Type

415.928.182400 **Tool T0-220 in-line stand-off / snap-in**



### Tool T0-92, center lead



	a	b	c	p
Min. mm	7	4	1.4	2.54
Max. mm	13	10	fixed	fixed

#### dpvlink 6176

Article Type

415.928.182700 **Tool T0-92, center lead**  
spread, cut, crimp



Further tools are online available

## Cut-off saw

### Cut-off saw Olamef



For the cutting of female connectors and plug connectors with grooves.

Simple and quick conversion to different sizes. The stop with detent and additional fine adjustment for lengths of 1 to 32 pins. A hold-down clamp for a reliable positioning. DC motor with speed control for a optimal cutting performance.

Robust construction for a precise cutting in continuous operation.

The number of the cuts is recorded with an 8-digit digital LCD display.

#### Technical data

Saw blade material:	HSS
External diameter:	63 mm
Thickness:	0.25 mm
Material cut:	
Width max.	12 mm
Height max.	8 mm
Sawn strip length:	1 - 32-pin
Grid spacing:	2.54 mm
Operating temperature	15°C - 25°C
Power supply:	110 or 220 V ^ 50-60 Hz
Weight:	10.0 kg

The products meet the safety requirements of the EC directives. An EC declaration of conformity is supplied with the devices.

#### Scope of delivery:

Strip saw, saw blade, key set, power cable, cutter tray and user manual

[dpvlink 13364](#)

Article	Type
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415.1090002	<b>Cut-off saw Olamef</b>
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415.1090011	<b>Saw blade (for strips saw SEP-4/Olamef)</b>
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## Component counting devices

### County EVO

Component counting device for axial, radial and SMD components



County EVO, the digital counting device with micro computer is used to count the number of taped axial, radial and SMD components

- counting in both directions (left or right)
- division factor 1 to 19 (and 2,3,4 multiplication factor for 0402, 0201 and 01005 components)
- totalizer mode
- preset mode counting (with audible alarm when the desired component number is reached)
- calibration test and self-diagnostics
- memory for the last chosen quantity
- Model 400.013 with rechargeable battery, connection for barcode reader, printer / PC outlet, clock and data logger for the last 500 countings



#### Technical data

min. Ø of the lead:	0.4 mm
Axial tape width:	55-110 mm
Radial tape width:	18 mm
maximum Ø of the components:	14 mm
Display 4-digit:	height 13 mm
Dimensions:	240 x 130 x 110 mm
Weight:	1.8 kg

[dpvlink 5067](#)

Article	Type
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400.011	<b>County EVO, counting device 100 - 240 V / 50-60 Hz</b>
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400.013	<b>County EVO, counting device 220 V / 50-60 Hz with rechargeable battery, auxiliary relay and printer output</b>
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400.020	<b>Adapter for taped SMD components</b>
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400.023	<b>Reel stand for axial/radial components</b>
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400.025	<b>Handle for reels</b>
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400.027	<b>Unroll stand for SMD components</b>
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400.027.1	<b>Crank for SMD reel stand</b>
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## County S EVO

**Motorized component counting device for SMD components**



The motorized component counter County-S EVO for SMD components offers two operation options:

### 1. Totalizer

The components are counted from zero by the motorized device. The counter stops automatically at the end of the tape for not losing the point of reference.



### 2. Preset mode

The component counter stops automatically when reaching the quantity manually set by the operator.

All functions of the device are supported by an interactive graphics display and easy to execute.

The counting display shows the following data:

- counting direction
- number of holes per component
- counting mode (total, preset quantity and rewinding)
- operator's name
- counting
- date and time (or recorded barcode)

### Technical data

Display:	6 LED digits (height approx. 14 mm)
Maximum counting speed:	220 components/sec, (1 component per hole)
Accuracy:	+/-1 component/1000
Number of holes per component:	1-99 (division factor)
Maximum height of the tape:	56 mm
Max. reel diameter:	400 mm (with support 400, 150 and 650 mm)

- adjustable feeding speed
- Step-by-Step feeding (each single component)
- input for barcode reader
- Option 'no component'
- Connection for printer / PC
- Operator identification (max. 10 persons, 8 alphanumeric characters each)
- Internal clock (1 week backup)
- Data logger saves the last 500 countings
- Totalizing of part countings
- two lateral handles for transportation

### dpvlink 5079



Article	Type
400.100	<b>County-S EVO counting device 220 / 240 V, 50-60 Hz</b>
400.103	<b>County-S EVO counting device 220 / 240 V, 50-60 Hz with Empty-Pocket-Check</b>
400.110	<b>Aluminum empty reel for County S EVO</b>
400.150	<b>Footplate/support for rolls diameter &gt; 400 mm</b>

### Accessories for County EVO and County S EVO



### dpvlink 19245



Article	Type
400.155	<b>Barcode reader</b> with spiral cable, wide-angle scanner especially to read wide barcodes with small distance (degree of protection IP42).  The barcode reader is connected with the EVO counting device by means of a single connector and supplied via the same cable.
400.095	<b>Thermal printer</b> with power supply unit 110 / 220 VAC and signal cable.  The EVO counting device is optimized for printing labels 57 x 51 mm.
400.096	<b>Label roll</b> with 1360 labels 57x51 mm

## Component counting balances



The brand KERN stands for precision and reliability. KERN is a specialist for accurate weighing having more than 160 years of experience. The products are of an excellent manufacturing quality, extremely robust and durable, and are characterized by an easy handling.



### Adjusting program CAL:

Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required



### Data interface RS-232:

To connect the balance to a printer, PC or network



### GLP/ISO log:

With weight, date and time. Only with KERN printers



### KERN Communication Protocol (KCP):

It is a standardized interface command set for KERN balances and other instruments



### Piece counting:

Reference quantities selectable. Display can be switched from piece to weight



### Recipe level A:

The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out



### Totalising level A:

The weights of similar items can be added together and the total can be printed out



### Percentage determination:

Determining the deviation in % from the target value (100 %)



### Weighing units:

Can be switched to e.g. nonmetric units. See balance mode.



### Hold function:

(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value



### Suspended weighing:

Load support with hook on the underside of the balance



### Weighing with tolerance range:

(Checkweighing) Upper and lower limits can be programmed individually



### Battery operation:

Ready for battery operation. The battery type is specified for each device



### Universal plug-in power supply:

with universal input and optional input socket adapters for EU, CH, GB



### Universal plug-in power supply:

with universal input and optional input socket adapters for EU, CH, GB, USA



### Weighing principle: Strain gauges

Electrical resistor on an elastic deforming body

## Precision balance KERN PCB



Compact precision balance for the use in laboratories

- **PRE-TARE function** for manual subtraction of a known container weight
- **Freely programmable weighing unit**
- **Recipe function** allows for the weighing of different ingredients of a mixture.
- **Plus/minus weighing procedures**

### Technical Data:

Display:	backlit LCD display
Net weight:	approx. 1.1 kg
Dimensions:	163 x 245 x 79 mm (WxDxH)
Power supply:	230 V / 50 Hz or rechargeable battery (optional)
Ambient temperature:	+5°C to +35°C
Test weight:	optional



**Battery operation (optional):** rechargeable battery set external, operating time up to 48 h, charging time approx. 8 h (art. no. 401.PCB-A01)

Article	Readability	Reproducibility	Weighing range	Linearity	Min. component weight
401.PCB100-3	0.001 g	0.001 g	100 g	0.003 g	0.02 g
401.PCB250-3	0.001 g	0.001 g	250 g	0.005 g	0.02 g
401.PCB350-3	0.001 g	0.002 g	350 g	0.005 g	0.02 g
401.PCB200-2	0.01 g	0.01 g	200 g	0.02 g	0.2 g
401.PCB1000-2	0.01 g	0.01 g	1.0 kg	0.03 g	0.2 g
401.PCB2500-2	0.01 g	0.01 g	2.5 kg	0.05 g	0.2 g
401.PCB3500-2	0.01 g	0.02 g	3.5 kg	0.05 g	0.2 g
401.PCB1000-1	0.1 g	0.1 g	1.0 kg	0.2 g	2.0 g
401.PCB2000-1	0.1 g	0.1 g	2.0 kg	0.2 g	2.0 g
401.PCB6000-1	0.1 g	0.1 g	6.0 kg	0.3 g	2.0 g



dpvlink 16089



Article	Type	Weighing plate [mm]
401.PCB100-3	Precision balance KERN PCB 100-3	Ø 81
401.PCB250-3	Precision balance KERN PCB 250-3	Ø 81
401.PCB350-3	Precision balance KERN PCB 350-3	Ø 81
401.PCB200-2	Precision balance KERN PCB 200-2	Ø 105
401.PCB1000-2	Precision balance KERN PCB 1000-2	130x130
401.PCB2500-2	Precision balance KERN PCB 2500-2	130x130
401.PCB3500-2	Precision balance KERN PCB 3500-2	130x130
401.PCB1000-1	Precision balance KERN PCB 1000-1	130x130
401.PCB2000-1	Precision balance KERN PCB 2000-1	130x130
401.PCB6000-1	Precision balance KERN PCB 6000-1	150x170

-for DKD calibration certificate and rechargeable battery see accessories-

## Counting balance KERN CPB



Professional model with a counting resolution of up to 60,000 points

- **Counting results memory** for adding up the individual countings, result is shown in total quantity and total weight
- **Target quantity programmable** for checkweighing with acoustic signal
- **Large LCD display** with a digit height of 20 mm, backlighting 3-fold adjustable: permanently on, in case of load exchange on for 3 seconds and permanently off.
- **High mobility** due to operation with rechargeable battery (optional), compact, flat design and low weight
- **3 displays** for totalweight, piece weight and total quantity
- **PRE-TARE function** for manual subtraction of a known container weight
- **Precise counting:** automatic optimization of reference weight for a gradual improvement of the average piece weight value

### Technical data:

Display:	backlit LCD display, 3-fold adjustable
Net weight:	approx. 4.0 kg
Dimensions:	315 x 355 x 110 mm (WxDxH)
Weighing plate:	295 x 225 mm
Power supply:	230 V / 50 Hz or rechargeable battery (optional)
Ambient temperature:	0°C to +40°C
Test weight:	optional

 **Battery operation (optional):** rechargeable battery set internal, operating time up to 90 h, charging time approx. 12 h (art. 401.GAB-A04)

Article	Readability	Reproducibility	Weighing range	Linearity	Min. component weight
401.CPB-6K0.1N0	0.1 g	0.2 g	6,0 kg	0.4 g	1.0 g
401.CPB-15K0.2N0	0.2 g	0.4 g	15 kg	0.8 g	2.5 g
401.CPB-30K0.5N0	0.5 g	1.0 g	30 kg	2.0 g	5.0 g



### dpwlink 8246

Article	Type
401.CPB-6K0.1N	Counting balance KERN CPB-6K0.1N
401.CPB-15K0.2N	Counting balance KERN CPB-15K0.2N
401.CPB-30K0.5N	Counting balance KERN CPB-30K0.5N

**-for DKD calibration certificate and rechargeable battery see accessories-**

## DKD calibration certificate



DKD calibration certificate for balances. Created by the KERN calibration laboratory (accredited by the German Calibration Service (DKD)) with international validity.

### dpwlink 8280

Article	Type
401.963-127	<b>DKD calibration certificate DKD</b> for balances with a weighing capacity up to 5 kg
401.963-128	<b>DKD calibration certificate</b> for balances with a weighing capacity from 5 kg to 50 kg
401.963-129	<b>DKD calibration certificate</b> for balances with a weighing capacity from 50 kg to 350 kg

## Rechargeable battery for KERN balances



Rechargeable battery set, depending on model external or internal.

### dpwlink 8276

Article	Type
401.GAB-A04	Rechargeable battery operation internal for model CPB
401.PCB-A01	Rechargeable battery operation internal for model PCB

## Balance Connection - Software SCD-4.0



**For the direct transfer of weighing data to Windows applications** (operating systems XP, Vista and Windows 7).

- Transfer via RS 232 to the PC, e.g. to MS Excel
- Transfer by pressing a button or time-controlled
- Date / time can also be displayed
- Interface protocols for KERN balances are already predefined
- Interface cable is included (please indicate model when ordering)

### Advantages:

- Typing errors are avoided
- GLP compliant laboratory software

### dpwlink 15682

Article	Type
401.SCD-4.0	<b>Balance Connection - Software SCD-4.0</b>

# Mounting accessories Equipment



## Mounting accessories

ESD toggle clamps	526
Assembly stands	528
Turntables	531
Assembly frames	531

## Dispensing equipment

Dispensing pens	532
Dispensing equipment	532
Consumables	536
Dispensing needles	538
Dispensing equipment Kahnetics	539
Consumables Kahnetics	540
Dispensing needles Kahnetics	540

## Workstation lighting

Workstation lighting	541
Magnifier lamps	545

## Optical inspection systems

Microscopes	551
Inspection systems	554
Magnifiers	566

## Cleaning

Maintenance cleaning	569
Component cleaning	571
Hygiene / Disinfection	573
Antistatic cleaning / coating	574
Cleaning of PCBs and metal parts	575

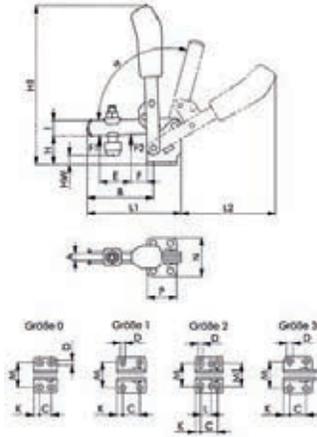
## Chemistry

Maintenance aids	579
Contact / Mechanical greasing	580
Protective lacquers	580
Thermally conductive products	583
Potting compounds	584

## ESD toggle clamps

The ESD toggle clamps have been especially developed for all works with electrostatically sensitive components, modules or devices in ESD protective zones (EPA) according to the standard DIN EN 61340-5-1.

### ESD vertical toggle clamp



- with protective cap and handle
- electrostatically dissipative material
- with open clamping arm and horizontal base
- galvanized and passivated
- rivet made of stainless steel, which, for sizes 2 and 3, run in hardened bushings
- pre-lubricated bearings
- ergonomic, oil-resistant handle with large grip surface and soft component
- safety clamping piece with finger protection, lock washer for the trust bolt at the end of the clamping arm

Article no.	Size	A	B	C	D	E	F	H
630.6800.0	0	4	31	8.5 - 13.5	4.5	14	5.0	18
630.6800.1	1	5	39	16.0	4.5	18	6.0	19
630.6800.2	2	6	52	20.0	5.5	25	11.0	23
630.6800.3	3	8	79	20.0	7.5	37	19.0	33

Article no.	Size	H1	HW min.	HW max.	I	K	L	L1
630.6800.0	0	81	-1.5	3.5	8	5.5	-	49
630.6800.1	1	98	-4.0	2.0	10	5.5	-	61
630.6800.2	2	140	-3.0	4.5	12	6.0	12.5	78
630.6800.3	3	186	2.0	11.0	18	7.5	-	112

Article no.	Size	L2	M	M1	N	P	a	a*
630.6800.0	0	50	23.0	-	32	22	95°	-
630.6800.1	1	58	22.5 - 26.0	-	34	27	95°	-
630.6800.2	2	89	23.0 - 31.0	27	43	32	105°	60°
630.6800.3	3	112	32.5	-	46	35	105°	60°

#### dpwlink 24596

Article Type

630.6800.0 **ESD vertical toggle clamp type 6800, size 0**

- clamping screw M4 x 25
- holding force 0.5 - 0.7 kN
- weight 60 g

630.6800.1 **ESD vertical toggle clamp type 6800, size 1**

- clamping screw M5 x 30
- holding force 0.6 - 1.1 kN
- weight 105 g

630.6800.2 **ESD vertical toggle clamp type 6800, size 2**

- clamping screw M6 x 35
- holding force 0.8 - 1.2 kN
- weight 175 g

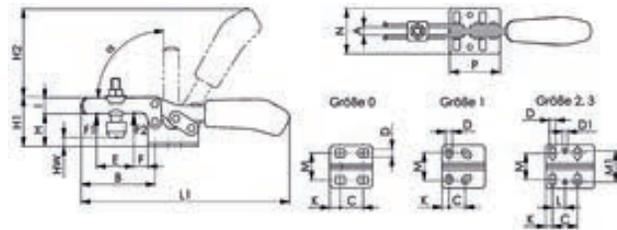
630.6800.3 **ESD vertical toggle clamp type 6800, size 3**

- clamping screw M8 x 45
- holding force 1.2 - 2.5 kN
- weight 410 g

#### Accessories

- 630.6890.0 ESD Clamping screw type 6890, size 0
- 630.6890.1 ESD Clamping screw type 6890, size 1
- 630.6890.2 ESD Clamping screw type 6890, size 2
- 630.6890.3 ESD Clamping screw type 6890, size 3

### ESD Horizontal toggle clamps



- with protective cap and handle of electrostatically dissipative material
- with open clamping arm and horizontal base
- galvanized and passivated
- rivet made of stainless steel, which, for sizes 2 and 3, run in hardened bushings
- pre-lubricated bearings
- ergonomic, oil-resistant handle with large grip surface and soft component
- lock washer for the trust bolt at the end of the clamping arm

Article no.	Size	A	B	C	D	D1	E	F
630.6830.0	0	4	28	11.5 - 15.5	4.6	-	9.0	5.5
630.6830.1	1	5	42	13.0 - 14.5	5.2	-	18.7	8.0
630.6830.2	2	6	64	26.0	5.6	5.6	32.0	16.0
630.6830.3	3	8	73	25.7	6.5	5.1	38.0	14.0

Article no.	Size	H	H1	H2	HW min.	HW max.	I	K
630.6830.0	0	41.5	23.0	34	-5.5	0.0	7.5	6.3
630.6830.1	1	19.0	30.0	49	-3.0	2.5	10.0	5.5
630.6830.2	2	24.0	45.0	68	-1.5	5.0	13.2	6.0
630.6830.3	3	32	48.5	86	-2.0	9.0	15.0	7.0

Article no.	Size	L	L1	M	M1	N	P	a
630.6830.0	0	-	79	16.0	-	25.0	25.5	90°
630.6830.1	1	-	120	18.0 - 21.5	-	34.0	34.0	90°
630.6830.2	2	12.7	162	19.5 - 29.5	28.5	42.0	38.0	90°
630.6830.3	3	13.0	206	22.0 - 31.8	31.6	45.5	50.0	90°

#### dpwlink 24730

Article Type

630.6830.0 **ESD Horizontal toggle clamp typ 6830, size 0**

- clamping screw M4 x 25
- holding force 0.25 - 0.4 kN
- weight 35

630.6830.1 **ESD Horizontal toggle clamp typ 6830, size 1**

- clamping screw M5 x 30
- holding force 0.8 - 1.1 kN
- weight 105 g

630.6830.2 **ESD Horizontal toggle clamp typ 6830, size 2**

- clamping screw M6 x 35
- holding force 1.0 - 1.2 kN
- weight 185 g

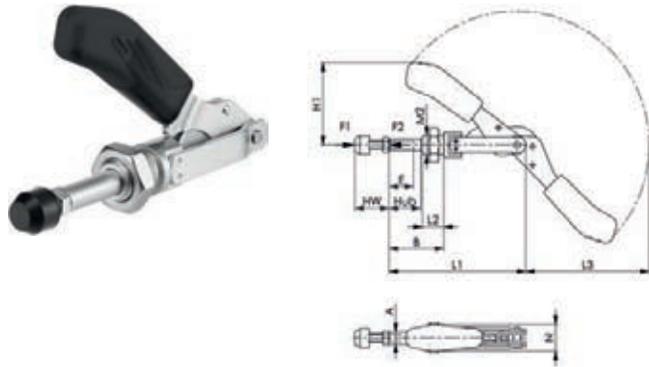
630.6830.3 **ESD Horizontal toggle clamp typ 6830, size 3**

- clamping screw M8 x 45
- holding force 1.8 - 2.5 kN
- weight 320 g

#### Accessories

- 630.6890.0 ESD Clamping screw type 6890, size 0
- 630.6890.1 ESD Clamping screw type 6890, size 1
- 630.6890.2 ESD Clamping screw type 6890, size 2
- 630.6890.3 ESD Clamping screw type 6890, size 3

## ESD Push-pull type toggle clamps



- with protective cap and handle of electrostatically dissipative material
- without angle base
- for push- and pull-clamping (equal operation of rod and lever)
- long rod guide with attaching thread and nut
- galvanized and passivated
- rivet made of stainless steel, which, for sizes 2 and 3, run in hardened bushings
- lever parts and rod of tempered steel
- pre-lubricated bearings
- ergonomic, oil-resistant handle with large grip surface and soft component

Article no.	Size	A	B min.	B max.	E	H1	Hub
630.6840.0	0	6.5	10.5	26.5	13	37.0	16
630.6840.1	1	8.0	17.5	37.5	20	45.5	20
630.6840.2	2	10.0	20.0	46.0	20	66.0	26
630.6840.3	3	12.0	24.0	56.0	30	82.5	32

Article no.	Size	HW min.	HW max.	L1	L2	L3	M2	N
630.6840.0	0	12	20	66.5	10	54	M10 x 1.0	15
630.6840.1	1	12	20	91.0	16	74	M12 x 1.5	18
630.6840.2	2	17	25	114.0	19	105	M16 x 1.5	22
630.6840.3	3	22	35	140.0	22	127	M20 x 1.5	27

dpvlink 24735

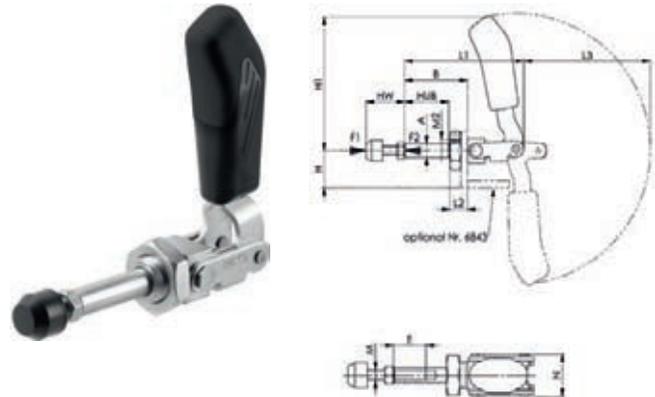


Article	Type
630.6840.0	<b>ESD Push-pull type toggle clamp type 6840, size 0</b> <ul style="list-style-type: none"> <li>• clamping screw M4 x 20</li> <li>• holding force 0.8 - 0.8 kN</li> <li>• weight 60 g</li> </ul>
630.6840.1	<b>ESD Push-pull type toggle clamp type 6840, size 1</b> <ul style="list-style-type: none"> <li>• clamping screw M4 x 20</li> <li>• holding force 1.1 - 1.1 kN</li> <li>• weight 100 g</li> </ul>
630.6840.2	<b>ESD Push-pull type toggle clamp type 6840, size 2</b> <ul style="list-style-type: none"> <li>• clamping screw M6 x 25</li> <li>• holding force 2.0 - 2.0 kN</li> <li>• weight 245 g</li> </ul>
630.6840.3	<b>ESD Push-pull type toggle clamp type 6840, size 3</b> <ul style="list-style-type: none"> <li>• clamping screw M8 x 35</li> <li>• holding force 2.5 - 2.5 kN</li> <li>• weight 330 g</li> </ul>

### Accessories

630.6880.0	ESD Clamping screw type 6880, size 0+1
630.6880.2	ESD Clamping screw type 6880, size 2
630.6880.3	ESD Clamping screw type 6880, size 3

## ESD Push-pull type toggle clamp



- with protective cap and handle of electrostatically dissipative material
- short design
- for push- and pull-clamping
- long rod guide with attaching thread and nut
- galvanized and passivated
- rivet made of stainless steel
- tempered shoulder screws
- pre-lubricated bearings
- ergonomic, oil-resistant handle with large grip surface and soft component

Article no.	Size	A	B	E	H	H1	Stroke	HW min.
630.6844.2	2	10	36	15	24	73	24.5	17
630.6844.3	3	12	57	25	33	123	40.0	22

Article no.	Size	HW max.	L1	L2	L3	M	M2	N
630.6844.2	2	25	68.5	13	68	M6	M16 x 1.5	30.5
630.6844.3	3	35	108.0	16	115	M8	M20 x 1.5	33.0

dpvlink 24741



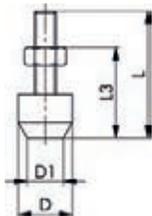
Article	Type
630.6844.2	<b>ESD Push-pull type toggle clamp type 6844, size 2</b> <ul style="list-style-type: none"> <li>• clamping screw M6 x 25</li> <li>• holding force 1.0 - 1.0 kN</li> <li>• weight 130 g</li> </ul>
630.6844.3	<b>ESD Push-pull type toggle clamp type 6844, size 3</b> <ul style="list-style-type: none"> <li>• clamping screw M8 x 35</li> <li>• holding force 2.5 - 2.5 kN</li> <li>• weight 320 g</li> </ul>

### Accessories

630.6880.0	ESD Clamping screw type 6880, size 0+1
630.6880.2	ESD Clamping screw type 6880, size 2
630.6880.3	ESD Clamping screw type 6880, size 3

## ESD Clamping screw type 6880

NEU 



- with protective cap of electrostatically dissipative material
- for push-pull toggle clamp, tempered, galvanized and passivated
- tensile strength class 8.8
- with nut and removable protective cap

Article no.	Size	Screw DIN 933	D	D1	L	L3
630.6880.0	0	M4 x 20	11.0	7	27	12 - 20
630.6880.2	2	M6 x 25	15.0	10	35	17 - 25
630.6880.3	3	M8 x 35	19.5	13	48	22 - 35

dpvlink 24744

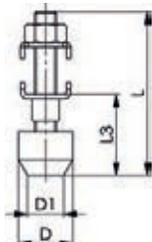


Article Type

- 630.6880.0 **ESD Clamping screw type 6880, size 0+1**
- M4 x 20
  - weight 4 g
- 630.6880.2 **ESD Clamping screw type 6880, size 2**
- M6 x 25
  - weight 15 g
- 630.6880.3 **ESD Clamping screw type 6880, size 3**
- M8 x 35
  - weight 26 g

## ESD Clamping screw type 6890

NEU 



- with protective cap of electrostatically dissipative material
- for open clamping arms, tempered, galvanized and passivated
- tensile strength class 8.8
- with removable protective cap and nut/washer element

Article no.	Size	Screw DIN 933	U-washer size	D	D1	L	L3
630.6890.0	0	M4 x 25	0	11.0	7	32	13 - 20
630.6890.1	1	M5 x 30	1	12.5	8	38	17 - 24
630.6890.2	2	M6 x 35	2	15.0	10	45	18 - 28
630.6890.3	3	M8 x 45	3	15.0	10	58	22 - 34

dpvlink 24748



Article Type

- 630.6890.0 **ESD Clamping screw type 6890, size 0**
- M4 x 25
  - weight 5 g
- 630.6890.1 **ESD Clamping screw type 6890, size 1**
- M3 x 30
  - weight 10 g
- 630.6890.2 **ESD Clamping screw type 6890, size 2**
- M6 x 35
  - weight 22 g
- 630.6890.3 **ESD Clamping screw type 6890, size 3**
- M8 x 45
  - weight 40 g

## Assembly stands

### Small vises

The BERNSTEIN ball joint vise has a steplessly adjustable joint head that can be rotated 360° and tilted +/- 45. The upper part of the vise can thus be tilted in any direction and allows for working in front of or above the table. With a simple lever movement, the ESD vise head is released in the conical socket, individually aligned and clamped again. In the EPA the ESD vise is connected to the grounding point with a 10 mm snap via the base.

### Spannfix BERNSTEIN small vise with table clamp mounting



- suitable for workbenches with a max. table plate thickness of 80 mm
- fast and easy to mount
- steplessly adjustable

#### Technical data:

Clamping pressure:	150 kp
Opening of jaws:	70 mm
Clamping depth:	38 mm
Jaw width:	50 mm
Jaws:	plastic exchangeable
Weight:	1.45 kg
Surface resistance R <sub>p</sub> : (ESD version)	10 <sup>7</sup> - 10 <sup>8</sup> Ohm

dpvlink 6943



Article Type

- 9-205.ESD **Spannfix BERNSTEIN ESD small vise with table clamp mounting**  
ESD version dissipative, color: black
- 9-205 **Spannfix BERNSTEIN small vise with table clamp mounting**  
non-conductive version, color: grey

### Spannfix BERNSTEIN small vise with bolt-on baseplate



- baseplate for a permanent mounting with bolts on workbenches and other surfaces
- fixation with four through holes (ø 9 mm)
- steplessly adjustable

#### Technical data:

Clamping pressure:	1470 N
Opening of jaws:	70 mm
Clamping depth:	38 mm
Jaw width:	50 mm
Jaws:	Plastic, exchangeable
Weight:	1310 g
Baseplate:	150 x 105 mm

dpvlink 6945



Article Type

- 9-215.ESD **Spannfix BERNSTEIN ESD small vise with bolt-on baseplate**  
ESD version dissipative, color black
- 9-215 **Spannfix BERNSTEIN small vise with bolt-on baseplate**  
non conductive version, color grey

## Spannfix BERNSTEIN small vise ESD set



With a simple lever movement, the ESD vise head is released in the conical socket, individually aligned and clamped again. In the EPA the ESD vise is connected to the grounding point with a 10 mm snap via the base.



### 9-205.ESD.SET1 - consisting of:

- 9-205.ESD Vise with ball joint SPANNFIX with table clamp mounting, dissipative
- 2201.233 Grounding plug, 2 x snap 10 mm / 1 x screw connector with knurled nut (for eyelets M4 / M5)
- 2250.756.10 Grounding cable (smooth cable 1.5m), snap 10 mm / snap 10 mm



### 9-215.ESD.SET1 - consisting of:

- 9-215.ESD Vise with ball joint SPANNFIX with bolt-on plate, dissipative
- 2201.233 Grounding plug, 2 x snap 10 mm / 1 x screw connector with knurled nut (for eyelets M4 / M5)
- 2250.756.10 Grounding cable (smooth cable 1.5m), snap 10 mm / snap 10 mm

[dpvlink 24629](#)

Article	Type
9-205.ESD.SET1	<b>Spannfix BERNSTEIN ESD SET</b> ESD small vise with table clamp mounting
9-215.ESD.SET1	<b>Spannfix BERNSTEIN ESD SET</b> ESD small vise with bolt-on plate

## Spannfix Vario

The SPANNFIX Vario individual elements can be combined arbitrarily.



Application example 1  
9-251.ESD  
9-253.ESD  
9-255.ESD

Application example 2  
9-251.ESD  
9-252.ESD

## Spannfix BERNSTEIN ESD Vario base with table clamp mounting



- with table clamp mounting, for the screwing on workbenches
- max. table plate thickness of 80 mm
- weight: 0.95 kg.

[dpvlink 6964](#)

Article	Type
9-251.ESD	<b>Spannfix BERNSTEIN ESD Vario base with table clamp mounting</b> ESD version, dissipative, color: black
9-251	<b>Spannfix BERNSTEIN Vario base with table clamp mounting</b> not conductive version, color: grey

## Spannfix BERNSTEIN ESD Vario base with bolt-on baseplate



- ith screw-on baseplate and threaded pin M 12 x 1.5 for a permanent mounting with bolts
- base plate 150 x 105 mm
- weight: 0.80 kg.

[dpvlink 6966](#)

Article	Type
9-261.ESD	<b>Spannfix BERNSTEIN ESD Vario base with bolt-on baseplate</b> ESD version, color black
9-261	<b>Spannfix BERNSTEIN ESD Vario base with bolt-on baseplate</b> non conductive version, color grey

## Spannfix base ESD set



ESD set consisting of:

- 9-205.ESD or 9-215.ESD SPANNFIX Vario ESD base with ball joint, dissipative
- 2201.233 Grounding plug, 2 x snap 10 mm / 1 x screw connector with knurled nut (for eyelets M4 / M5)
- 2250.756.10 Grounding cable (smooth cable 1.5m), snap 10 mm / snap 10 mm

**dpvlink 24632**

Article	Type
9-251.ESD.SET1	Spannfix BERNSTEIN ESD Vario base with table clamp mounting SET
9-261.ESD.SET1	Spannfix BERNSTEIN ESD Vario base with bolt-on plate SET

## Screw head SPANNFIX



**Technical data:**

- Clamping pressure: 150 kp
- Opening of jaws: 70 mm
- Clamping depth: 38 mm
- Jaw width: 50 mm
- Jaws: Plastic, exchangeable
- Weight: 0.56 kg

**dpvlink 6952**

Article	Type
9-252.ESD	Screw head ESD SPANNFIX ESD version, dissipative, color: black
9-252	Screw head SPANNFIX non-conductive version, color: grey

## PCB holder SPANNFIX



Adjustable span width, arbitrary extension possible at any time, correct clamping by adjusting the center position; firm clamping of the PCB by integrated suspension in the holding bars.

**dpvlink 6954**

Article	Type
9-253.ESD	PCB holder ESD SPANNFIX 25-270 mm span width, max. height 70 mm, weight: 0.28 kg, ESD version dissipative, color: black

## Angular adapter



- usable for any attachable tool allowing an even larger turning radius (article no. 9-253/9.253.ESD)
- weight: 0.095 kg.

**dpvlink 6960**

Article	Type
9-255.ESD	Angular adapter ESD SPANNFIX ESD version, dissipative, color: black
9-255	Angular adapter SPANNFIX non-conductive version, color: grey

## Universal screw-on plate SPANNFIX



- Slots made for common standard screws, for the construction of prototypes or for holding e.g. tuner, line output transformer, loudspeakers etc.
- weight: 95 g

**dpvlink 6968**

Article	Type
9-254.ESD	Universal screw-on plate ESD SPANNFIX ESD version, color black
9-254	Universal screw-on plate SPANNFIX non conductive version, color grey

## Cover plate SPANNFIX for equipped frames



- for the use with 9-253
- covered with 20 mm foam
- components of different sizes are pressed in such a way that after turning the PCB holder a correct soldering is possible
- size of the cover plate: 240 x 130 mm
- weight: 0.26 kg.

**dpvlink 6956**

Article	Type
9-256	Cover plate SPANNFIX for equipped frames (to 9-253) not conductive version, color: red

## Rapid turning device SPANNFIX



- for the use with 9-253 / 9-253.ESD
- with fixed angle adapter
- allows an extremely fast rotation of the PCB holder with PCB and cover plate by 180°
- weight: 0.27 kg.

**dpvlink 6962**

Article	Type
9-257.ESD	Rapid turning device ESD ESD version, dissipative, color: black

## SPANNFIX 4.0

### Ball-joint vise SPANNFIX 4.0 with table clamp



- due to the ball joint the head can be rotated by 360° and tilted up to 90°
- 4 clamping pins (rotatable about the axes) can be adjusted to every item in shape and size
- centering lug for vertical work
- profiled jaws (smooth side as well as a side with a edge and two vertical grooves) designed as reversible jaws that can be replaced
- integrated ruler to read the clamping depth directly from the vise
- base including table clamp for mounting the SPANNFIX to even table edges of up to 80 mm as well as to the table corner itself - this is the optimal position to use the entire working radius of 330 mm

#### Technical data:

Clamping force:	12,000 N
Opening of jaws:	100 mm
Clamping depth:	50 mm
Jaw width:	100 mm
Weight:	5.50 kg

**dpvlink** 24118

Article	Type
9-290	Spannfix 4.0 vise



## Turntables

### ESD turntables octagon



- Upper material: conductive, cross-linked PE foam (6 mm), black
- Base: galvanized steel turntable
- very low profile (25 mm)
- load capacity max. 23 kg

In compliance with ESD standard DIN EN 61340-5-1 

**dpvlink** 18699

Article	Type
5805.47200	<b>ESD turntable</b>
5805.47201	<b>ESD turntable</b> Diameter: 394 mm



## Assembly frames

### PCSA assembly frames



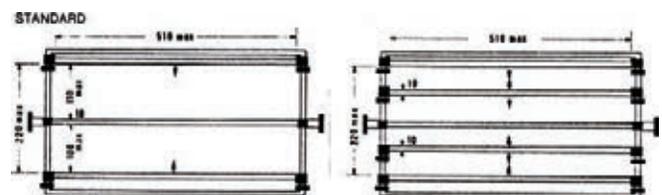
The assembly frames facilitate the equipping and soldering of PCBs, especially for series production.

The PCB are placed and held between the guide rails by locking knurled nuts. The central rail is removable allowing an optimal use of the working surface.

After the assembly the components are pressed by the cover plate with ESD foam insert. The distance of the pressure plate to the frame is adjustable, the lid is closed by springs. The PCBs are moved back into the working position by the raising and turning of the holder.

During the soldering and cutting, the components are held safely. The holding frame can be simply removed and transported to the next workstation.

In compliance with the ESD standard DIN EN 61340-5-1 



The standard types of PCSA 1-2-3-4 are equipped with 1 central rail and 2 adjustable guide rails.

**dpvlink** 3036

Article	Type
690.101.ESD	<b>PCSA 1 ESD assembly frame</b> max. PCB size 270 x 220 mm
690.102.ESD	<b>PCSA 2 ESD assembly frame</b> max. PCB size 500 x 220 mm
690.104.ESD	<b>PCSA 4 ESD assembly frame</b> max. PCB size 500 x 350 mm



#### Accessories

690.201	Additional rail for PCSA 1, complete
690.202	Additional rail for PCSA 2, complete
690.204	Additional rail for PCSA 4, complete

## Dispensing pens

### Dispensing pen ESD Bonpen



Empty dispensing pen refillable

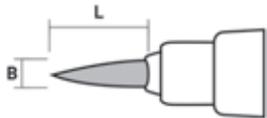
- 7 different tips for diverse applications
- Excellent for fine and precise application of the flux or other suitable solutions
- Usable for flux, solvents, lubricants, masks and water-based products
- antistatic / ESD version

dpvlink 23097



Article	Type
I-BON-102.ESD	<b>Dispensing pen ESD BON-102</b> Tip I-BR-102 conical short, fine nylon brush Width 4.3 mm, length 14 mm
I-BON-102B.ESD	<b>Dispensing pen ESD BON-102B</b> Tip I-BR-102B conical short, fine felt Width 4.0 mm, length 9.5 mm
I-BON-102D.ESD	<b>Dispensing pen ESD BON-102D</b> Tip I-BR-102D chisel-shaped flat, fine nylon brush Width 6.2 mm, length 17 mm
I-BON-102F.ESD	<b>Dispensing pen ESD BON-102F</b> Tip I-BR-102F chisel-shaped flat, fine felt Width 4.5 mm, length 10 mm
I-BON-102K.ESD	<b>Dispensing pen ESD BON-102K</b> Tip I-BR-102K chisel-shaped oblique, fine felt Width 4.5 mm, length 12.5 mm
I-BON-102S.ESD	<b>Dispensing pen ESD BON-102S</b> Tip I-BR-102S conical ultrafine and extra short, fine nylon brush Width 2.5 mm, length 10 mm
I-BON-102T.ESD	<b>Dispensing pen ESD BON-102T</b> Tip I-BR-102T conical long, fine nylon brush Width 5.2 mm, length 18 mm
I-BON-102A.ESD	<b>Dispensing pen ESD BON-102A</b> contains dispensing pens Bonpen I-BON-102, I-BON-102B, I-BON-102D, I-BON-102F, I-BON-102K, I-BON-102S, I-BON-102T

### Tips Bonpen



PU: 5 pieces

dpvlink 23098



Article	Version	W [mm]	L [mm]
I-BR-102.ESD	conical shape short, fine nylon brush	4.3	14
I-BR-102B.ESD	conical shape short, fine felt	4.0	9.5
I-BR-102D.ESD	chisel shape flat, fine nylon brush	6.2	17
I-BR-102F.ESD	chisel shape flat, fine felt	4.5	10
I-BR-102K.ESD	chisel shape oblique, fine felt	4.5	12.5
I-BR-102S.ESD	Conical ultrafine and extra short, fine nylon brush	2.5	10
I-BR-102T.ESD	conical shape long, fine nylon brush	5.2	18

### Cartridge for dispensing tip Bonpen ESD



dpvlink 23114



Article	Type
I-CA102.ESD	<b>Replacement cartridge for dispensing pen ESD Bonpen</b> Content: 7ccm, PU: 5 pieces

## Dispensing equipment

### DC150 Dispenser



The analog dispenser DC150 is only recommended for manual dispensing applications. The dispensing process is triggered by pressing the foot switch. The device is a low-cost alternative and ensures continuous dispensing operations with the same precision and quality. It is suitable for all types of media and equipped with vacuum retention to that to avoid dripping of low-viscosity media.

#### Features:

- Continuous dosing cycle
- Wide application range
- Vacuum retention to prevent dripping
- low-cost, highly reliable system



1. Vacuum retention
2. Compressed air outlet
3. Pressure gauge for compressed air outlet
4. Pressure regulator
5. Power LEDs

#### Technical data:

Dimensions:	235 x 75 x 220 mm
Dispensing method:	Manual
Input voltage:	85-264 V AC / 50/60 Hz
Working voltage:	24 V DC (incl. foot switch)
Compressed air input:	0-7 bar
Compressed air output:	0.1-7 bar
Weight:	approx. 1.3 kg

#### Accessory kit (scope of delivery)

	Pieces	
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
990062-K	dispensing needle set small 17-piece	

dpvlink 19869



Article	Type
DC150	<b>DC150 Dispenser</b> incl. standard accessories

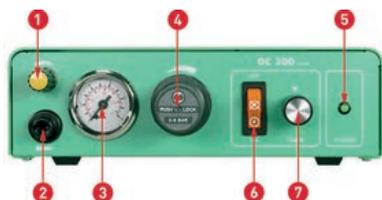
## DC270 Dispenser with time control



The devices of the **DC 200 dispenser series** are equipped with a timer allowing to adjust a dosing time of 0.01 to 30 seconds. The two available versions can be distinguished by the dimensioning of the compressed air outlet. The DC 200 is designed to control precisely the pneumatically controlled dosing cycles, like e.g. dosing cycles of 3 – 55 cc small cartridges. The integrated pressure regulator allows for a precise pressure.

### Features:

- Timer
- Pressure gauge to set the pressure
- wide-range power supply unit 85-264V AC
- Vacuum retention



1. Vacuum retention
2. Compressed air outlet
3. Pressure gauge for compressed air outlet
4. Pressure regulator
5. Power LED
6. Timer ON / OFF
7. Adjustment of period

### Technical data:

Dimensions:	235 x 75 x 220 mm
Time range:	0.01 - 31 seconds
Dispensing method:	manual or time-controlled
Input voltage:	85-264 V AC / 50/60 Hz
Working voltage	24 V DC (incl. foot switch)
Compressed air input:	0-7 bar
Compressed air output:	0.1-7 bar
Weight:	1.3 kg

### Accessory kit (scope of delivery)

Article	Type	Pieces
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
990062-K	dispensing needle set small 17-piece	

dpwlink 19859

Article	Type
DC270	<b>DC270 Dispenser</b> incl. standard accessories



## DC370 Dispenser with time control



A digital control of the input pressure and an adjustable pressure limit increase the process reliability of the **DC 300**. The four devices of the DC 300 series can be distinguished by the compressed air output and the optional I/O port allowing an integration of the DC 300 in automated workflows.

### Features:

- optional I/O port
- digital display
- cycle operation
- 9 program courses
- input pressure monitoring with integrated pressure sensor and error display
- switchable unit bar/psi
- timer
- pressure gauge for compressed air regulation
- wide-range power supply 85-264V AC
- vacuum retention



1. Vacuum retention
2. Compressed air outlet
3. Pressure gauge for compressed air outlet
4. Pressure regulator
5. 7-segment display
6. Status LEDs
7. Operating keys

### Technical data:

Dimensions:	235 x 75 x 220 mm
Time range:	0.01-9999 seconds
Dispensing method:	manual or time-controlled
Input voltage:	85 - 264 V AC
Working voltage:	24 V DC (incl. foot switch)
Compressed air input:	0-7 bar
Compressed air output:	0.1-7 bar
Weight:	1.3 kg

### Accessory kit (scope of delivery)

Article	Type	Pieces
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
990062A-G	dispensing needle set large 134-piece	

dpwlink 19864

Article	Type
DC370	<b>DC370 Dispenser</b> incl. standard accessories



## DC600 Dispenser with vacuum tweezers



The vacuum tweezers turn the **DC 600** into the ideal device for pick-and-place applications and for the mounting and reworking of small components. Before positioning the components it is possible to apply solder pastes and other materials with maximum precision. so, the DC600 is suitable for many industrial applications in the miniature field. It is suitable for all types of media. The device is equipped with a vacuum retention system to avoid a dripping of low-viscose media.

### Features:

- two functions in one device
- vacuum tweezers
- timer
- vacuum suck-back to avoid dripping
- suitable for dispensing and positioning applications



1. Vacuum retention
2. Compressed air outlet
3. Pressure gauge
4. Pressure regulator
5. Power LED
6. Timer ON / OFF
7. Adjustment of period
8. Connection for vacuum tweezers
9. Vacuum for vacuum tweezers

### Technical data:

Dimensions:	260 x 75 x 220 mm
Time range:	0.01-31 seconds
Dispensing method:	manual or time-controlled
Input voltage:	85-264 V AC
Working voltage (incl. foot switch):	24 V DC
Dispensing speed:	600+/minute
Compressed air input:	0-7 bar
Compressed air outlet:	0.1-7 bar
Weight:	1.5 kg

### Accessory kit (scope of delivery)

Article	Type	Pieces
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
990062A-G	dispensing needle set large 134-piece	1
560046	tweezers with vacuum function incl. vacuum exhauster mm Ø 3.5 / Ø 5.1 / Ø 6.4 / Ø 8.1 / Ø 10.2 and dispensing needles 45° bent mm Ø 0.5 / Ø 0.8 / Ø 1.6	

### dpvlink 17376

Article	Type
DC600	<b>DC600 Dispenser</b> incl. standard accessories



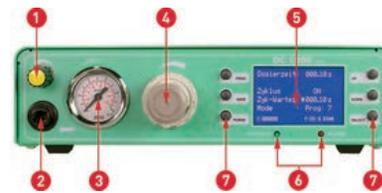
## DC1000 Digital dispenser



The **digital dispenser of the DC1000 series** is the ideal entry to the digital dosing technology. The device is operated with the keys on the left and right of the display showing all parameters. Information about dosing time control, teach-in function, program selection, cycle counter, digital pressure monitoring, etc. can be easily read due the simple and self-explanatory display. The device can communicate with PLC or machine control via the standard I/O interface.

### Features:

- digital pressure input display
- 8 program channels
- cycle counter
- precision pressure regulator
- Made in Germany



1. Vacuum retention
2. Compressed air outlet
3. Pressure gauge for compressed air outlet
4. Precision pressure regulator
5. Display
6. Status LEDs
7. Operating keys

### Technical data:

Dimensions:	260 x 75 x 220 mm
Weight:	1.5 kg
Dosing time:	0.01-999 seconds
Operation mode:	manual or time-controlled
Input voltage:	85-264 V AC
Working voltage:	24 V DC (incl. foot switch)
Compressed air input:	0-7 bar
Compressed air outlet:	0.08-6 bar
Display:	128 x 64 Pixel
Programs:	9 program channels

### Accessory kit (scope of delivery)

Article	Type	Pieces
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
990062A-G	dispensing needle set large 134-piece	

### dpvlink 25072

Article	Type
DC1020	<b>DC1020 Digital dispenser - max. 2 bar</b> with standard accessories
DC1040	<b>DC1040 Digital dispenser - max. 4 bar</b> with standard accessories
DC1060	<b>DC1060 Digital dispenser - max. 6 bar</b> with standard accessories



## DC1100 Digital dispenser



The DC1100 dispenser series is available in different versions differing in the height of the maximal dosing pressure. It is designed to control precisely the pneumatically controlled dosing cycles, like e.g. dosing cycles of 3 – 55 cc small cartridges. The used precision pressure regulator allows adjusting exactly the pressure on the material in the cartridge. The calibration of the vacuum retention is shown on the display. The digital pressure control including display of the input pressure increases the process reliability.

### Features:

- timer
- I/O port
- precision pressure regulator
- input pressure control
- backlit display
- digital display of the vacuum retention
- EMC-safe and tested



1. Vacuum retention
2. Compressed air outlet
3. Pressure gauge for compressed air outlet
4. Precision pressure regulator
5. Display
6. Status LEDs
7. Operating keys

### Technical data:

Dimensions:	260 x 75 x 220 mm (W x H x D)
Weight:	1.5 kg
Dosing time:	0.01 - 999 Sekunden
Input voltage:	85-264 V AC
Working voltage:	24 V DC (incl. foot switch)
Compressed air input:	up to 7 bar (display: digital)
Compressed air outlet:	0.08 - 6 bar
Vacuum retention:	<ul style="list-style-type: none"> <li>• digital display of all pressures</li> <li>• display as numeric value and level indicator</li> <li>• 3-digit without unit</li> </ul>
Display:	128 x 64 Pixel
Programs:	8 program channels

### Accessory kit (scope of delivery)

Article	Type	Pieces
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
990062A-G	dispensing needle set large 134-piece	

dpvlink 25115



Article	Type
DC1120	<b>DC1120 Digital dispenser - max. 2 bar</b> with standard accessories
DC1140	<b>DC1140 Digital dispenser - max. 4 bar</b> with standard accessories
DC1160	<b>DC1160 Digital dispenser - max. 6 bar</b> with standard accessories

## DC1200 Digital dispenser



The fully digital DC1200 provides a completely revised display allowing to read all relevant working pressures as level indicator and numeric value. The advantage of the digital display is its precise readability. Dosing pressure, vacuum retention and dosing times can be set and monitored precisely and reproducibly. The DC1200 provides a teach-in function, a program selection with 8 memories, a cycle counter etc. The simple and self-explanatory menu display offers highest ease of use. The device can communicate with PLC or machine control via the standard I/O interface.

### Features:

- timer
- I/O port
- precision pressure regulator
- input pressure control
- backlit display
- digital display of the vacuum retention
- EMC-safe and tested



1. Vacuum retention
2. Compressed air outlet
3. Precision pressure regulator
4. Display
5. Status LEDs
6. Operating keys

### Technical data:

Dimensions:	260 x 75 x 220 mm (W x H x D)
Weight:	1.5 kg
Dosing time:	0.01 - 999 Sekunden
Input voltage:	85-264 V AC
Working voltage:	24 V DC
Compressed air input:	up to 7 bar (display: digital)
Compressed air outlet:	0.08 - 6 bar
Vacuum retention:	<ul style="list-style-type: none"> <li>• digital display of all pressures</li> <li>• display as numeric value and level indicator</li> <li>• 3-digit without unit</li> </ul>
Display:	128 x 64 Pixel
Programs:	8 program channels

### Accessory kit (scope of delivery)

Article	Type	Pieces
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
990062A-G	dispensing needle set large 134-piece	

dpvlink 25119



Article	Type
DC1220	<b>DC1220 Digital dispenser - max. 2 bar</b> with standard accessories
DC1240	<b>DC1240 Digital dispenser - max. 4 bar</b> with standard accessories
DC1260	<b>DC1260 Digital dispenser - max. 6 bar</b> with standard accessories

## DC3000 Digital dispenser

NEU 



Nearly all parameters of the dispenser DC 3000 can be set via the touch screen. Only the knobs for dispensing pressure and vacuum retention are located at the housing. The large storage of the DC 3000 allows saving up to 64 program channels. It is possible to arrange and run sequentially one after the other up to five dispensing programs.

### Properties:

- Digital pressure display
- 64 program channels
- Color display
- upper and lower limit definable
- pin code allocation



1. Vacuum retention
2. Compressed air outlet
3. Precision pressure regulator
4. 5" Touch screen

### Technical data:

Dimensions:	245 x 110 x 115 mm
Weight:	1.5 kg
Dosing time:	0.01-999 seconds
Operation mode:	digital
Input voltage:	85-264 V AC
Working voltage:	24 V DC (incl. foot switch)
Compressed air input:	up to 7 bar
Compressed air outlet:	0.08-6 bar
Programs:	64 program channels

### Scope of delivery

Article	Description	Pieces
504576	cold-device cable 230V AC	1
504569	foot switch	1
504571	cartridge holder	1
504572	hose for compressed air inlet	1
990180	30cc cartridge adapter	1
801004	30cc cartridge	3
801009	30cc plug	3
508530	dispensing needle set large 125-piece	1

### dpvlink 26471

Article	Type
DC3000	<b>DC3000 Digital dispenser touch screen</b> incl. standard accessories



## DB-815 foot valve dispenser



The DB-815 foot valve dispenser is the robust and cost-efficient dosing unit for simple purposes. The dispensing impulse is controlled by the foot pedal achieving a perfect control of the dispensing process. Liquids of any viscosity can easily be processed.

### dpvlink 2880

Article	Type
DB815	<b>DB-815 foot valve dispenser, without vacuum</b> (without accessories)



## Consumables

### Cartridges PP series 8000 "transparent"



for UV applications

### dpvlink 22240

Article	Size in cm <sup>3</sup>	Shipping Unit
801001	3	50 piece
801002	5	40 piece
801003	10	30 piece
801004	30	20 piece
801005	55	15 piece



### Cartridges PP series 8000 "amber"



for UV applications

### dpvlink 22246

Article	Size in cm <sup>3</sup>	Shipping Unit
801040	3	50 piece
801041	5	40 piece
801042	10	30 piece
801043	30	20 piece
801044	55	15 piece



### Cartridges PP series 8000 "black"



for UV applications

### dpvlink 22252

Article	Size in cm <sup>3</sup>	Shipping Unit
801045	3	50 piece
801046	5	40 piece
801047	10	30 piece
801048	30	20 piece
801049	55	15 piece



## Cartridge adapter series 8000



The cartridge adapter of the series 8000 permits a safe and quick connection of the cartridge to the compressed air socket of the dispenser.

PU = 1 piece

**dpvlink 22259** 

Article	Type
990183	<b>Cartridge adapter 3cc</b> with 1m tube
990182	<b>Cartridge adapter 5 cc</b> with 1m tube
990181	<b>Cartridge adapter 10cc</b> with 1m tube
990180	<b>Cartridge adapter 55/30 cc</b> with 1m tube

## Adapter head series 8000



replacement part, incl. O-Ring, for 4/2 tube

PU = 1 piece

**dpvlink 22274** 

Article	Type
990191	Adapter head for 3cc cartridge
990190	Adapter head for 5cc cartridge
990189	Adapter head for 10cc cartridge
990188	Adapter head for 55/33cc cartridge

## Plug series 8000



green, polyethylene, with Smooth Flow

**dpvlink 22279** 

Article		Size in cm <sup>3</sup>	Shipping Unit
801006	Plug Smooth-Flow green 3cc	3	50 piece
801007	Plug Smooth-Flow green 5cc	5	40 piece
801008	Plug Smooth-Flow green 10cc	10	30 piece
801009	Plug Smooth-Flow green 55/30cc	55 / 30	20 piece

## End cap series 8000



green, polyethylene

**dpvlink 22284** 

Article		Size in cm <sup>3</sup>	Shipping Unit
801038	Needle cap	3-55	10
801034	Upper end cap 3cc cartridge	3	10
801035	Upper end cap 5cc cartridge	5	10
801036	Upper end cap 10cc cartridge	10	10
801037	Upper end cap 30/55cc cartridge	30 / 55	10

## Adapter hose series 8000 for cartridge adapter heads



Replacement part, polyvinyle, transparent.

**dpvlink 22294** 

Article		Internal Ø	External Ø
560780	Adapter hose for cartridge adapter heads	3.0 mm	6.0 mm

## Compressed air hose for dispensers and controllers

**dpvlink 26510** 

Article		Internal Ø	External Ø
504509	Compressed air hose for dispensers and controllers	4.0	6.0

## Safety clip series 8000



replacement part, for cartridge adapter

**dpvlink 22306** 

Article	Type
5606034	Safety clip for cartridge adapter

## Fine filter for compressed air series 8000



Transparent fine filter (10µ) as backflow protection at the compressed air outlet to the dispensing cartridge when dispensing low-viscosity liquids.

- for hose with 4 mm internal diameter
- burst pressure above 3 bar

**dpvlink 22308** 

Article	Type
500942	Fine filter for compressed air hose 504509

## Plug "Neoprene"



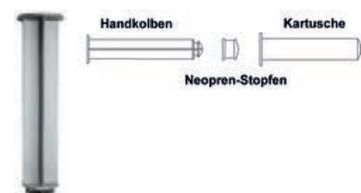
black

PU = 20 pieces

**dpvlink 2854** 

Article	
502799	<b>Plug "Neoprene"</b> for 80cc / 55cc / 30 cc cartridges

## Hand piston



suitable for plugs "Neoprene"

**dpvlink 8705** 

Article		Size in cm <sup>3</sup>
560002A-PLR	Hand piston 30cc	30

## O-Ring "Buna"



black

PU = 10 pieces

**dpvlink 2882** 

Article	Type
560005B	O-Ring "Buna" for cartridge 5cc
560006B	O-Ring "Buna" for cartridge 55cc/30cc
560038B	O-Ring "Buna" for cartridge 3cc
560043B	O-Ring "Buna" for cartridge 10cc

## O-Ring "Viton"



for aggressive liquids

PU = 10 pieces

### dpvlink 2887

Article	Type
560005V	O-Ring "Viton" for cartridge 5cc
560006V	O-Ring "Viton" for cartridge 55cc/30cc
560038V	O-Ring "Viton" for cartridge 3cc
560043V	O-Ring "Viton" for cartridge 10cc

## Needle cap



PU = 10 pieces

### dpvlink 2897

Article	Color	Thread
580142	clear	no
580142-WT	white	yes
580142-BLK	black	yes

## Filter / hose clamps



PU = 1 piece

### dpvlink 2905

Article	Type
560034	Filter universal
580175	Hose clamp, preformed (metal)
580175R	Hose clamp, round (metal)
560755	Hose clamp, plastic EFD type
580035.42	Device plug replacement for tube 4/2
580035.64	Device plug replacement for tube 6/4

## Dispensing needles

### Dispensing needle standard (with thread)



With plastic body, capillary tube made of stainless steel, length 6.35 mm (1/4"), PU = 50 pieces

### dpvlink 8635

Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard (with thread)</b>				
F560087-0.25	18	green	0.84 mm	6.35
F560088-0.25	20	rose	0.58 mm	6.35
F560089-0.25	21	purple	0.51 mm	6.35
F560090-0.25	22	blue	0.41 mm	6.35
F560014-0.25	23	orange	0.33 mm	6.35
F560015-0.25	25	red	0.25 mm	6.35
F561020-0.25	27	transparent	0.20 mm	6.35
F560016-0.25	30	lavender	0.15 mm	6.35
F561387-0.25	32	yellow	0.11 mm	6.35

### Dispensing needle standard (with thread)



with plastic body, capillary tube made of stainless steel, length 12.5 mm (1/2"), PU = 50 pieces

### dpvlink 8645

Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard (with thread)</b>				
F560085	14	olive	1.60 mm	12.5
F560086	15	amber	1.37 mm	12.5
F560087	18	green	0.84 mm	12.5
F560088	20	rose	0.58 mm	12.5
F560089	21	purple	0.51 mm	12.5
F560090	22	blue	0.41 mm	12.5

### dpvlink 8645

Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard (with thread)</b>				
F560014	25	orange	0.33 mm	12.5
F560015	25	red	0.25 mm	12.5
F561020	27	clear	0.20 mm	12.5
F560016	30	lavender	0.15 mm	12.5

### Dispensing needle standard (with thread)



With plastic body, capillary tube made of stainless steel, length 25.4 mm (1"), PU = 50 pieces

### dpvlink 8656

Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard (with thread)</b>				
F560085-1	14	olive	1.60 mm	25.4
F560086-1	15	amber	1.37 mm	25.4
F560087-1	18	green	0.84 mm	25.4
F560088-1	20	rose	0.58 mm	25.4
F560089-1	21	purple	0.51 mm	25.4
F560090-1	22	blue	0.41 mm	25.4
F560014-1	23	orange	0.33 mm	25.4
F560015-1	25	red	0.25 mm	25.4
F561020-1	27	clear	0.20 mm	25.4
F560016-1	30	lavender	0.15 mm	25.4

### Dispensing needle standard (with thread)



with plastic body, capillary tube made of stainless steel, length 38 mm (1.5"), PU = 50 pieces

### dpvlink 8667

Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard (with thread)</b>				
F560085-1.5	14	olive	1.60 mm	38.0
F560086-1.5	15	amber	1.37 mm	38.0
F560087-1.5	18	green	0.84 mm	38.0
F560088-1.5	20	rose	0.58 mm	38.0
F560089-1.5	21	purple	0.51 mm	38.0
F560090-1.5	22	blue	0.41 mm	38.0
F560014-1.5	23	orange	0.33 mm	38.0
F560015-1.5	25	red	0.25 mm	38.0
F561020-1.5	27	clear	0.20 mm	38.0
F560016-1.5	30	lavender	0.15 mm	38.0

### Dispensing needle tapered (with thread)



Material PP, length 31.5 mm (1.25") PU = 50 pieces

### dpvlink 2963

Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle tapered (with thread)</b>				
560783	14	orange	1.60 mm	31.5
560010	16	grey	1.20 mm	31.5
560011	18	green	0.84 mm	31.5
560012	20	rose	0.58 mm	31.5
560013	22	blue	0.41 mm	31.5

### Dispensing needle flexible (with thread)



Material PP, length 12.5 mm (1/2") / 38.0 mm (1.5") PU = 50 pieces

### dpvlink 2969

Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle flexible (with thread)</b>				
560103-0.5	15	amber	1.24 mm	12.5
560104-0.5	18	green	0.81 mm	12.5
560105-0.5	20	rose	0.58 mm	12.5
560106-0.5	25	red	0.36 mm	12.5
560103	15	amber	1.24 mm	38.0
560104	18	green	0.81 mm	38.0
560105	20	rose	0.58 mm	38.0
560106	25	red	0.26 mm	38.0

## Dispensing needle standard 45° (with thread)



angled by 45°, capillary tube made of stainless steel, with plastic body, length 12.5 mm (1/2"), PU = 50 pieces

dpvlink 8678



Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard 45° (with thread)</b>				
F560016-45	30	lavender	0.15 mm	12.5
F561020-45	27	clear	0.20 mm	12.5
F560015-45	25	red	0.25 mm	12.5
F560014-45	23	orange	0.33 mm	12.5
F560090-45	22	blue	0.41 mm	12.5
F560089-45	21	purple	0.51 mm	12.5
F560088-45	20	rose	0.58 mm	12.5
F560087-45	18	green	0.84 mm	12.5
F560086-45	15	amber	1.37 mm	12.5
F560085-45	14	olive	1.60 mm	12.5

## Dispensing needle standard 45° (with thread)



angled by 45°, capillary tube made of stainless steel, with plastic body, length 38 mm (1.5"), PU = 50 pieces

dpvlink 8689



Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard 45° (with thread)</b>				
F560087-45-1.5	18	green	0.84 mm	38.0
F560085-45-1.5	14	olive	1.60 mm	38.0

## Dispensing needle standard 90° (with thread)



angled by 90°, with plastic body, capillary tube made of stainless steel length 12.5 mm (0.5") PU = 50 pieces

dpvlink 8693



Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard 90° (with thread)</b>				
F560016-90	30	lavender	0.15 mm	12.5
F561020-90	27	clear	0.20 mm	12.5
F560015-90	25	red	0.25 mm	12.5
F560014-90	23	orange	0.33 mm	12.5
F560090-90	22	blue	0.41 mm	12.5
F560089-90	21	purple	0.51 mm	12.5
F560088-90	20	rose	0.58 mm	12.5
F560087-90	18	green	0.84 mm	12.5
F560086-90	15	amber	1.37 mm	12.5
F560085-90	14	olive	1.60 mm	12.5

## Dispensing brush



PU = 1 piece

dpvlink 8709



Article	Hardness
561088	hard
561087	soft

## Dispensing needle standard (without thread)



With plastic body, capillary tube made of stainless steel, length 12.5 mm (1/2"), PU = 50 pieces

dpvlink 2913



Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard (without thread)</b>				
560090	22	blue	0.41 mm	12.5
560014	23	orange	0.33 mm	12.5
560964	26	beige	0.22 mm	12.5
560016	30	lavender	0.15 mm	12.5

## Dispensing needle standard (without thread)



with plastic body, capillary tube made of stainless steel length 25.4 mm (1") PU = 50 pieces

dpvlink 2915



Article	Size	Color	Internal Ø	L [mm]
<b>Dispensing needle standard (without thread)</b>				
560088-1.0	20	rose	0.58 mm	25.4
560090-1.0	22	blue	0.41 mm	25.4

## Dispensing needle assortment



Different standard and tapered dispensing needles in a plastic box

dpvlink 2979



Article	Type
990062.K	<b>Dispensing needle assortment small 17-piece</b>
990062.B	<b>Dispensing needle assortment large 125-piece</b>

## Dispensing equipment Kahnetics

### Dispenser KDS834A standard

Kahnetics®



### Dispenser KDS834A standard

- Supply voltage: 230V/120V
- Dispensing time adjustable between 0.01-99.99 seconds
- no dripping due to vacuum equipment
- electrical foot switch

dpvlink 13504



Article	Type
531.656.99	<b>Dispenser KDS834A standard</b> Dispensing time adjustable 0.01... 99.99 sec, with electrical foot switch, no dripping due to vacuum equipment

## Foot valve KDS806V

Kahnetics®



### Foot valve KDS806V

- Simple on / off function
- Foot control for an excellent handling
- Compressed air operation - no power supply required
- Pressure regulator (0-7 bar) and display
- No dripping due to vacuum equipment

dpvlink 13505

Article Type

KDS806V **Foot valve KDS806V**  
Pressure regulator and display 0-7 bar, no dripping due to vacuum equipment



## KDS301 vacuum pipette

Kahnetics®



### KDS301 vacuum pipette

- Compatible to the dispensing devices KDS824A and KDS834A
- Can be connected to a compressed air hose with a 4 mm diameter via a pressure reducer
- A finger switch on the pipette allows an easy gripping of small components
- Conductive rubber suction cups in three sizes KDS260S (3.2 mm), KDS260M (6.3 mm) and KDS260L (9.5 mm) included in the scope of delivery

dpvlink 13506

Article Type

KDS301 **KDS301 vacuum pipette**  
Connection to KDS824A/KDS834A; for compressed air hose with a 4 mm external diameter



## Consumables Kahnetics

### Kahnetics metal adapter sets

Kahnetics®



Metal cartridge adapter with 2 m compressed air hose and plug connection can be used for all customary cartridges. Can be connected to any dispenser.

dpvlink 13513

Article Type

KDS810S6 **Metal adapter set KDS810S6; size: 10CC**  
Hose diameter: Ø 2.4 mm

KDS830S6 **Metal adapter set KDS830S6; size: 30CC**  
Hose diameter: Ø 2.4 mm



### Kahnetics cartridge holder KDS816

Kahnetics®



- Compatible with all sizes of syringes and adapters
- Holds syringe upright - prevention of accidents
- Keeps workbench neat and clean

dpvlink 13520

Article Type

KDS816 **Cartridge holder KDS816**



## Spare parts for Kahnetics

Kahnetics®

dpvlink 13549

Article	Type
KDS825	<b>Device connection socket</b> Spare part
KDS900	<b>Plug for cartridge adapter</b> Spare part, PU = 5 pieces
KDS901	<b>Plug-in coupling for KDS301</b> Spare part
KDS260S	<b>Suction insert; small Ø 3.2 mm</b> for KDS301 replacement
KDS260M	<b>Suction insert; medium Ø 6.3 mm</b> for KDS301 replacement



## Dispensing needles Kahnetics

### Kahnetics dispensing needles

Kahnetics®



Stainless steel needles with plastic body  
PU = 50 pieces

dpvlink 13522

Article	Size	Color	Internal Ø	L [mm]
KDS1412P	14	dark green	1.70 mm	12.7
KDS141P	14	dark green	1.70 mm	25.4
KDS1512P	15	orange	1.52 mm	12.7
KDS1612P	16	purple	1.35 mm	12.7
KDS161P	16	purple	1.35 mm	25.4
KDS16112P	16	purple	1.35 mm	38.1
KDS1712P	17	white	1.14 mm	12.7
KDS1812P	18	rose	0.97 mm	12.7
KDS181P	18	rose	0.97 mm	25.4
KDS1912P	19	brown	0.81 mm	12.7
KDS191P	19	brown	0.81 mm	25.4
KDS2012P	20	yellow	0.66 mm	12.7
KDS201P	20	yellow	0.66 mm	25.4
KDS2112P	21	green	0.58 mm	12.7
KDS2212P	22	black	0.48 mm	12.7
KDS221P	22	black	0.48 mm	25.4
KDS2312P	23	light blue	0.43 mm	12.7
KDS2512P	25	blue	0.30 mm	12.7
KDS3012P	30	lavender	0.15 mm	12.7
KDS660	different	-	-	multiple



### Kahnetics dispensing needles

Kahnetics®



Plastic needles with tapered tip  
PU = 50 pieces

dpvlink 13543

Article	Size	Color	Internal Ø
KDS14TNP	15	salmon	1.60 mm
KDS16TNP	16	grey	1.22 mm
KDS18TNP	18	green	0.86 mm
KDS20TNP	20	rose	0.61 mm
KDS22TNP	22	blue	0.43 mm



Workstation lighting

Workstation lighting

**LED universal light TANEOSTZL 24**

**NEU** Waldmann **W**



LED universal light with CDP and stepless dimming.

Swivel arm/frame length 384/400 mm  
1300 Lumen

dpvlink 17461		QR
Article	Type	
704.STZL24R	<b>LED universal light TANEOSTZL 24R, color aluminum anodized/black</b> incl. 24 Watt LED module 4,000 K, 1300 Lumen	QR
704.TND-1400/950	<b>LED universal light TND 1400/950/D, color aluminum anodized/black</b> incl. 23 Watt LED module 5,000 K, 1500 lumen	
704.TND-1400/940-ESD	<b>LED universal light TANEOSTZL 24R, color black</b> incl. 23 Watt LED module 3,900 K, 1350 lumen	
704.TND-1400/950-ESD	<b>LED universal light TANEOSTZL 24R, color black</b> incl. 23 Watt LED module 4,900 K, 1350 lumen	

**Workstation lamp DAYLIGHT Lumi LED**



Lumi™ is a professional workstation lamp allowing you to see fine details and true colors. Ideal for the use at any workstation, desk, editing table, drawing table etc. The large shade can be adjusted vertically, horizontally and laterally to any position.

- with spring joint arm 1080 mm
- clamping
- 3.800 Lux (15 Watt)
- 2-stage dimmer
- 1320 Lumen

dpvlink 21117		QR
Article	Type	
702.E35500	<b>Workstation lamp DAYLIGHT Lumi LED</b> incl. table clamp, color: white	QR
<b>Accessories</b>		
702.D53060	<b>Floor stand with star base</b> 5 castors, for Ultra Slim and Deluxe	



## Workstation lamp DAYLIGHT™ Luminos LED



High-performance, suitable for the illumination of large areas at the workstation

- durable precision mechanic of the joints
- effortless handling of the lamp head and the arm with one hand
- 65 cm wide lamp head
- 120 Daylight LEDs
- 3-step dimmer
- pivotable up to 112 cm
- 1566 Lumen

**dpvlink 19249**

Article	Type
702.E35600	<b>Workstation lamp DAYLIGHT™ Luminos LED</b> incl. table clamp Color: grey/white



### Accessories

702.D53060 **Floor stand with star base**  
5 castors, for Ultra Slim and Deluxe



## Workstation lamp FL-LED T105



FL-LED T105 is a symmetric workstation lamp used in workshops and on other large working surfaces where a lot of light is required. It can be adjusted individually and easily.

**dpvlink 14935**

Article	Type
700.402	<b>Workstation lamp FL-LED T105</b> Individually and easily adjustable, symmetric, bright, arm length 105 cm, 12W, 230V.



### Accessories

700.126	<b>Table mounting socket E, chrome (up to 45 mm)</b>
700.127	<b>Mounting bracket CC light grey</b>
700.127-W	<b>Mounting bracket CC white</b>
700.129	<b>Stand with castors</b>



## Lighting NaturLite LED



Natural workstation lighting for industrial environments

Good, adjustable workstation lighting is essential for high work quality and the well-being of employees. The right amount of light at the right time also increases productivity and reduces errors in industrial environments.

Treston Naturlite LED is a natural workstation lighting solution providing individual controllability to industrial environments.

Achieve your full potential with:

- adjustable color shade
- adjustable brightness
- effective performance

### Workstation light NaturLite LED Wing 500

TRESTON



The Treston NaturLite LED Wing 500 is a perfect sidelight solution providing a working area with or without shadows depending on the requirements of the currently performed task.

- color temperature 4000 K
- touch dimmer switch for on/off and dimming in the luminaire housing
- suitable for all workbenches of series TP, WB and Concept

dpvlink 21602

Article Type



TNL500W **Workstation light NaturLite LED Wing 500**  
430 x 120 x 50 mm (WxDxH) (+ fixation 95/120 mm)

### Workstation light NaturLite LED 900

TRESTON



The Treston NaturLite LED 900 fulfills all requirements of a high-quality industrial workstation lighting.

- color temperature 4000 K
- touch dimmer switch for on/off and dimming in the luminaire housing
- suitable for all workbenches of series TP, WB and Concept

dpvlink 21598

Article Type



TNL900 **Workstation light NaturLite LED 900**  
900 x 120 x 50 mm (WxDxH)

### Workstation light NaturLite LED 1200

TRESTON



The Treston NaturLite LED 1200 fulfills all requirements of a high-quality industrial workstation lighting.

- color temperature 4000 K
- one-touch dimmer switch for on/off and dimming in the luminaire housing
- suitable for all workbenches of series TP, WB and Concept

dpvlink 21596

Article Type



TNL1200 **Workstation light NaturLite LED 1200**  
1180 x 120 x 50 mm (WxDxH)

### Workstation light NaturLite LED Plus 1200

TRESTON



The Treston NaturLite LED Plus 1200 is as natural as artificial light can be. The turnable white allows the color temperature to be adjusted between 2700 K and 6500 K. The light is also dimmable, providing lighting that suits each individual person and the task in hand.

- turnable white: 2700 K - 6500 K
- control via mobile app or separate remote control
- suitable for all workbenches of series TP, WB and Concept

dpvlink 21600

Article Type



TNL1200P **Workstation light NaturLite LED Plus 1200**  
1180 x 120 x 50 mm (WxDxH)

#### Accessories

- TNLPR Remote control for NaturLite LED Plus 1200P
- TNLPR Remote control for NaturLite LED Plus 1200P

## Lighting IntoLite

### Workstation lamp IntoLite LED

TRESTON



Treston LED workstation lamp TIL850 assures optimal light of good quality and has the basic features for an optimal illumination of the workstation.

A good and adjustable workstation lighting is of vital importance for the work quality and the well-being of the employees. The right amount of light at the right time also increases the productivity and reduces the risk of errors in industrial environment.s

- color temperature 4000 K
- LED service life 50,000 hours
- illumination of 1800 Lux (lumen per square meter)
- suitable for all work benches of the series TP, WB and Concept

dpvlink 23995

Article Type

TIL850 **Workstation lamp IntoLite LED**  
850 x 67 x 80 mm (WxDxH)



## System workstation lamps

At system workstations a special lighting is required. The modular design is typical. Depending on the type and the structure of the workstation, the light models can be used either individually or in combination. There are various possibilities to mount and fix them.

Compact fluorescent lamps spread a bright, even light onto the working surface and reduce the power consumption. Disturbing dark zones are avoided. The functional industrial design of the lamps harmonizes perfectly with the styling of modern system workstations.

### TAMETO SAH

Waldmann **W**

System workstation light with conical prismatic screen CDP



dpvlink 17440

Article Type

704.SAHQ44 **LED system light TAMETO SAHQ 44**  
**color aluminum anodized/black**  
656 x 187 mm, incl. 18 Watt LED-module, 1450 Lumen

704.SAHQ66 **LED system light TAMETO SAHQ 66**  
**color aluminum anodized/black**  
956 x 187 mm, incl. 26 Watt LED-module, 2150 Lumen

704.SAHQ88 **LED system light TAMETO SAHQ 88**  
**color aluminum anodized/black**  
1256 x 187 mm, incl. 33 Watt LED-module, 2900 Lumen



### TAMETO SAHZ

Waldmann **W**

System workstation light with drawbar and conical prismatic screen CDP



dpvlink 17447

Article Type

704.SAHZQ66 **LED system light TAMETO SAHZQ 66**  
**color aluminum anodized/black**  
956 x 187 mm, incl. 26 Watt LED-module, 2150 Lumen



## Magnifier lamps

Magnifier lamp LED MAGNIFYING **NEU**  



The LE-WUVE5D lamp has unique illumination options allowing the user to use UV LEDs or standard white. The UV LED lamps work with 400 nm and can be used to inspect protective paint, holograms etc. (for every type of material fluorescing during inspection). This model has more than 48 adjustable white LEDs as well as 30 UV LEDs. It is equipped with an ESD-safe coating providing dissipation of static energy to protect sensitive components.



- 19 x 15.7 cm quality glass lens
- magnifying lens with 5 diopters (2.25X)
- 2-in-1 light source: powerful **daylight LEDs** (6500 K) and **UV LEDs** (400 nm) - **commutable**
- change between UV LED and White LED with switch
- adjustable brightness levels
- color black

**dpvlink 26465**

Article	Type
I-LE-UVWE5D	LED Magnifier lamp MAGNIFYING



## Magnifier lamp LFM

Visi+ n **LUXO**



The versatility and robust construction of the LFM is recognized worldwide. It combines high requirements with a functional design and leads to a long service life and a high customer satisfaction.

**dpvlink 3030**



Article	Type
700.190	<b>Magnifier lamp LFM LED G2 3 diopters</b> with standard lens 3 diopters = x1.75; Ø 127 mm, spring joint arm 1143 mm/clamping, incl. 9 W LED modules, dimmable, color: light grey
700.191	<b>Magnifier lamp LFM LED G2 5 diopters</b> with standard lens 5 diopters = x2.25; Ø 127 mm, spring joint arm 1143 mm / fixing clamp, incl. 9 W LED module, dimmable, color: light grey
700.190.W	<b>Magnifier lamp LFM LED G2 3 diopters</b> with standard lens 3 diopters = x 1.75; Ø 127 mm, spring joint arm 1143 mm / fixing clamp, incl. 9 W LED module, dimmable, color: white
700.191.W	<b>Magnifier lamp LFM LED G2 5 diopters</b> with standard lens 5 diopters = x 2.25; Ø 127 mm, spring joint arm 1143 mm / fixing clamp, incl. 9 W LED module, dimmable, color: white

### Accessories

	700.246	<b>Additional lens 6 diopters</b> Ø 35 mm
	700.244	<b>Additional lens 4 diopters</b> Ø 35 mm
	700.128.AH.GR	<b>AH fixing clamp</b> color: light grey, clamping width 60 mm
	700.205	<b>Ring fluorescent tube 22 Watt</b>
	700.126	<b>Table mounting socket E, chrome (up to 45 mm)</b>
	700.127	<b>Mounting bracket CC light grey</b>
	700.129	<b>Stand with castors</b>

## Magnifier lamp KFM-LED



KFM LED impresses with a robust full-metal construction in elegant design, a flexible arm and an excellent lighting performance. The quality and the exact positioning of the LEDs ensures a nearly shadow-free magnification and excellent presentation of colors.

**dpvlink 17403**



Article	Type
700.240.ESD	<b>Magnifier lamp KFM-LED ESD</b> with glass lens 3 diopters = x1.75; color ESD black
700.241.ESD	<b>Magnifier lamp KFM-LED ESD</b> with glass lens 5 diopters = x2.25; color ESD black
700.240	<b>Magnifier lamp KFM-LED</b> with glass lens 3 diopters = x1.75; color light grey
700.241	<b>Magnifier lamp KFM-LED</b> with glass lens 5 diopters = x2.25; color light grey

### Accessories

	700.128.AH.GR <b>AH fixing clamp</b> color: light grey, clamping width 60 mm
	700.244 <b>Additional lens 4 diopters</b> Ø 35 mm
	700.246 <b>Additional lens 6 diopters</b> Ø 35 mm
	700.247 <b>Additional lens 10 diopters</b> Ø 35 mm
	700.126 <b>Table mounting socket E, chrome (up to 45 mm)</b>
	700.127-S <b>Mounting bracket CC black</b>
	700.127 <b>Mounting bracket CC light grey</b>
	700.129 <b>Stand with castors</b>

## Magnifier lamp W.A.V.E. LED



The Wave LED is an illuminated magnifier for industrial applications, with 2 x 6 Watt LED light sources and a flexible self-balancing arm. It offers shadow-free magnification with light coming from both sides, as well as three-dimensional magnification with light coming from the left or right.

- spring-loaded arm / clamp fastening AH
- total extension 1050 mm
- including 2 x 6 Watt LED module

**dpvlink 17307**



Article	Type
700.141.ESD	<b>Magnifier lamp W.A.V.E. LED / ESD</b> glass lens, 3.5 diopters = x 1.88, color black ESD
700.141.ESD.UV	<b>Magnifier lamp W.A.V.E. LED / ESD UV</b> with UV-A LED light, glass lens, 3.5 diopters = x 1.88, color black ESD
700.141	<b>Magnifier lamp W.A.V.E. LED</b> standard lens, 3.5 diopters = x 1.88, color light grey,
700.141.UV	<b>Magnifier lamp W.A.V.E. LED UV</b> with UV-A LED light, standard lens, 3.5 diopters = x 1.88, color light grey
700.142.ESD	<b>Magnifier lamp W.A.V.E. LED / ESD</b> glass lens, 5 diopters = x 2.25, color black ESD
700.142.ESD.UV	<b>Magnifier lamp W.A.V.E. LED / ESD UV</b> with UV-A LED light, glass lens, 5 diopters = x 2.25, color black ESD
700.142	<b>Magnifier lamp W.A.V.E. LED</b> standard lens, 5 diopters = x 2.25, color light grey,
700.142.UV	<b>Magnifier lamp W.A.V.E. LED UV</b> with UV-A LED light, standard lens, 5 diopters = x 2.25, color light grey

### Accessories

	700.128.AH.GR <b>AH fixing clamp</b> color: light grey, clamping width 60 mm
	700.244 <b>Additional lens 4 diopters</b> Ø 35 mm
	700.246 <b>Additional lens 6 diopters</b> Ø 35 mm
	700.247 <b>Additional lens 10 diopters</b> Ø 35 mm
	700.126 <b>Table mounting socket E, chrome (up to 45 mm)</b>
	700.127 <b>Mounting bracket CC light grey</b>
	700.127-S <b>Mounting bracket CC black</b>

## Magnifier lamp CIRCUS



The lamp CIRCUS is ideal for beauty salons, hospitals and laboratories as well as for people with visual impairments. The diameter of the lens is 165 mm, the light has a patented spring arm and a highly flexible head joint, for a horizontal, vertical and lateral positioning.

**dpvlink 6341**

Article	Type
700.352	<b>Magnifier lamp CIRCUS LED 3.5 diopters</b> with standard lens, 3.5 diopters = x 1.88, Ø 165 mm, parallel joint arm 1000 mm / fixing clamp, incl. 10 Watt LED, dimmable color white / cover black
700.353	<b>Magnifier lamp CIRCUS LED 5 diopters</b> with standard lens, 5 diopters = x 2.25, Ø 165 mm, parallel joint arm 1000 mm / fixing clamp, incl. 10 Watt LED, dimmable color white / cover black

### Accessories

700.128.AH.GR **AH fixing clamp**  
color: light grey, clamping width 60 mm

700.355 **Ring fluorescent tube 22 Watt / T-5C**

700.126 **Table mounting socket E, chrome (up to 45 mm)**

700.127 **Mounting bracket CC light grey**

700.129 **Stand with castors**



## Magnifier lamp DAYLIGHT iQ ESD



The iQ ESD™ is a completely ESD-safe magnifier lamp certified for the use in electrostatically protected areas according to IEC 61340-5-1 and ANSI/ESD 20:20. The 2-in-1 lamp has powerful daylight LEDs (6.000 K) for a clear, shadow-free illumination as well as UV-A LEDs (365 nm) for the inspection of protective coatings and a careful control of solder joints, welding joints and other areas with mechanical load. With two brightness levels for different tasks, a stable positioning and a 17.5 cm lens the iQ ESD™ is the ultimate ESD-safe 2-in-1 magnifier lamp.



- 17.5 cm high-quality glass lens (low iron)
- magnifying lens with 3 diopters (1.75x) and additional swinging arm lens with 12 diopters (4x)
- particularly strong and durable carbon fiber head and joint keep any position
- 2-in-1 light source: powerful **daylight LEDs** (6,000K) and **UV-A LEDs** (365 nm) - **switchable**

- brightness levels for adapting the light to your respective task
- large reach of 118 cm
- additional swinging arm lens with 12 diopters (x4)
- black

**dpvlink 25440**

Article	Type
702.E25101-ESD	<b>LED magnifier lamp iQ ESD</b>

### Accessories

702.D53060 **Floor stand with star base**  
5 castors, for Ultra Slim and Deluxe



## Magnifier lamp DAYLIGHT MAG Lamp S



MAG-Lamp S is a magnifier lamp with a modern and slim design. It has 2 brightness levels and a glass lens having a diameter of 12.7 cm. The adjustable spring arm can be positioned easily and precisely.

- magnification: x1.75 (3 diopters)
- high-performance LEDs
- dimmable (2 stages)

[dpvlink 21311](#)



Article	Type
702.EN1200	<b>Magnifier lamp DAYLIGHT MAG Lamp S</b> incl. table clamp, color: white

## LED Magnifier lamp "Ultra-Slim XR - LED"



LED magnifying lamp "Ultra-Slim XR-LED" standard glass lens 175 mm / 3 diopters (x1.75); with spring joint arm 950 mm / clamp fixing: color: grey/white; incl. 12 Watt LED module (dimmable)

[dpvlink 17911](#)



Article	Type
702.E25100	<b>LED Magnifier lamp "Ultra-Slim XR - LED"</b>

### Accessories

702.D53060 **Floor stand with star base**  
5 castors, for Ultra Slim and Deluxe

702.D62001 **Additional lens Ultra Slim XR**  
5 diopters / x2.25 magnification



## LED magnifier lamp Omega



Omega 5 Art. 702.E25110

State-of-the-art and ergonomic LED magnifier lamp



Omega 7 Art. 702.E25130

- LED
- luminous color 6000°K
- color: white/light grey
- Quick-Lens-Swap lens changing system - no tools required
- clamping
- robust arm with reinforced joints
- freely and easily movable head and arm with stable positioning

[dpvlink 21451](#)



Article	Type
702.E25110	<b>LED magnifier lamp Omega 5</b> 2 standard glass lenses 127 mm / 3 diopters (x1.75) and 5 diopters (x2.25) , LED module 8 Watt, four brightness levels
702.E25130	<b>LED magnifier lamp Omega 7</b> Acrylic lens 175 mm / 3 diopters (x1.75) , LED module 12 Watt, two brightness levels

### Accessories

702.D53060 **Floor stand with star base**  
5 castors, for Ultra Slim and Deluxe



## Magnifier lamp TEVISIO TVD

Waldmann **W** 



The magnifier lamp TEVISIO fulfills the highest requirements in terms of mobility and quality of vision. In every application field it supports the most demanding visual tasks with ergonomic perfection and due to its advanced LED technology, innovative arm technology, and a field of view optimally adapted to the eye distance.



- LED technology
- Power consumption 14 W
- Color temperature neutral white 4.000 K
- Light control by reflector
- Glass lens Ø 160 mm mit 3.5 diopters (optionally with fixed additional lens 8 diopters - except ESD versions)
- Housing made of natural anodized aluminium and black high-performance plastic, satined acrylic screen

- 3D head joint for individual adjustments
- Spring-balanced arm
- Membrane key with lamp button for on/off, dimming and optional segment switching
- Protection class IP 20, protection class 2
- Power supply unit, 100 - 240 V, 50/60 Hz, 3.8 m connection cable
- steplessly dimmable



Optional segment switching: three options to switch the light segments in order to generate structured effects.

**dpvlink 16139**



Article	Type
703.162.ESD	<b>ESD magnifier lamp TEVISIO RLLQ 48/2AR-ESD</b> 3.5 diopters segment switching Articulated arm 484 / 500 mm ESD version
703.164.ESD	<b>ESD magnifier lamp TEVISIO RLLQ 48 2R</b> 3.5 diopters segment switching Articulated arm 384 / 400 mm ESD version
703.160	<b>LED Magnifier lamp TEVISIO TVD 750/940/DM / 3.5 Dio</b> 3.5 diopters Articulated arm with 3D head joint 484 / 500 mm
703.161	<b>LED Magnifier lamp TEVISIO TVD 750/940/DM / 3.5 Dio +ZL8</b> 3.5 diopters + fixed additional lens 8 diopters Articulated arm with 3D head joint 484 / 500 mm
703.164	<b>LED Magnifier lamp TEVISIO TVD 750/940/DM / 3.5 Dio</b> 3.5 diopters Articulated arm 384 / 400 mm with 3D head joint
703.165	<b>LED Magnifier lamp TEVISIO TVD 750/940/DM / 3.5 Dio +ZL8</b> 3.5 diopters + fixed additional lens 8 diopters Articulated arm with 3D head joint 384 / 400 mm

**!!! Table clamp not included in the scope of delivery !!!**

### Accessories



703.900

**Table clamp TK 1 / 65, 0-65 mm**  
suitable for all Waldmann magnifier lamps



703.900.ESD

**Table clamp TK 1/65-ESD, 0-65 mm**  
suitable for all Waldmann magnifier lamps



703.905

**Wall mounting bracket**

## Ring LED magnifier lamp RLLQ 63

Waldmann **W**



- High illuminance intensity and high energy-saving potential due to an extremely efficient LED lighting concept
- Extremely long service life of the lamp by LED technology and thus minimal maintenance costs
- Distortion-free presentation of the object to be tested by a high-quality plastic lens (6 diopters)
- Simple switching the lamp on and off with an integrated soft-touch sensor on the head
- Magnifier lamp can withstand any strain
- Lamp impresses due to its timeless industrial design and minimal height (12 mm)

**dpvlink 13693**



Article	Type
703.150	<b>Ring LED magnifier lamp RLLQ 63</b> 6 W; 100-240 V, 50-60 Hz; IP 20 with base

**!!! Table clamp not included in the scope of delivery !!!**

### Accessories



703.900

**Table clamp TK 1 / 65, 0-65 mm**  
suitable for all Waldmann magnifier lamps

703.915

**Table base, black**  
for ring LED magnifier lamp RLLQ 6

## Magnifier lamp SNLQ 54/2 A

Waldmann **W** 



With the magnifier lamp SNLQ 54/2 A it is possible to modify basically the lighting character by switching the LED. This allows to execute all inspections with only one lamp.

**dpvlink 19988**

Article	Type
703.122	<b>Magnifier lamp SNLQ 54/2 A</b> with standard lens 3 diopters = x 1.75 , 162 x 105 mm, spring-loaded arm / screw-down flange, Ra > 95 incl. 12 Watt LED, light grey
703.122.ESD	<b>Magnifier lamp SNLQ 54/2 A ESD</b> ESD version, black



### Accessories

703.130 **Attachable lens 4 diopters 100 x 50 mm**  
for FLG 118, SNL 319, SNLQ



703.900 **Table clamp TK 1 / 65, 0-65 mm**  
suitable for all Waldmann magnifier lamps



703.900.ESD **Table clamp TK 1/65-ESD, 0-65 mm**  
suitable for all Waldmann magnifier lamps



703.901 **Table clamp TK 1 / 135, 65-135 mm**



## VarioLED magnifier lamp

**ESCHENBACH**



- magnifier lamp for shadow- and flicker-free working
- ring light with 84 long-lasting high-performance LEDs
- illuminance adjustable in three steps with push-button
- swivel range of the magnifier head 180°
- cable length 3m
- plastic lens 132 mm with foldable cover
- delivery including table clamp for plates with a thickness of 18-74 mm

**dpvlink 22908**

Article	Type
ES-27773	<b>VarioLED magnifier lamp 1.9x magnification</b> with plastic lens 3.55 diopters = 1.9x
ES-27776	<b>VarioLED magnifier lamp 2.5x magnification</b> with plastic lens 6 diopters = 2.5x



## Eschenbach Stereo microscopes

### LED Stereo zoom microscope



- Reflected-light stereo microscope with robust metal tripod
- binocular 45° angled eyepiece, 360° rotation
- wide field eyepieces with 10x magnification
- ocular tube on the left with diopter adjustment from +/- 5 dpt.
- lenses: turning revolver 1x and 2x, parallel
- episcopic LED ring light, dimmable
- plastic support plate



dpvlink 21099

Article	Magnification	Working distance
ES-33213	10x/20x	82-79



#### Accessories

MONTA00195xP Accessories for ES-33213 and ES33263

### LED Stereo zoom microscope with metallic articulated arm



- Reflected-light stereo microscope with robust metallic articulated arm
- binocular 45° angled eyepiece
- 360° rotation
- wide field eyepieces with 10x magnification
- ocular tube on the left with diopter adjustment from +/- 5 dpt.
- lenses: turning revolver 1x and 2x, parallel
- episcopic LED ring light
- dimmable



dpvlink 21101

Article	Magnification	Working distance
ES-33263	10x/20x	82-79



#### Accessories

MONTA00195xP Accessories for ES-33213 and ES33263

## KERN Microscopes

### Stereo zoom microscope binocular Kern OZL 465

- stereo zoom microscope
- incident LED ring light and transmitted light
- steplessly dimmable
- binocular 45° angled view
- diopter balance on both sides
- high widefield eyepiece with 10x magnification



dpvlink 24073

Article	Type	Magnification	Working distance
401.OZL465	Stereo zoom microscope binocular Kern OZL 465	0.7x/4.5x	105 mm



dpvlink 24073

Article	Ausführung
401.OZB-A4645	<b>Solder protection lens Kern OZB-A4645</b> suitable for 401.OZL465, 401.OZL466, 401.OZL961 and 401.OZL963



### Stereo zoom microscope trinocular Kern OZL 466

- stereo zoom microscope
- incident LED ring light and transmitted light
- steplessly dimmable
- binocular 45° angled view
- C-Mount adapter for camera required
- diopter balance on both sides
- high widefield eyepiece with 10x magnification



dpvlink 24082

Article	Type	Magnification	Working distance
401.OZL466	Stereo zoom microscope OZL 466 trinocular	0.7x/4.5x	105 mm



dpvlink 24082

Article	Ausführung
401.OZB-A4645	<b>Solder protection lens Kern OZB-A4645</b> suitable for 401.OZL465, 401.OZL466, 401.OZL961 and 401.OZL963



Article	Ausführung
401.OZB-A4811	<b>C-Mount camera adapter Kern OZB-A4811</b> suitable for 401.OZL466 and 401.OZL963



## Stereo zoom microscope binocular Kern OZL 961 with telescopic arm

- stereo zoom microscope with universal telescopic arm stand
- with plate
- 4.5 Watt incident LED ring light
- steplessly dimmable
- binocular 45° angled view
- diopter balance on both sides
- high widefield eyepiece with 10x magnification



**dpvlink 24085**

Article	Type	Magnification	Working distance
401.OZL961	Stereo zoom microscope OZL 961 binocular with telescopic arm	0.7x/4.5x	105 mm



**dpvlink 24085**

Article	Ausführung
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401.OZB-A4641 **Ancillary lens 0.5x Kern OZB-A4641**  
suitable for 401.OZL461 and 401.OZL963



401.OZB-A4645 **Solder protection lens Kern OZB-A4645**  
suitable for 401.OZL465, 401.OZL466, 401.OZL961 and 401.OZL963



401.OZB-A4643 **Ancillary lens 2.0x Kern OZB-A4643**  
suitable for 401.OZL461 and 401.OZL963

## Stereo zoom microscope trinocular Kern OZL 963 with telescopic arm

- stereo zoom microscope with universal telescopic arm stand
- with plate
- 4.5 Watt incident LED ring light
- steplessly dimmable
- binocular 45° angled view
- C-Mount adapter for camera required
- diopter balance on both sides
- high widefield eyepiece with 10x magnification



**dpvlink 24087**

Article	Type	Magnification	Working distance
401.OZL963	Stereo zoom microscope OZL 963 trinocular with telescopic arm	0.7x/4.5x	105 mm



**dpvlink 24087**

Article	Ausführung
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401.OZB-A4641 **Ancillary lens 0.5x Kern OZB-A4641**  
suitable for 401.OZL461 and 401.OZL963



401.OZB-A4645 **Solder protection lens Kern OZB-A4645**  
suitable for 401.OZL465, 401.OZL466, 401.OZL961 and 401.OZL963



401.OZB-A4643 **Ancillary lens 2.0x Kern OZB-A4643**  
suitable for 401.OZL461 and 401.OZL963



401.OZB-A4811 **C-Mount camera adapter Kern OZB-A4811**  
suitable for 401.OZL466 and 401.OZL963

## Accessories for KERN stereo zoom microscope

**dpvlink 24091**

Article	Type
401.OZB-A4811	<b>C-Mount camera adapter Kern OZB-A4811</b> suitable for 401.OZL466 and 401.OZL963
401.OZB-A4641	<b>Ancillary lens 0.5x Kern OZB-A4641</b> suitable for 401.OZL461 and 401.OZL963
401.OZB-A4643	<b>Ancillary lens 2.0x Kern OZB-A4643</b> suitable for 401.OZL461 and 401.OZL963
401.OZB-A4645	<b>Solder protection lens Kern OZB-A4645</b> suitable for 401.OZL465, 401.OZL466, 401.OZL961 and 401.OZL963



## Stereo zoom eyepiece microscope

The binocular SX45 is a high-quality stereo zoom microscope with optical Greenough principle for diverse applications in laboratory, research & routine, quality assurance in the industry, education and training, etc.



High-quality stereo zoom microscope with optical Greenough principle for a wide range of applications impresses by a solid, durable design and its easy operation. The image remains in the exact level of sharpness throughout entire zoom range.

- High-quality components
- Zoom factor 6.3:1
- Magnification x4 - x200 (x20 eyepieces)
- 22 mm eyepieces (field number / field of view) with diopter setting
- Extra long working distance of 220 mm
- LED lighting (6,000 hours LLD)
- Adjustable incident and transmitted light
- Optional sliding table
- Optional LED ring light
- Also available with pillar stand or articulated arm
- Trinocular microscope body for camera connection
- Excellent price-performance ratio
- 110V - 240V

### Optical data

Eyepieces	Lenses	Zoom range	Working distance
x10 / 22 F.N.	x0.5	x4 - x25	220.6 mm
x10 / 22 F.N.	x1.0	x8 - x50	115.0 mm
x10 / 22 F.N.	x2.0	x16 - x100	57.5 mm
x20 / 13 F.N.	x0.5	x8 - x50	220.6 mm
x20 / 13 F.N.	x1.0	x16 - x100	115.0 mm
x20 / 13 F.N.	x2.0	x32 - x200	57.5 mm



### Table stand, compact and versatile

- Highly flexible mechanism for optimized ergonomics and increased efficiency and productivity.
- Adjustable LED incident light and LED transmitted light.

### Articulated arm, for an increased reach

- Designed for applications requiring more freedom of movement and at the same time constant stability.
- Higher flexibility during the inspection of large parts, also suitable for several workstations. Easy mounting with table clamp.

### Pillar stand, ideal for large space requirement



- Adjustable and swiveling unit for a direct mounting on the working surface of the user or with base plate.
- Flexible and easy to use.

### Accessories

#### Image documentation & archiving

Trinocular microscope body for camera and video connection. Modular multimedia solutions for recording, measuring, and storing images.



#### LED ring light

For alternative or additional lighting. (Standard lighting for articulated arm and pillar stand variant)



#### Sliding table

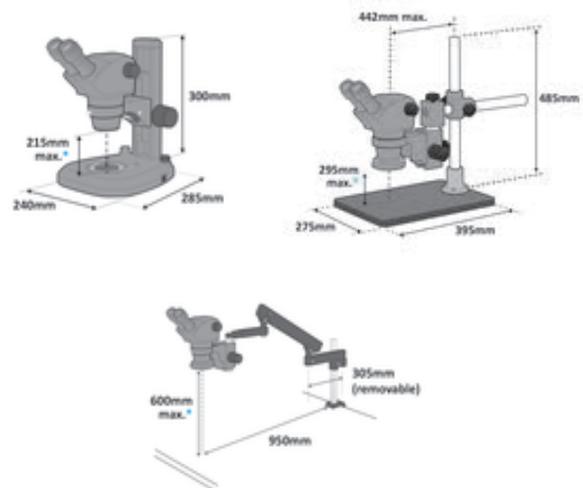
Only in conjunction with table stand, for small components and parts, ideal for inspection.



#### Polarization set

Polarizing filter optional for the table stand.

### Dimensions



### SX45 with table stand

Vision  
ENGINEERING

dpvlink 14212



Article	Type
SX45	<b>SX45 Elite stereo zoom microscope eyepiece</b> <i>Binocular complete device, consisting of:</i> S-201 Binocular stereo head with zoom 6.3:1 click-stop S-203 Table stand with dimmable LED incident & transmitted light S-004 x10 eyepieces (magnification of x8-x50)
SX45-TR	<b>SX45 Elite stereo zoom microscope eyepiece</b> <i>Trinocular complete device, consisting of:</i> S-202 Trinocular head (photo output) with zoom 6.3:1 click-stop S-203 Table stand with dimmable LED incident & transmitted light S-004 x10 eyepieces (magnification of x8-x50)
SX45-D08.0	<b>SX45 Elite stereo zoom microscope eyepiece</b> <i>Complete device with image editing, consisting of:</i> S-202 Trinocular head (photo output) with zoom 6.3:1 click-stop S-203 Table stand with dimmable LED incident & transmitted light S-004 x10 eyepieces (magnification of x8-x50) S-012 C-mount adapter for USB 1/2" camera S-PIF08.0 Imaging Kit 8.0, software and 5.2Mpix color camera, dongle

## SX45 with pillar stand



dpvlink 14213



Article	Type
SX45BS	<b>SX45 Elite stereo zoom microscope eyepiece</b> <i>Binocular complete device, consisting of:</i> S-201 Binocular stereo head with zoom 6.3:1 click-stop S-004 x10 eyepieces (magnification of x8-x50) S-206 Pillar stand with base plate S-005 Ring light with dimmable power supply unit
SX45BS-TR	<b>SX45 Elite stereo zoom microscope eyepiece</b> <i>Trinocular complete device, consisting of:</i> S-202 Trinocular head (photo output) with zoom 6.3:1 click-stop S-004 x10 eyepieces (magnification of x8-x50) S-206 Pillar stand with base plate S-005 Ring light with dimmable power supply unit
SX45BS-D08.0	<b>SX45 Elite stereo zoom trinocular microscope</b> <i>Complete device with image editing, consisting of:</i> S-202 trinocular head (photo output) with zoom 6,3:1 click-stop S-004 x10 eyepieces (magnification of x8-x50) S-206 Pillar stand with dimmable LED incident and transmitted light S-005 Ring light with dimmable power supply unit S-012 C-Mount Adapter for USB 1/2" camera PIFO 8.0 Imaging-Kit, software and USB 1/2" color camera (5.2Mpix)

## SX45 Accessories



dpvlink 11075



Article	Type
S-201	<b>SX45 Elite Stereo zoom microscope body</b>
S-202	<b>SX45 Elite Trinocular stereo zoom microscope body</b>
S-203	<b>Stand with LED display incident/transmitted light</b>
S-004	<b>x10 eyepieces (pair)</b>
S-005VECE	<b>SX LED ring light with power supply unit</b> dimmable, 4 segment control
S-206	<b>Pillar stand</b>
S-207	<b>Articulated arm with adapter</b>
S-008	<b>Ancillary lens x0.5</b>
S-009	<b>Ancillary lens x2.0</b>
S-010	<b>Eyepiece pair x20/13</b>
S-017	<b>Rubber grommets for eyepieces (pair)</b>
S-015	<b>Replacement for incident light on S-003</b>
S-016	<b>Replacement LEDs for incident light on S-003</b>
S-018	<b>Eyepiece x10 with graticule scale 10 mm/0.1 mm</b>
S-019	<b>Camera adapter C-mount x0.5</b>
S-024	<b>Rubber eyecups for eyepieces (pair)</b>

## Inspection systems

### MANTIS Inspection systems

The MANTIS product family is a comprehensive range of patented, optical stereo systems without eyepieces for a simple as well as sophisticated control and inspection tasks requiring exceptional ergonomics and visual quality.

MANTIS is successfully used all over the world and has established itself as an industry standard for ergonomic inspection in the lower to the medium-sized magnification range.

With the new generation Mantis offers exacting users a product family with a modern, optical design, the latest material developments and a balanced LED lighting.

The eyepieceless stereo inspection system MANTIS provides a nearly inexhaustible wealth of applications and is particularly suitable for applications in electronics, precision engineering, plastics industry, with medical components, and much more. Furthermore, it can be used directly in production lines, in technical and analytical laboratories, as well as in biomedical sectors.

Special advantages of the new MANTIS generation are:

- Very attractive price-performance ratio
- Compact, functional unit
- Large magnification range (up to x20)
- Shadow-free LED lighting, incident and transmitted light
- Large working distances, large field of view
- Stable system structure

### MANTIS Compact

- High benefit at an affordable price
- Magnification x2, x4, x6, x8 by quick-change lenses
- True-color LED lighting with long service life
- 3 tripod variants (universal stand, articulated arm or table stand)
- Large working distances
- Excellent hand-eye coordination for ergonomic working
- Maximum freedom of head movement

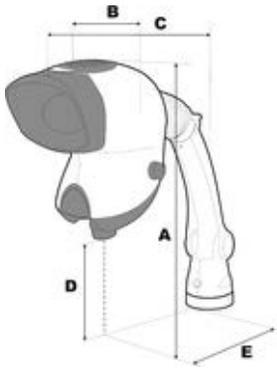


#### Technical data:

Magnification:	real linear 2x, 4x, 6x, 8x magnification
Lens mount:	for 1 lens
Lighting:	20 LEDs / 9,400 LUX
Power supply:	9V DC, external power supply unit
Weight:	5.4 kg net with universal stand 6.6 kg net with table stand 14.0 kg net with articulated arm

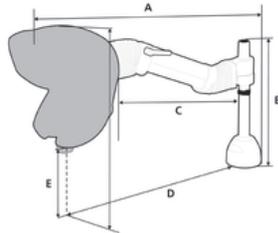
#### Details of the optics

Article	Magnification	Working distance [mm]	Field of view [mm]
MCO-002	x2	167	45.0
MCO-004	x4	96	27.5
MCO-006	x6	73	19.2
MCO-008	x8	59	13.75



Dimensions with universal stands:

- A = 395 mm - 605 mm
- B = 213 mm
- C = 565 mm - 775 mm
- D = 90 mm - 300 mm
- E = 335 mm - 545 mm



Dimensions with articulated arm:

- A = 880 mm
- W = 430 mm
- C = 510 mm
- D = 650 mm
- E = 290 mm

## MANTIS Compact "Flexible"



For general incident light applications with a magnification of x2, x4, x6 or x8, inspection and rework "freehand" on small and large parts from all technical fields, great flexibility by specially designed articulated arm, single-station system with clamping or 3-hole mounting on the workstation.

[dpvlink 10973](#)

Article	Type
MC-Flex	<b>MANTIS compact "Flexible"</b>



## MANTIS Compact "Universal"



For general incident light applications with magnification x2, x4, x6 or x8, inspection and rework "freehand" on small and large parts from all technical fields, single-station system with clamping or 3-hole mounting on the workstation.

[dpvlink 7262](#)

Article	Type
MC-Uni	<b>Mantis Compact "Universal"</b> Head MCH 001X (without lens), MCS-005 universal stand, LED incident light, dust cover for table mounting, including power supply unit 100-240V / 50-60 Hz.



## MANTIS Compact "TS"



For general incident and transmitted light applications for magnification x2, x4, x6 or x8, inspection of small parts (also transparent parts) from all technical fields, single-station system for placing on the workstation.

[dpvlink 7264](#)

Article	Type
MC-TS	<b>MANTIS Compact "TS"</b> Head MCH 001X (without lens), table stand MBS-002, incident and transmitted light, dust cover, including power supply unit 100-240V / 50-60 Hz.



## Lenses for MANTIS Compact



[dpvlink 7270](#)

Article	Type
MCO-002	<b>Lens 2-fold</b> Working distance 167 mm
MCO-004	<b>Lens 4-fold</b> Working distance 96 mm
MCO-006	<b>Lens 6-fold</b> Working distance 73 mm
MCO-008	<b>Lens 8-fold</b> Working distance 59 mm
MCO-010	<b>Protection glasses for lenses 2-/4-/6-/8-fold</b> (4 pcs), for MANTIS Compact



## Projection head for MANTIS compact



dpvlink 7294



Article

MCH-001 **Projection head (without lenses)**  
LED lighting, suitable for stand MCS 005 /-006 / MEF-001

MCH-002 **UV projection head (without lenses)**  
UV LED lighting, suitable for stand MCS 005 /-006

## Stands for MANTIS Compact



dpvlink 7288



Article

Type

MCS-005 **Universal stand (swivel arm)**  
with position lock

MBS-002 **Table stand**  
with fine focusable object slide, transmitted light

MCF-001 **Articulated arm**  
with position lock, reach 700 mm

## MANTIS Elite

- Excellent optical performance
- Magnification x2 - x20 optional (2-fold lens turret "Quick Change")
- Extra large "exit pupil" for maximum freedom of head movement
- Large field of view
- True-color LED lighting with long service life
- 3 tripod variants (universal stand, articulated arm or table stand)
- Large working distances

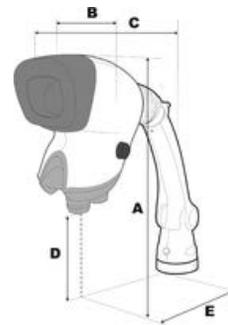


### Technical data:

Magnification:	real linear magnification 4x, 6x, 8x, 10x, 15x, 20x
Lens turret:	for 2 lenses
Lighting:	24 LEDs / 11,000 LUX
Power supply:	9V DC, external power supply unit
Weight:	6.3 kg net with universal stand 7.5 kg net with table stand 14.5 kg net with articulated arm

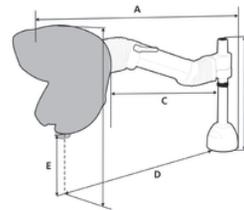
## Details of the optics

Article	Magnification	Working distance [mm]	Field of view [mm]
MEO-002	x2	160	57.0
MEO-004	x4	96	34.0
MEO-006	x6	68	23.0
MEO-006SL	x6	112	20.0
MEO-008	x8	59	17.0
MEO-010	x10	54	13.5
MEO-015	x15	40	8.8
MEO-020	x20	29	6.5



Dimensions with universal stands:

A = 415 mm - 624 mm  
B = 212 mm  
C = 593 mm - 802 mm  
D = 83 mm - 292 mm  
E = 352 mm - 622 mm



Dimensions with articulated arm:

A = 880 mm  
W = 430 mm  
C = 510 mm  
D = 650 mm  
E = 290 mm

## MANTIS Elite "Flexible"



For general incident light applications with magnification x2 to x20 (option), inspection and rework "freehand" on small and large parts from all technical fields, great flexibility by specially designed articulated arm, single-station system with clamping or 3-hole mounting on the workstation. For magnifications of x10 and higher the use of the table stand MBS-002 is recommended.

dpvlink 10975



Article

Type

ME-Flex

**MANTIS Elite "Flexible"**

## MANTIS Elite "Universal"



For general incident light applications with magnification x2 to x20 (option), inspection and rework "freehand" on small and large parts from all technical fields, single-station system with clamping or 3-hole mounting on the workstation. For magnifications of x10 and higher the use of the table stand MBS-002 is recommended.

**dpvlink 7266**

Article	Type
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ME-Uni	<b>MANTIS Elite "Universal"</b> Head MEH-001 with turret for 2 magnifications (without lenses), swivel/tilt stand MES-005, incident light, dust cover, power supply unit 100-240V / 50-60 Hz.
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## MANTIS Elite "TS"



For general incident and transmitted light applications for magnification x2 to x20 (option), inspection of small parts (also transparent parts) from all technical fields, single-station system to place on the workstation.

**dpvlink 7268**

Article	Type
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ME-TS	<b>MANTIS Elite "TS"</b> Head MEH 001X with turret for 2 magnifications (without lens), table stand MES-006 with fine focus, incident and transmitted light, dust cover, power supply unit 100-240V / 50-60 Hz.
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## Accessories for the MANTIS Compact / Elite



**dpvlink 7284**

Article	Type
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MS-002	<b>Sliding table 100 x 100 mm</b> for table stand
MS-003	<b>Dust cover for MANTIS</b>
MEI-001	<b>LED EPI for Mantis Elite</b> Magnification x4



## Lenses for MANTIS Elite



**dpvlink 7274**

Article	Type
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MEO-002	<b>Lens 2-fold</b> Working distance 160 mm
MEO-004	<b>Lens 4-fold</b> Working distance 96 mm
MEO-006	<b>Lens 6-fold</b> Working distance 68 mm
MEO-006SL	<b>SLWD lens 6-fold</b> Working distance 112 mm
MEO-008	<b>Lens 8-fold</b> Working distance 59 mm
MEO-010	<b>Lens 10-fold</b> Working distance 54 mm
MEO-015	<b>Lens 15-fold</b> Working distance 40 mm
MEO-020	<b>Lens 20-fold</b> Working distance 29 mm
MEO-025	<b>Protection glasses for lenses 4-/8-/10-fold</b> (4 pieces) for MANTIS Elite
MEO-026	<b>Protection glasses for lens 6-fold</b> (4 pieces) for MANTIS Elite
MEO-027	<b>Protection glass for SLWD lens 6-fold</b> 1 piece for MANTIS Elite



## MANTIS Elite HD-CAM projection head



**Mantis Elite HD-Cam** is an advanced version of the successful Mantis stereo inspection system for the recording and documentation of significant images.

The Mantis Elite HD-Cam projection head (without lenses), incl. HD camera with USB port (compatible with stands MBS-002, MES-006, MEF-001 MEFS-001)

- Mantis Elite projection head with factory-integrated USB2.0 camera
- Ideal also for training and educational purposes
- Easy image recording by "1-time-click" on the keyboard
- Storage of image data in: BMP, JPEG & PNG

**dpvlink 13737**

Article	Type
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MHD-001	<b>MANTIS Elite CAM projection head</b>
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## Projection head for MANTIS Elite



**dpvlink 7296**

Article	Type
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MEH-001	<b>Projection head (without magnifying lenses)</b> LED lighting, suitable for stand MES-005 / MBS-002 / MEF-001
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## Stands for MANTIS Elite



**dpvlink 7291**

Article	Type
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MES-005	<b>Universal stand (tilt/swivel arm)</b> with position lock
MEFS-001	<b>Elite floor stand with castors</b> and articulated arm reach: 700 mm
MEF-001	<b>Articulated arm</b>
MF-005	<b>Extension for articulated arm</b> for MEF 001 + MEFS-001 Reach total 500-850 mm



## LYNX EVO



### LYNX EVO - stereo microscope

The eyepiece-less stereo microscope

- ergonomic top performance improves productivity
- improved optics allows fast and accurate inspection
- flexibility for a wide range of applications

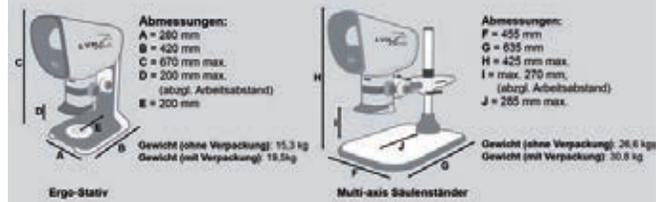
Lynx EVO is an eyepiece-less stereo microscope, powering your productivity by first-class 3D imaging. The unique patented eyepiece-less optics of Lynx EVO allows the user a comfortable working position and thus more efficient working. The user-friendliness and ergonomics of Lynx EVO are unprecedented. The microscope **LynxEVO: more efficient, more accurate, more productive!**



### The advantages of Lynx EVO:

- Unique 3D imaging (stereo) - the user can look around the subject from a 34° angle (improved 3D view/depth perception)
- a natural view of the subject - ambient light falls into the eyes, as the user may sit back from the eyepiece
- suitable for eyeglasses - due to the eyepiece-less optics users do not need to remove their glasses (or safety glasses)
- protection against cross-infection and sample contamination - as there is no direct contact between user and eyepiece/front lens
- ergonomic working position - much more comfortable and less fatiguing working
- freedom of head movement - providing the user radial and axial freedom of head movement when working
- Excellent hand-eye coordination - sitting back from the viewing lens allows the user much better peripheral vision

### Technische Daten



**360° rotating optics - the 360° rotation provides a better detail inspection. The viewing angle from the vertical is 34° - permitting the user to see clearly even hidden details.**



### Precision lenses

Lens	Zoom range*	Working distance	Detail with min. zoom** / max. zoom	
0.45x	2.7x - 27x	176 mm	55 mm	5.5 mm
0.62x	3.7x - 37x	128 mm	40 mm	4.0 mm
1.0x	6x - 60x	75 mm	25 mm	2.5 mm
1.5x	9x - 90x	42 mm	16 mm	1.6 mm
2.0x	12x - 120x	29 mm	12 mm	0.8 mm

### Multiplier 1.5x

Lens	Zoom range*	Working distance	Detail with min. zoom** / max. zoom	
0.45x	2.7x - 40.5x	176 mm	55 mm	3.7 mm
0.62x	3.7x - 55.5x	128 mm	40 mm	2.7 mm
1.0x	6x - 90x	75 mm	25 mm	1.7 mm
1.5x	9x - 135x	42 mm	16 mm	1.1 mm
2.0x	12x - 180x	29 mm	12 mm	0.8 mm

### Multiplier 2.0x

Lens	Zoom range*	Working distance	Detail with min. zoom** / max. zoom	
0.45x	2.7x - 54x	176 mm	55 mm	2.7 mm
0.62x	3.7x - 74x	128 mm	40 mm	2.0 mm
1.0x	6x - 120x	75 mm	25 mm	1.2 mm
1.5x	9x - 180x	42 mm	16 mm	0.8 mm
2.0x	12x - 240x	29 mm	12 mm	0.6 mm

\* Maximum permitted zoom range with engaging/disengaging multiplier

\*\* With disengaging multiplier



## Lynx EVO complete devices



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Article	Type
EVO501	<b>Lynx EVO with ERGO stand and ring light</b> <ul style="list-style-type: none"> <li>with ERGO stand and ring light</li> <li>magnification 10:1</li> <li>consisting of: EVH001, EVZ040, EVB010, EVL100, EVR050, EVP070</li> </ul>
EVO502	<b>Lynx EVO with multi-axis stand and ring light</b> <ul style="list-style-type: none"> <li>with multi-axis stand (without base plate) and ring light</li> <li>magnification 10:1</li> <li>consisting of: EVH001, EVZ040, EVB020, EVF110, EVL062, EVR050, EVP070</li> </ul>
EVO503	<b>Lynx EVO with Ergo stand and rotating optics</b> <ul style="list-style-type: none"> <li>with Ergo stand and rotating optics</li> <li>magnification 10:1</li> <li>consisting of: EVH-001, EVZ-040, EVB-010, EVR-060, EVP-070</li> </ul>
EVO504	<b>Lynx EVO with multi-axis stand and rotating optics</b> <ul style="list-style-type: none"> <li>with multi-axis stand (without base plate) and rotating optics</li> <li>magnification 10:1</li> <li>consisting of: EVH001, EVZ040, EVB020, EVF110, EVR060, EVP070</li> </ul>
<b>Accessories</b>	
EVB022	Base plate for multi-axis stand EVB021
VECE022.ESD	ESD mat for base plate EVB022

## Lighting



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Article	Type
EVP070	<b>Dimmer power unit for EVR050 and EVR060</b>
EVP080	<b>Dimmer power unit for EVS011, EVR050 and EVR060</b>
EVR050	<b>LED ring light with integrated diffuser</b>
EVR060	<b>LED rotating optics</b>
EVS011	<b>LED transmitted light for EVB010</b>

## Stereo head / zoom optics



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Article	Type
EVH001	<b>Lynx EVO Stereo Dynascope head</b>
EVF110	<b>Focusing module for multi-axis stand</b>
EVL045	<b>Lens x0,45 (magnification x2,7-x27)</b> Delivery with converging lens
EVL062	<b>Lens x0,62 (magnification x3,7-x37)</b> Delivery with converging lens
EVL100	<b>Lens x1,0 (magnification x6,0-x60)</b>
EVL150	<b>Lens x1,5 (magnification x9,0-x90)</b> Delivery with converging lens
EVL200	<b>Lens x2,0 (magnification x12,0-x120)</b> Delivery with converging lens
EVZ040	<b>Lynx EVO magnification 10:1</b>
EVZ045	<b>Multiplier lens x1,5 (Zoom x1,5)</b>
EVZ046	<b>Multiplier lens x2,0 (Zoom x2,0)</b>

## Accessories / spare parts



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Article	Type
EVB020	<b>Multi-axis stand with base plate EVB022</b>
EVC131	<b>SmartCam, USB HD camera module 5 megapixel</b>
VECE-VF-WIFI.	<b>WIFI-Set for Software ViFox V7 and pixel-fox V7</b> suitable for EVO Cam and Lynx EVO
VECE-VIFO-V7.	<b>ViFox 7.0 Imaging-Software 7.0</b> suitable for EVO Cam and Lynx EVO
<b>Accessories</b>	
EVB022	Base plate for multi-axis stand EVB021
VECE022.ESD	ESD mat for base plate EVB022
EVB010	Ergo stand with fine/coarse focusing
EVS120	Sliding table 100x100 mm

## EVO Cam II



EVO Cam II digital microscope provides ultra-sharp images allowing you to document and verify your samples as well as to analyze faults. The intuitive menu can be set in several languages. Optical magnification up to 300x and full autofocus ensure high-resolution, ultra-sharp images.

### Benefit from the advantages:

- efficient dimensioning of complex parts by means of **overlays** or **point-to-point measurements**
- transfer of high-resolution images **to a PC**, directly to an **USB stick** or **wireless** (Wi-Fi adapter required) by touching a button
- **10 programmable** presets can be **exported and imported** ensuring standardized inspections
- simple operation by the **intuitive menu** (also in German)
- **overview function** allows switching between detail view and overall view

### Precision lenses:

- high magnification
- high contrast

Lens	Magnification range (24" monitor)	Working distance	Field of view at max. zoom
0.45x	2.3x - 68x	160 mm	7,8 mm x 4.2 mm
0.62x	3.1x - 93.7x	106 mm	5,5 mm x 3.1 mm
1.0x	5x - 151.2x	85 mm	3,5 mm x 2 mm
1.5x	7.6x - 226.8x	43 mm	2,3 mm x 1.2 mm
2.0x	10x - 302.4x	29 mm	1,5 mm x 1.0 mm

### Wide-field lenses:

- large working distance
- large magnification range

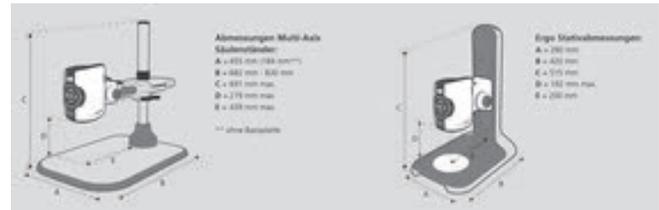
Lens	Magnification range (24" monitor)	Working distance	Field of view at max. zoom
4 diopters	1.71x - 51.41x	245 mm	10 mm x 5.5 mm
5 diopters	2.12x - 65.5x	197 mm	8 mm x 4.5 mm

### Camera:

- magnification 30x optical, 12x digital
- camera resolution 1080p, 1920 x 1080, 1/2.8"CMOS
- frame rate 50fps or 60 fps (switchable)
- output HDMI and USB 3.0
- saved file type .png

### 360° angular optics

- full 360° rotating view
- quick and easy inspection
- switch between oblique view and direct view
- oblique view at a 34° angle
- with integrated 8-point LED ring light



### Multi-axis stand EVB021

- precise and robust, ideal for maximal working distance
- height adjustment and counter balance by integrated gas spring
- direct mounting to the work surface or available with additional base plate (EVB022)

### Ergo stand EVB010

- compact size, high stability
- transmitted-light illumination (option) for a wider range of sample types
- sliding table (option) facilitates the precise control of sensitive samples, avoids contamination by handling

### Double-arm column support S-041EC

- high stability for extended reach
- easy adjustability allowing precise positioning and alignment
- available with platform base or with clamp for direct mounting to the work surface

### Column support S-006EC

- stable base plate, ideal for larger specimens
- cost-efficient stand option

### Articulated arm stand S-007EC

- ultimate flexibility for extended reach
- multi-point adjustability allows precise positioning and alignment

### Table stand S-003EC

- ultra-compact unit with low-profile base
- integrated transmitted-light illumination
- sliding table (option) for an easy control during the inspection of samples



## EVO Cam II - complete devices (basic equipment)



Basic equipment consists of EVO-Cam II video microscope, LED incident light, USB stick and stand (**without** lenses, color screen, accessories)

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Article	Type
ECO2502	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2502</b> <ul style="list-style-type: none"> <li>• multi-axis stand without base plate (EVB021)</li> <li>• focus module (EVF111)</li> </ul>
ECO2504	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2504</b> <ul style="list-style-type: none"> <li>• multi-axis stand without base plate (EVB021)</li> <li>• focus module</li> <li>• 360° rotating view (EVR-066)</li> </ul>
ECO2501	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2501</b> <ul style="list-style-type: none"> <li>• with Ergo stand (EVB010) with fine/coarse focus control</li> </ul>
ECO2503	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2503</b> <ul style="list-style-type: none"> <li>• Ergo stand (EVB010) with fine and coarse focus</li> <li>• 360° rotating view (EVR-066)</li> </ul>
ECO2513	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2513</b> <ul style="list-style-type: none"> <li>• double-arm column stand (S-041EC) with focus</li> </ul>
ECO2511	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2511</b> <ul style="list-style-type: none"> <li>• column stand (S-006E) and focus module</li> </ul>
ECO2510	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2510</b> <ul style="list-style-type: none"> <li>• table stand (S-003EC) and focus module</li> </ul>
ECO2CE1	<b>EVO-Cam II Video microscope (magnification 30x optical / 12x digital) ECO2CE1</b> <ul style="list-style-type: none"> <li>• Flexible articulated arm (EVBCE1)</li> </ul>
ECO2OEM	<b>EVO-Cam II video microscope (magnification 30x optical / 12x digital) ECO2OEM</b> <ul style="list-style-type: none"> <li>• OEM version</li> </ul>

## EVO Cam II - Precision and wide-field lenses



- ultra-high resolution
- sharp contrast
- optimal for high magnifications without loss of comfort
- \*with 12x digital magnification

Lens	Magnification range (24" monitor)	Working distance	Field of view at max. zoom
0.45x	2.3x - 68x	160 mm	7.8 mm x 4.2 mm
0.62x	3.1x - 93.7x	106 mm	5.5 mm x 3.1 mm
1.0x	5x - 151.2x	85 mm	3.5 mm x 2 mm
1.5x	7.6x - 226.8x	43 mm	2.3 mm x 1.2 mm
2.0x	10x - 302.4x	29 mm	1.5 mm x 1.0 mm
4 diopters	1.71x - 51.41x	245 mm	10 mm x 5.5 mm
5 diopters	2.12x - 65.5x	197 mm	8 mm x 4.5 mm

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Article	Type
ECL001	<b>Precision lens 0.45x</b> Working distance 160 mm
ECL002	<b>Precision lens 0.62x</b> Working distance 106 mm
ECL003	<b>Precision lens 1.00x</b> Working distance 85 mm
ECL150	<b>Precision lens 1.5x</b> Working distance 43 mm
ECL200	<b>Precision lens 2.0x</b> Working distance 29 mm
ECL040S	<b>Wide-field objective lens 4 diopters</b> working distance 250 mm
ECL050S	<b>Wide-field objective lens 5 diopters</b> working distance 200 mm
ECL098	<b>Microlens adapter for 5x/10x lenses</b> max. magnification 756x (10x lens)

## EVO Cam II - accessories



### ECX155 remote control

- improved comfort
- operation of all parameters
- quick access to presets

### EVA350 WiFi Dongle

- WLAN adapter
- for a wireless transfer to a computer or a mobile device
- access by multiple users



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Article	Type
ECX155	<b>EVO-Cam II remote control</b>
EVA350	<b>WiFi Dongle for EVO Cam II</b> suitable for EVO Cam and EVO Cam II
VECE0138	<b>TFT screen 12 inch Full HD resolution</b>
VECE0134	<b>TFT screen 24" Full HD resolution</b>
EVA316	<b>Light adapter EVA-316 for EVO Cam II</b> for 1.5x and 2.0x lenses
EVA330	<b>UV-LED ring light with PSU</b>
EVS012	<b>LED transmitted light for EVO Cam</b>
EVB024	<b>Base plate with transmitted light unit for ECO2502</b> suitable for EVO-Cam II ECO2502 (with EVB-021 multi-axis column stand)
EVB022	<b>Base plate for multi-axis stand EVB021</b>
VECE022.ESD	<b>ESD mat for base plate EVB022</b> suitable for Lynx EVO and EVO Cam
EVB010	<b>Ergo stand with fine/coarse focusing</b>
EVS120	<b>Sliding table 100x100 mm</b> for Ergo stand (EVB010)
VECE-VIFO-V8	<b>Vifox 8.0 Imaging software 8.0</b> suitable for EVO Cam and Lynx EVO
EVB094	<b>Safety Stop for double-arm column stand S-241</b> suitable for EVO-Cam II ECO2513 (with double-arm column stand)
EVA331	<b>Polarization filter for incident light</b>
EVA332	<b>Light filter 2800K</b>
EVA333	<b>Light filter 3400K</b>
EVA334	<b>Light filter 4000K</b>
EVA335	<b>Light filter 4350K</b>

## VISION VE Cam

### Quick. Easy. Compact.

Compact full HD digital microscope system for quick and accurate inspection right where you need it. High quality custom-made optics and digital features combine for superior performance. Ideal for visual inspection or manufacturing quality control.



Designed for productivity, the compact VE Cam 50 & VE Cam 80 offer the power, speed and efficiency of digital imaging in a compact package. Packed with new and established features, VE Cam enables you to do more with maximum space efficiency.

Available with 80mm or 50mm field of view, VE Cam is ideal for many routine inspection tasks. Suitable applications include: electronics, mechanical engineering, plastics, additive manufacturing, and ceramics.

**Digital working efficiency:** Digital technology supports immediate information capture and share across teams.

**Intuitive technology:** User friendly interface and common functions make digital systems easy to understand and use.

**Wireless viewing:** WiFi image mirroring mean colleagues and supervisors can view live images without interrupting workflow.

**Improved decision making:** Common viewing capability across teams speeds sample and product validation, adding value and reducing cost through increased efficiency.

### Features for productivity

Enhanced productivity features include:

- 10 User programmable presets
  - Users can configure and swiftly recall preferred settings for up to 10 settings, for example image settings and functional grids, time stamp and other options. Saves time when changing subjects and aids consistency between users
- 6 hotkeys for instant one touch access to most commonly used presets
- Configurable interface allows most commonly used settings to be shown direct on the screen. Choose to see the features you need



### Features for viewing quality

- Precise lighting for precise images: Control of the builtin 8-point ring-light direct from the screen and add transmitted, oblique and flexible illumination through a selection of accessories
- Display two magnifications on screen at one time allowing overview and detail view without changes in settings
- Graphical overlays over the image aid speedy assessment of the subject and can be saved as part of the captured image. Addition of an optional time stamp add traceability



### Control as you like

Get the most from the system by controlling it as you need. Intuitive menus can be accessed by mouse, touchscreen, keypad or keyboard with shortcuts configured on a programmable footswitch allowing direct, hands free access to three selectable features.



**Multi-language menus:** using English, German, Spanish, French, Italian, Portuguese, Chinese, Japanese, Russian

	VE Cam 50	VE Cam 80
Diagonal field of view	50 mm	80 mm
Max. field of view (H x V)	40 mm x 30 mm	64 mm x 48 mm
Min. magnification with 24" monitor	9.97 x	6.23 x
Min. field of view (H x V)	8 x 6	12.8 x 9.6
Max. magnification with 24" monitor	49.9 x	31.5 x
Working distance	163 mm	148 mm

### Stand versions



### Max. height depending on stand version

Stand version	VE Cam 50	VE Cam 80
Table stand (S240)	75 mm	90 mm
Single arm stand (S206)	119 mm	134 mm
Double arm stand with clamp (S241)	262 mm	277 mm
Double arm stand (S242)	407 mm	422 mm

### Shared features

WiFi hotspot - screen mirroring, on-screen quick buttons, save images, pan & zoom of live image, replay saved images, pan and zoom of saved image, area magnifier, pinch zoom (mouse pad/touch screen), 10 presets, time stamp, crosshair & colors, grids & colours, exposure options, white balance options

## VE Cam - complete devices (basic equipment)



Basic device comprises VE Cam, mouse, cable and supply unit

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Article	Type
VECM001	<b>VE Cam 50 with single arm stand (S-206)</b> <ul style="list-style-type: none"> <li>• Monitor 24" Full HD LED (VCE0134)</li> <li>• Mounting adapter for stand S-206 (VCM102)</li> </ul>
VECM001-80	<b>VE Cam 80 with single arm stand (S-206)</b> <ul style="list-style-type: none"> <li>• Monitor 24" Full HD LED (VCE0134)</li> <li>• Mounting adapter for stand S-206 (VCM102)</li> </ul>
VECM002	<b>VE Cam 50 with double arm stand (S-241)</b> <ul style="list-style-type: none"> <li>• Monitor 24" Full HD LED (VCE0134)</li> <li>• Extension cable 1.5 m (VCM104)</li> </ul>
VECM002-80	<b>VE Cam 80 with double arm stand (S-241)</b> <ul style="list-style-type: none"> <li>• Monitor 24" Full HD LED (VCE0134)</li> <li>• Extension cable 1.5 m (VCM104)</li> </ul>
VECM003	<b>VE Cam 50 with table stand (S-240)</b> <ul style="list-style-type: none"> <li>• Monitor 12" Full HD LED (VCE0138)</li> <li>• Mini monitor bracket (VCM101)</li> </ul>
VECM003-80	<b>VE Cam 80 with table stand (S-240)</b> <ul style="list-style-type: none"> <li>• Monitor 12" Full HD LED (VCE0138)</li> <li>• Mini monitor bracket (VCM101)</li> </ul>
VECM004	<b>VE Cam 50 with single arm stand (S-206)</b> <ul style="list-style-type: none"> <li>• Monitor 22" Full HD LED touch panel (VCE0135)</li> <li>• VESA monitor bracket (MNT5245)</li> <li>• Mounting adapter for stand S-206 (VCM102)</li> </ul>
VECM004-80	<b>VE Cam 80 with single arm stand (S-206)</b> <ul style="list-style-type: none"> <li>• Monitor 22" Full HD LED touch panel (VCE0135)</li> <li>• VESA monitor bracket (MNT5245)</li> <li>• Mounting adapter for stand S-206 (VCM102)</li> </ul>
VECM005	<b>VE Cam 50 with table stand (S-240)</b> <ul style="list-style-type: none"> <li>• Monitor 12" Full HD LED (VCE0138)</li> <li>• Mini monitor bracket (VCM101)</li> <li>• Remote control (ECX155)</li> </ul>
VECM005-80	<b>VE Cam 80 with table stand (S-240)</b> <ul style="list-style-type: none"> <li>• Monitor 12" Full HD LED (VCE0138)</li> <li>• Mini monitor bracket (VCM101)</li> <li>• Remote control (ECX155)</li> </ul>

## VISION Makrolite 4K

### Ultra 4K Video inspection made easy

Makrolite 4K, a powerful imaging solution ideal for challenging inspection routines. Makrolite 4K provides high definition video images with a wide dynamic range and up to 330x magnification.



Makrolite 4K is easy to use providing both versatility and high performance. Suitable for industrial and life science sectors including production, lab research, research and development, micro assembly, quality control, inbound/outbound product checking, dissection and re-work.

The wide dynamic range of 4K resolution is ideal for reflective subjects, for example solder joints, subjects in shadow, or subjects with low contrast, such as rubber and plastic.

Combined with a wide range of objective lenses and stand options, Makrolite 4K is a flexible solution to your specific inspection needs.

### Console control version

The console configuration provides direct HDMI connection to the monitor for live display with full control of zoom and all camera settings.

Camera controls include:

- Zoom. 20:1 zoom ratio, with magnification range 3x to 330x
- Autofocus and manual focus
- Aperture, exposure (AE, AP and ME modes)
- Gain, white balance, image flipping



### PC control

Connecting Makrolite 4K to a PC with our dimensioning software, ViPlus, extends its capabilities to include image capture, annotation, on-screen measurement, data/image report generation and a range of image processing tools.



ViPlus software offers:

- Control of camera settings
- Image capture in JPEG, PNG, BMP and TIFF formats
- Annotation tools, including markers and measures
- Measurement tools such as distance, angle, diameter, area
- Import of CAD files for inspection
- Image processing such as colour inversion, shape detection, focus stacking, overlays
- Generation of reports in Excel and other formats

### Data sharing

Share 4K images, videos or reports with colleagues, suppliers, customers and regulators easily and instantly across networks. The option to save images and video to a USB drive is also available with both the PC and the console configurations.

### Flexible solution

Whatever your application requirements, Makrolite 4K is available with a stand that perfectly meets your needs.



### Ergo stand (EVB010)

- Small footprint and exceptional stability for high magnification applications
- Available with floating stage option for smooth and precise control of components



### Table stand (S-240)

- Compact, high stability and small footprint
- Integrated intensity adjustment for incident and transmitted lighting



### Single arm stand (S-206)

- Ideal for larger components
- Stable platform with base or attached directly to the work surface
- Good freedom of movement



### Double arm stand (S-241)

- For applications requiring greater reach without compromising stability
- Easy adjustment for precise positioning and alignment
- With either base or clamp for direct mounting on the working surface



### Multi-axis stand (EVB021)

- Precise and robust
- Ideal for industrial applications requiring maximum work space
- Integrated gas strut adjustment is quick and effortless
- Extended reach (maximum throat 439 mm)

Lenses	Working distance	Field of view at		
		min. magnification	max. magnification	
			(Optical zoom)	(Digital zoom)
0,45x	170 mm	212 mm (3x)	8.8 mm (45x)	4.4 mm (90x)
0.62x	112 mm	201 mm (3x)	10.2 mm (57x)	5.1 mm (114x)
1.0x	84 mm	61 mm (10x)	6.2 mm (100x)	3.1 mm (200x)
1.5x	43 mm	28 mm (20x)	4.2 mm (150x)	2.1 mm (300x)
2.0x	29 mm	24 mm (20x)	3.2 mm (165x)	1.6 mm (330x)

Camera		PC requirements	
Sensor type	CMOS 1/2,5" 8,51 MP	Operating system	Windows 10
Camera output	4K, 2160p/30fps	Processor	i7 or later version, 3GHz
Focus	Autofocus or manual focus	Graphics	min. HDMI 2.0
Image	Ultra HD 2160p (3840 x 2160)	Memory	min. 8GB RAM
		Scalability	x4 oder x8 PCI express card

## Makrolite 4K - complete devices (basic equipment)



Basic device comprises Makrolite 4K camera, LED ring light and control console

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Article	Type
M4K2501	<b>Makrolite 4K with ergo stand (EVB010)</b> <ul style="list-style-type: none"> <li>• Objective x 1.00 (ECL003)</li> <li>• External recording module (M4K105)</li> <li>• TFT screen 27" 4K (VECE4KM)</li> <li>• M4K adapter for ergo stand / multi-axis stand (S-416)</li> </ul>
M4K2502	<b>Makrolite 4K with multi-axis stand (EVB021)</b> <ul style="list-style-type: none"> <li>• Focusing module (EVF111)</li> <li>• Objective x 0.62 (ECL002)</li> <li>• External recording module (M4K105)</li> <li>• TFT screen 27" 4K (VECE4KM)</li> <li>• M4K adapter for ergo stand / multi-axis stand (S-416)</li> </ul>
M4K2503	<b>Makrolite 4K with ergo stand (EVB010)</b> <ul style="list-style-type: none"> <li>• Objective x 1.00 (ECL003)</li> <li>• TFT screen 27" 4K (VECE4KM)</li> <li>• Minitower PC INTEL i7 Win10pro SSD (VECE0142)</li> <li>• Frame Grabber card 4K (M4K106)</li> <li>• ViPlus software (VIS001)</li> <li>• M4K adapter for ergo stand / multi-axis stand (S-416)</li> </ul>
M4K2504	<b>Makrolite 4K with multi-axis stand (EVB021)</b> <ul style="list-style-type: none"> <li>• Focusing module (EVF111)</li> <li>• Objective x 0.62 (ECL002)</li> <li>• TFT screen 27" 4K (VECE4KM)</li> <li>• Minitower PC INTEL i7 Win10pro SSD (VECE0142)</li> <li>• Frame Grabber card 4K (M4K106)</li> <li>• ViPlus software (VIS001)</li> <li>• M4K adapter for ergo stand / multi-axis stand (S-416)</li> </ul>
M4K2513	<b>Makrolite 4K with double arm stand (S-241)</b> <ul style="list-style-type: none"> <li>• Objective x 1.00 (ECL003)</li> <li>• TFT screen 27" 4K (VECE4KM)</li> <li>• Minitower PC INTEL i7 Win10pro SSD (VECE0142)</li> <li>• Frame Grabber card 4K (M4K106)</li> <li>• ViPlus software (VIS001)</li> </ul>
M4K2511	<b>Makrolite 4K with single arm stand (S-206)</b> <ul style="list-style-type: none"> <li>• Objective x 0.62 (ECL002)</li> </ul>

## TEK-Scope HD inspection system

### TEK-SCOPE PLUS HD optical inspection system



TEK-SCOPE PLUS produces high-quality, distortion-free FHD images of up to 1080p with no delay and with excellent depth of field. LED lights provide a shadow-free illumination. TEK-SCOPE PLUS has to be connected to a monitor.



- Monitor connection via DisplayPort / HDMI output
- Live-streaming images on monitor (HD 1280x720 / FHD 1920x1080)
- optical magnification up to 46x
- digital magnification up to 460x (recommended maximal magnification for trouble-free images up to 300x)
- Full HD images up to 1080px
- image storage directly on USB stick possible
- 310 mm working distance enables enough space for mounting, repair and rework



#### Advantages:

- user-friendly system
- promotes correct body posture
- large depth of field
- Auto focus for a quicker inspection of objects at different heights and magnifications



#### Optional accessories:



Inspection from any angle, including 4D lens



X-Y precision gliding stage

dpvlink 23165

Article	Type
I-TEK.SCOPE-PLUS	TEK-SCOPE PLUS HD optical inspection system



#### Accessories TEK-SCOPE PLUS



dpvlink 22037

Article	Type
I-TEK.TILT-PLUS	TEK-SCOPE 360° inspection table and 4D lens ESD version
I-TEK.XY	TEK-SCOPE PLUS XY inspection table



## Cam BETA

### Cam BETA - Digital inspection magnifier



CamB - Digital inspection magnifier for the easy, portable inspection of inaccessible spaces.



CamB provides an ideal illumination of your macro shots. Select between 4 lighting positions. No digital camera or smartphone is required for documenting faults and inspecting immobile subjects.

- 4 LEDs with 4 lighting positions
- preconfigured lighting for close-ups
- safe connection via HDMI (no WiFi connection)
- with support leg for ideal distance
- for left- and righthanders



#### Technical data:

Display	4.3 inch (10.9 cm)
Display mode	color display, black and white, black, inverted black and white, grey scale
Magnification	4 x, 8 x, 16 x and 20 x
Illumination	4 x LED, optimized for magnified imaging 4 settings: 100 %, 75 %, 50 %, 25 %
Dimension grids	1 mm <sup>2</sup> grid simple X / Y on-screen dimensioning virtual caliper
Measurements	Yes (inch / mm)
Image capture resolution	1280 x 720, JPEG
Video output	Mini-HDMI-TV output
Connections	Micro-USB connection for image download and charging Mini-HDMI for monitor TV output
Rechargeable battery	Lithium ion, 6 hour continuous operation
Dimensions	283 mm (L) x 88 mm (H) x 22 mm (W)
Weight	205 g
Image storage	20.000
Internal memory	4 GB
Scope of delivery	CamB, soft case, USB cable, Mini-HDMI cable, TV output cable, lanyard, cleaning cloth, user guide

dpvlink 21668

Article Type

CMB001 **Cam BETA - Digital inspection magnifier**



## Magnifiers

### Watchmaker's magnifier

ESCHENBACH



The watchmaker's magnifiers by Eschenbach are comfortable to wear. The anthracite plastic case prevents scattered light on the lenses providing a clear contrast.

- biconvex (curved outwards on both sides) or plano-convex (curved outwards on one side)
- plastic of low flammability

dpvlink 20430

Article	Magnification	Diameter in mm	Lens
<b>Watchmaker's magnifier</b>			
ES-1124110	10x	25	aspheric
ES-11243	3x	25	plano-convex
ES-11245	5x	25	plano-convex
ES-11247	7x	25	plano-convex



### Designo folding magnifier

ESCHENBACH



- slide-out magnifier for an optimum protection of the lens
- very handy and small
- quick and comfortable magnification

dpvlink 20844

Article	Magnification	Diameter in mm	Diopters
ES-1711	5x	30	20



### Precision folding magnifier brass

ESCHENBACH



Folding magnifier of matt chrome-plated housing with eyelet. Lens frame of black painted metal

dpvlink 20774

Article	Magnification	Diameter in mm	Lens
<b>Precision folding magnifier brass</b>			
ES-11766	6x	21	aplanatic
ES-11768	8x	21	aplanatic
ES-117612	12x	15	aplanatic
ES-117610	10x	21	aplanatic
ES-1187	4x/6x	27	biconvexe
ES-118410	10x	15	achromatic
ES-118420	20x	17	achromatic



### Precision folding magnifier plastic

ESCHENBACH



High-quality silicate lens with polyamide housing. The housing is non-breakable and dust-tight when closed.

dpvlink 20780

Article	Magnification	Diameter in mm	Lens
<b>Precision folding magnifier plastic</b>			
ES-11869	3x/6x	23	achromatic
ES-118210	10x	23	aplanatic



### Mobilent folding magnifier

ESCHENBACH



- high-magnification folding magnifier
- aspheric PXM<sup>®</sup> lightweight lens
- distortion-free image with edge-to-edge sharpness
- plastic case encloses the lens and is dust-tight
- always ready-to-hand with neck cord

dpvlink 20840

Article	Magnification	Diameter in mm	Diopters
<b>Mobilent folding magnifier</b>			
ES-171094	4x	35	16
ES-171097	7x	35	28
ES-1710910	10x	35	38



## Mobilent LED folding magnifier

ESCHENBACH



- high-magnification folding magnifier
- with efficient LED illumination
- aspheric PXM® lightweight lens
- distortion-free image with edge-to-edge sharpness
- plastic case encloses the lens and is dust-tight
- included lanyard
- inclusive 1 x CR 2032 battery

dpvlink 22703

Article	Magnification	Diameter in mm	Diopters
<b>Mobilent LED folding magnifier</b>			
ES-152094	4x	35	16
ES-152097	7x	35	28
ES-1520910	10x	35	38



## Stand magnifier aspheric

ESCHENBACH



- stand magnifier with very scratch-resistant lens
- can be used as a high magnification vision aid
- open base for working under the lens (with ES-2626 and ES-2628)
- transparent base allows excellent illumination from all sides

dpvlink 20851

Article	Magnification	Diameter in mm	Lens
ES-2626	6x	50	aspheric
ES-2628	10x	35	aspheric
ES-1153	8x	25	aplanatic



## easyPocket illuminated pocket magnifier

ESCHENBACH



- pocket magnifier with optional illumination
- magnification in a credit card format
- ultra-flat and lightweight
- including case for storage
- with 2 x 2025 button battery

dpvlink 20798

Article	Magnification	Diameter / dimension [mm]	Lens
ES-152110	3x	86 x 54	aspheric
ES-152111	3x	86 x 54	aspheric
ES-152122	4x	86 x 54	aspheric



## easyPocket XL illuminated pocket magnifier

ESCHENBACH



- especially large visual field with super-flat lens
- including case for safe storage
- LED has an almost unlimited service life
- can be used as stand magnifier with the integrated strap
- including 2 x 2032 button battery

dpvlink 20802

Article	Magnification	Diameter / dimension [mm]	Lens
ES-152210	2.5x	78 x 50	aspheric
ES-152211	2.5x	78 x 50	aspheric



## mobilux LED illuminated pocket magnifier

ESCHENBACH

mobilux® LED magnifier is easy to use. Always ready-to-hand with a large, easy to operate light switch and eyelet for lanyard.

- 3 attachable transparent filters focusing light and improving the light intensity by up to 40%
- battery service life up to 10x longer
- incl. 2 x AA batteries
- including case to attach on the lens



dpvlink 20788

Article	Magnification	Diameter / dimension [mm]	Lens
ES-151110	10x	35	aspheric
ES-151112	12.5x	35	aspheric
ES-15112	3x	60	aspheric
ES-15122	3x	90 x 54	aspheric
ES-15113	3.5x	75 x 50	aspheric
ES-15114	4x	75 x 50	aspheric
ES-151141	4x	60	aspheric
ES-15115	5x	58	aspheric
ES-15116	6x	58	aspheric
ES-15117	7x	35	aspheric



## powerlux illuminated magnifier

ESCHENBACH



- illuminated stand magnifier
- even, shadow-free illumination
- very scratch-resistant
- ergonomic design
- economical power consumption due to automatic shut-off function after 30 minutes
- suitable for right and left handers
- including 3 x AA batteries

dpvlink 20808

Article	Magnification	Diameter in mm	Diopters	Light color
<b>powerlux illuminated magnifier</b>				
ES-158614	3.5x	58	14	8.000 K
ES-1586141	3.5x	58	14	3.000 K
ES-158620	5x	58	20	8.000 K
ES-1586201	5x	58	20	3.000 K
ES-158628	7x	58	28	8.000 K
ES-1586281	7x	58	28	3.000 K



## Micro illuminated magnifier LED

ESCHENBACH



- micro-magnifier with LED illumination
- for inspecting a wide variety of surfaces such as metals, textiles, varnishes etc.
- detailed examination of depressed or raised features
- high level of brightness due to large lens aperture
- precise focus setting with swivel
- illumination switchable if required
- glass lens of high-quality silicate

dpvlink 20870

Article	Type
ES-11744	Micro illuminated magnifier LED



## laboMED attachment magnifier

ESCHENBACH



- free hands for working
- high level of magnification
- lens clamp made of glass-fiber reinforced plastic
- discreet metal frame with matt black finish
- with storage box
- not suitable for persons wearing spectacles

dpvlink 20821

Article	Magnification	Diopters	Lens	Working distance
ES-164450	1.7x	2,5	plano-convex	400
ES-164451	2x	2,5	plano-convex	250
ES-164452	2.5x	5	plano-convex	180
ES-164453	3x	7,75	plano-convex	130



## laboClip attachment magnifier

ESCHENBACH



- Attachment magnifier can be easily attached to the wearer's spectacle frame
- comfortable working distance
- low weight
- clamping element made of glass-fiber reinforced plastic
- with storage box

dpvlink 20822

Article	Magnification	Diopters	Lens	Working distance
ES-164617	1.7x	2,5	binocular	400
ES-164620	2x	2,5	binocular	250
ES-164625	2.5x	5	binocular	180
ES-164630	3x	7,75	binocular	130
ES-164640	4x	16	monocular	55
ES-164670	7x	28	monocular	32



## laboComfort headband magnifier

ESCHENBACH



- headband magnifier with 1.7-fold to 3-fold magnification
- height of the magnifier shield can be adjusted individually via adjustable headband strap
- when not used the shield can be simply lifted up
- suitable for persons wearing spectacles
- dark grey, closed plastic shield against diffused light with integrated lens bracket
- laboComfort can only be used with binocular lenses

dpvlink 20835

Article	Magnification	Diopters	Lens	Working distance
ES-164817	1.7x	2,5	plano-convex	400
ES-164820	2x	2,5	plano-convex	250
ES-164825	2.5x	5	plano-convex	180
ES-164830	3x	7,75	plano-convex	130



## Aspheric reading magnifier

ESCHENBACH



- for reading and looking at pictures
- concealed eyelet in the end of the handle for neck cord
- including lanyard
- genuine leather case separately available under dpvlink 20876

dpvlink 20854

Article	Magnification	Diameter / dimension [mm]	Lens
ES-265550	6x	50	aspheric
ES-265560	5x	58	aspheric
ES-265570	4x	70	aspheric
ES-2655750	3.5x	75 x 50	aspheric



## Precision scale magnifier

ESCHENBACH



- distortion-free and pin sharp image
- fine focusing via easy-grip focusing ring
- with measuring scale, measuring range 20 mm, 1/10 mm
- housing made of glass-fiber reinforced polyamide
- including plastic box with space for other scales

dpvlink 20861

Article	Magnification	Diameter in mm	Lens
ES-115410	10x	23	achromatic
ES-11547	7x	23	achromatic



## Scale magnifier

ESCHENBACH



- magnifier with measuring scale
- 10-fold magnification
- 38 diopters
- LED scale magnifier ES-155074 requires 2x C battery 1.5 V
- with case

dpvlink 20805

Article	Type
ES-155071	Scale magnifier
ES-155074	LED scale magnifier



## Scribolux stand magnifier

ESCHENBACH



- illuminated stand magnifier
- lots of space for writing and reading
- magnifier base with open design
- bright, even and glare-free illumination
- shadow-free working with both hands under the scratch-resistant lens
- low power consumption due to automatic shut-off function after 30 minutes
- including 3 x AA batteries

dpvlink 20864

Article	Magnification	Diopters	Lens
ES-156512	2.8x	7	aspheric



## Maintenance cleaning

## EPAclean® Cleaning supplies



Quick and simple cleaning for conductive surfaces in ESD areas. Clean reliably your work place and table coverings as well as floorings and other surfaces. The high-quality of the new EPAclean® cleaning series professional is ready-to-use and available as spray bottle and refill canister. When used for maintenance cleaning the EPAclean® concentrate ESD Floor Cleaner professional is very economical. If a basic cleaning is necessary, the ESD Basic cleaner professional concentrate produces excellent results.

### ESD Cleaner professional



EPAclean® ESD Cleaner professional for the quick and easy cleaning of ESD surfaces



- ready-to-use cleaner
- binds loose dust and fine dirt in a hygienic way
- cleans without streaking and does not build up layers
- spray nozzle allows damp-wiping due to a controlled and well-measured dispersion of the cleaner
- prevents overdosage and swelling effects caused by excessive moisture
- surface dries completely and is usable within a very short period of time

dpvlink 22449



Article	Type
2920.2001	<b>EPAclean® ESD Cleaner Professional</b> 1l aerosol
2920.2005	<b>EPAclean® ESD Cleaner Professional</b> 5 liter canister

### ESD Floor Cleaner professional



EPAclean® ESD Floor Cleaner professional suitable for the maintenance cleaning of all ESD PVC floorings



**EPAclean**

- excellent dirt-binding characteristics, even with greasy residues
- no leaching of the surface
- no formation of grey haze
- cleaning without stripes
- concentrate
- dilution ratio 1:200

dpvlink 22452



Article	Type
2920.2010.K	<b>EPAclean® ESD Floor Cleaner Professional</b> 10 liter canister

### ESD Basic Cleaner professional



EPAclean® ESD Basic Cleaner professional for the gentle and effective basic cleaning of ESD floors



**EPAclean**

- for the removal of waxes, wash products, care coatings as well as adhesive residues and building dirt during the final cleaning after construction work with a given PU treatment at the factory
- high dissolving power and of gentle low alkalinity
- all-purpose basic cleaner for all elastic floorings
- concentrate
- dilution ratio 1:10

dpvlink 22454



Article	Type
2920.2050.K	<b>EPAclean® ESD Basic cleaner Professional</b> 5l canister

## Microfiber cloths

### Floor mop Supra-Klapp / -Klett



#### Aluminum telescopic handle:

With stable internal locking, variable size setting from 80 cm - 160 cm, handle: Ø 23.5 mm

#### Floorcloth holder Supra-Klapp:

A high-quality, robust folding system floor cloth holder with a width of 40 cm.

#### Floorcloth holder Supra-Klett:

Easy handling, by trapezoidal shape ideal for corners. velcro strips at the bottom hold the special celcro microfiber floorcloths.

dpvlink 8482

Article	Type
2900.MFT.590	<b>Aluminum telescopic handle</b>
2900.MFT.500	<b>Mop holder Supra-Klapp</b> for microfiber cloth Supra, with pockets (telescopic handle separately available)
2900.MFT.510	<b>Mop holder Supra-Klett</b> for microfiber cloth Supra-Klett (telescopic handle separately available)



### Microfiber cloth Supra



Machine washable, recommended up to 60°C (max. 95°C), do not use a fabric softener.

**Supra 100** - moist mop for a quick cleaning suitable for all smooth floor surfaces (PVC, parquet, laminate, etc.). Ideal for the spray method. Quickly ready to walk on.

**Supra 105** - dry mop, wet mop, moist mop, dust mop for smooth and grooved floors and rough surfaces.

**Supra 110** - extra fine mop with long, fleecy pile. 30% more water absorption and high dirt-holding capacity. For PVC, parquet, laminate and other smooth floors.

dpvlink 8471

Article	Type
2900.MFT.100	<b>Microfiber cloth Supra 100 (white/blue dots)</b> Size 46 x 17 cm, with pockets, extra thick, short piled, material: 100% microfiber
2900.MFT.105	<b>Microfiber cloth Supra 105 (white/blue stripes)</b> Size: 46 x 17 cm, with pockets, high-pile, material: 82% microfiber, 18% cotton
2900.MFT.110	<b>Microfiber cloth Supra 110 (green, white)</b> Size: 46 x 17 cm, with pockets, high-pile / long fleecy floor, material: 100% microfiber



### Microfiber cloth Supra Klett



Machine washable, recommended up to 60°C (max. 95°C), do not use a fabric softener.

**Supra 200** - wet mop for a quick cleaning suitable for all smooth surfaces (PVC, parquet, laminate, etc.). Ideal for the spray method. Quickly ready to walk on.

dpvlink 8475

Article	Type
2900.MFT.200	<b>Microfiber cloth Supra 200-Klett (white/blue dots)</b> Size 47.5 x 14.5 cm, velcro fastener, short piled, extra thick, material: 100% microfiber



## Microfiber cloths



The microfiber is an extremely thin fiber which is splitted again into many little fibers in a special process. This creates hollow spaces that store the water very well and release it during the cleaning again.

### Important! Wash before the first use!

Washable up to 90°C. Do not use fabric softeners as the fibers may stick. High dirt-holding capacity.

### Primo microfiber cloth

- Wet the cloth before using and wring it out well.
- Suitable for all surfaces (chrome, monitor, sanitary, stainless steel, etc.)
- Streak-free without cleaning additives

### Crystal microfiber cloth

- especially suitable for glass surfaces

dpvlink 4643

Article	Type
2900.MFT-K.plus	Crystal window microfiber cloth 50 x 70 cm, VPE = 5
2900.MFT-P.blau	Primo-Aktiv microfiber cloths 40 x 40 cm, light blue, PU = 10
2900.MFT-P.rot	Primo-Aktiv microfiber cloths 40 x 40 cm, red, PU = 10
2900.MFT-P.gelb	Primo-Aktiv microfiber cloths 40 x 40 cm, yellow, PU = 10
2900.MFT-P.grün	Primo-Aktiv microfiber cloths 40 x 40 cm, green, PU = 10



## Wipes ESD



Dissipative ESD wipes for the cleaning or drying of stencils, printed circuit boards, optical components or machine parts.

- 100% synthetic, knitted polyester
- no metal or carbon fibers
- for the use with conventional cleaners

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 5828

Article	Type	L [mm]	W [mm]	PU
6200.20	Wipe (pink)	230	230	50 piece



## ESD cleaning cloths



Dissipative cleaning cloths of carbon fiber  
Suitable for the use in ESD zones

dpvlink 15767

Article	Type	L [mm]	W [mm]	PU
6201.1003	ESD cleaning cloths	230	230	150 piece



## Wipes

Dissipative ESD wipes for cleaning or drying stencils, printed circuit boards, optical components or machine parts



- material: 67% knitted polyester, 29% micro denier nylon, 4% carbonized yarn
- dimensions: 230 x 230 mm
- color: white
- not washable

In compliance with ESD standard  
DIN EN 61340-5-1

dpvlink 17717

Article	Type	L [mm]	W [mm]	PU piece
8850.WP	Wipes	230	230	50 piece



## Cleaning supplies

### ESD Cleaner



- special cleaners for dissipative and conductive surfaces
- no negative influence on the resistance values
- easy cleaning of smudges and beverage stains, pencil and felt pen strokes as well as inks
- easy application by spray



dpvlink 4632

Article	Packaging type	Volume
2900.570	spray bottle	1.0 l
2900.571	canister	5 l



### ESD Floor Cleaner R1000



- cleaning agent for ESD floors
- no negative influence on the resistance values
- easy cleaning of normal contamination
- for basic cleaning and maintenance cleaning
- Dilution ratio 1:200 (50 ml per 10 liter bucket)



dpvlink 4638

Article	Packaging type	Volume
2900.560.2.5	canister	2.5 l
2900.560.5	canister	5 l
2900.560.10	canister	10 l



### ESD Floor Polish



- dissipative, liquid floor wax
- suitable for insulating floor materials such as PVC, linoleum and parquet
- silky, shiny surface
- cost-effective solution
- quick and easy application with conventional cleaning equipment
- regular treatment necessary



Consumption: approx. 1 liter / 30 - 40 m<sup>2</sup> (depending on floor conditions)

In compliance with ESD standard DIN EN 61340-5-1

dpvlink 4636

Article	Packaging type	Volume
2900.581	canister	5 l



### ESD Floor Stripper



- removes ESD Floor Polish safely and effectively
- for cleaning of the floor before sealing
- no negative effects on electrical resistance values
- listed by the Federal Environment Agency with UBA No.: 0233-0255



Consumption: approx. 1 l / 10 m<sup>2</sup> (depending on the floor conditions)

dpvlink 10134

Article	Packaging type	Volume
2900.580	canister	5 l



## Component cleaning

### Sticks

#### Foambuds cleaning sticks



Special, long plastic sticks with foam tip for cleaning read/write heads and tape drives

- The flexible sticks (15 cm) allow a thorough cleaning even of inaccessible spaces
- The foam tip does not wear out and offers a perfect cleaning
- The cotton core serves as fluid reservoir

dpvlink 2440

Article	Type
FBU100	<b>Cleaning swabs</b>

Sticks with foam tip, box with 100 buds



#### PC Buds plastic sticks



Plastic sticks with wide, flexible foam tip

- Sticks (13 cm) with 13 mm wide foam tip
- The abrasion-resistant foam tip ensures a careful surface cleaning
- The flexible, narrow head allows a thorough cleaning of even inaccessible spaces
- Reclosable bag

dpvlink 2507

Article	Type
PCB025	<b>PC Buds plastic sticks</b>

Sticks with foam tip for keyboards, bag with 25 buds



#### Safebuds wooden sticks



Wooden sticks with a tip made of pure cotton.

- To reach even difficult corners and inaccessible places such as the computer hardware
- An insoluble adhesive fixes the cotton tip on the stick
- Reclosable bag

dpvlink 2521

Article	Type
SBU000	<b>Safebuds wooden sticks</b>

Lint-free cotton swabs, box with 1.000 buds



#### Cleaning sticks / Swabs - polyurethane (PU)



- Head: polyurethane (PU) foam
- stick: polypropylene
- cleanroom class 100 / ISO 5

dpvlink 22898

Article	Type
1000.325	<b>Cleaning sticks PU</b>

Head: 4.8 x 15 mm  
Stick: 3 x 137.3 mm  
PU = 500 pieces



## ESD cleaning sticks / Swabs – polyurethane (PU)



- Head: polyurethane (PU) foam
- stick: polypropylene
- cleanroom class 100 / ISO 5

In compliance with the ESD standard  
DIN EN 61340-5-1 

dpvlink 22889



Article	Type
1000.301	<b>ESD cleaning sticks PU</b> Head: 4.7 x 20.6 mm Stick: 2.5 x 131.8 mm PU = 50 pieces
1000.300	<b>ESD cleaning sticks PU</b> Head: 4.0 x 14.2 mm Stick: 2.3 x 62 mm PU = 50 pieces

## Cleaning sticks / Swabs - polyester



Swabs ideal for the use with cleaners, degreasers, flux remover and other solvents for a quick and precise cleaning

- head: knitted polyester / nonwoven polyester
- stick: polypropylene
- acid and solvent resistant
- high resistance due to sealed edges
- ideal for cleaning raised outlines
- no particle residues due to fiber-free structure

dpvlink 22869



Article	Type
I-IT36850	<b>Swabs Polyester</b> Head: 4.7 x 18.9 mm Stick: 3.1 x 147 mm PU = 100 pieces
I-IT38040	<b>Swabs Polyester</b> Head: 2.4 x 11.2 mm Stick: 2.3 x 69 mm PU = 100 pieces
I-IT38140	<b>Swabs Polyester</b> Head: 1.6 x 12.1 mm Stick: 2.3 x 69 mm PU = 100 pieces
I-IT38540	<b>Swabs Polyester</b> Head: 1.0 x 11.7 mm Stick: 2.3 x 69 mm PU = 100 pieces

## Cleaning sticks / Swabs - wrapped foam



Swabs - cleaning sticks ideal for the use with cleaners, degreasers, flux removers and other solvents for a quick and precise cleaning

- head: wrapped foam (PU)
- stick: nylon
- excellent particle confinement
- suitable as solvent applicators
- highest wearing resistance, therefore ideal for removing persistent contaminations
- especially fine tip for the use in tight areas

dpvlink 22874



Article	Type
I-IT21050	<b>Cleanroom sticks wrapped foam</b> Head: 3.7 x 27.5 mm Stick: 2.5 x 71 mm PU = 100 pieces

## Cleaning sticks / Swabs – polyurethane (PU)



Swabs - cleaning sticks ideal for the use with cleaners, degreasers, flux removers and other solvents for a quick and precise cleaning

- head: polyurethane (PU) foam
- stick: polypropylene
- fine (100 ppi), reticular foam for excellent particle confinement
- open-cell structure assures good solvent binding
- no particle residues due to fiberless structure
- contains no adhesive or binder - therefore no contaminations

dpvlink 22793



Article	Type
I-IT41050	<b>Cleaning sticks PU</b> Head: 3.3 x 10.2 mm Stick: 2.6 x 72 mm PU = 100 pieces
I-IT44070	<b>Cleaning sticks PU</b> Head: 2.7 x 9.9 mm Stick: 2.4 x 80 mm PU = 100 pieces
I-IT48040	<b>Cleaning sticks PU</b> Head: 2.5 x 10.5 mm Stick: 2.2 x 68 mm PU = 100 pieces

## ESD cleaning sticks Sticky Swabs



Sticky Swabs - ESD cleaning sticks for the use in cleanroom environments (ISO 4, ISO 5)  
For removing particles from tight, difficult to reach areas

- ESD safe
- soft, absorbing, non-abrasive tip
- lint-free
- leaves no adhesive residues
- cleanroom class 100 / ISO 5

In compliance with the ESD standard DIN EN 61340-5-1 

dpvlink 22768



Article	Type
I-IT01401/10	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 1 mm, stick: 2.0 x 70 mm 10 pieces/box
I-IT01401/25	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 1 mm, stick: 2.0 x 70 mm 25 pieces/box
I-IT01402/10	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 2 mm, stick: 2.0 x 70 mm 10 pieces/box
I-IT01402/25	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 2 mm, stick: 2.0 x 70 mm 25 pieces/box
I-IT01403/10	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 3 mm, stick: 2.0 x 70 mm 10 pieces/box
I-IT01403/25	<b>ESD cleaning sticks Sticky Swabs</b> Head ø: 3 mm, stick: 2.0 x 70 mm 25 pieces/box
I-IT0140123/75	<b>ESD cleaning sticks Sticky Swabs set</b> 25 x ø head 1 mm, 25 x ø head 2 mm, 25 x ø head 3 mm Mixed box with 75 pieces

## Wipes

### Safecloths dry cloths



- Pressed nonwoven cloths for general cleaning
- Especially useful for housings, furniture and whiteboards
  - Packed in a practical, reclosable bag
  - Applicable with Foamclene, Maxiclene and Whiteboardclene
  - Absolutely lint-free, especially absorbent

dpvlink 2523



Article	Type
SCH050	<b>Safecloths dry cloths</b> Nonwoven cloths 320 x 340 mm, bag with 50 cloths.

### Safewips cotton cloths



- Cloths made of pure cotton
- 100% pure cotton without additives or brightening agents
  - cut contrary to the seam
  - To use with AF Spray, Isoclene, Headclene, Safeclene 2000, Safecleans

dpvlink 2525



Article	Type
SW1100	<b>Safewips cotton cloths</b> Lint-free, 230 x 230 mm Bag with 100 cloths
SW1400	<b>Safewips cotton cloths</b> Lint-free, 100 x 100 mm Box with 4 bags each with 100 cloths

### Safetiss paper wipes



- High-quality single-ply paper wipes
- Highly absorbent, lint-free
  - Excellent tear strength (wet and dry)
  - Applicable with Screenclene, Foamclene, Maxiclene

dpvlink 2528



Article	Type
ST1200	<b>Safetiss paper wipes</b> 220 x 230 mm, dispenser box with 200 wipes

### Safepads cleaning cloths



- Lint-free cloths, impregnated with cleaning fluid
- Contains 99.7% pure isopropyl alcohol
  - Recommended for the professional technical application
  - Ideal to clean inaccessible places

dpvlink 2425



Article	Type
SPA100	<b>Safepads cleaner for surfaces</b> Box with 100 wipes, individually packed

## Aerowipes

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- The Aerowipes are impregnated with a non-hazardous, water-based liquid
- The liquid evaporates quickly and leaves a residue-free surface
- Aerowipes cause no corrosion and are low in odor

dpvlink 10823



Article	Type
ARW300	<b>Aerowipes - ARW 300</b> 300 wipes / bucket

## Cleaning set



Compact cleaning set for the care of all surfaces of PCs and workstations.

- Powerful foam cleaner for cases and keyboards
- Antistatic wet/dry wipes for screen filters and monitors
- Cleaning wipes and cotton swabs for the use with foam cleaner

dpvlink 2532



Article	Type
SCK000	<b>Cleaning set</b> 1 foam cleaner (87 ml), 10 pairs of cleaning wipes for screens, 20 nonwoven cloths, 25 cotton sticks

## Hygiene / Disinfection

### SaniSchutz Hand sanitizer

Hand sanitizer against envelope viruses.



- for a hygienic hand disinfection on washed, dry hands
- excellent immediate effect
- excellent tolerance even with long-term application
- higher skin moisture in case of multiple use
- consumption approx. 3 ml per application

dpvlink 23917



Article	Type
2900.605.100	<b>SaniSchutz Hand sanitizer</b> 100 ml bottle
2900.605.5	<b>SaniSchutz Hand sanitizer</b> 5 liter canister

## SaniSchutz Surface disinfectant

Ready-made surface disinfectant with virucidal, bactericidal and fungicidal effect.



- ready-made solution for wipe disinfection
- suitable for dissipative surfaces
- suitable for non-porous, hard, washable (water-resistant) surfaces and things
- good cleaning effect at a comparatively low pH value
- available as spray bottle (500 ml) or canister (10 liters)
- consumption approx. 500 ml for 10 m<sup>2</sup>

dpvlink 23920

Article	Type
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2900.610.500	<b>SaniSchutz Surface disinfectant</b> 500 ml spray bottle
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2900.610.10	<b>SaniSchutz Surface disinfectant</b> 10 liter canister
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## Disinfectant Cleaner C, concentrate

Surface disinfectant cleaner concentrated with virucidal, bactericidal and fungicidal effect.



- for wipe application
- alcohol-free liquid concentrate
- good cleaning effect at a comparatively low pH value
- disinfection of non-porous, hard, washable (water-resistant) surfaces and things
- concentrate dilution ratio 1:20 (500 ml with 10 liters of water each)
- consumption approx. 1 liter for 100 m<sup>2</sup>

dpvlink 23915

Article	Type
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2900.595.5	<b>Disinfectant Cleaner C concentrate</b> 5 liter canister
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## Empty bottle 1 liter with spray head

- empty bottle for refilling
- with spray head for a fine spray
- with screw cap
- capacity 1 liter
- material: plastic



dpvlink 23960

Article	Type
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2900.LF	<b>Empty bottle 1 liter with screw cap and spray head</b>
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## Antistatic cleaning / coating

### Techspray ESD coating spray



ESD Coating spray

- permanently dissipative coating
- adhesion on many surfaces
  - glass
  - metal
  - plastic
- surface resistance 10<sup>6</sup> to 10<sup>9</sup> Ohm
- can be used at an air humidity of 0 to 100%
- robust and non-flaking
- without silicone
- usable up to 155°C

dpvlink 23499

Article	Type
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TS1756-8S	<b>Techspray ESD coating spray Licron</b>
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### AFC Antistatic foam cleaner

ELECTROLUBE



AFC of antistatic foam cleaner

- Safe on all plastics
- Protects against electrostatic charge
- Biodegradable
- Nonflammable

dpvlink 2608

Article	Type
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AFC200D	AFC Antistatic foam cleaner, 200 ml aerosol can
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AFC400D	AFC Antistatic foam cleaner, 400 ml aerosol can
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### CTC Antistatic foam cleaner

ELECTROLUBE



CTC antistatic foam cleaner

- Long-lasting antistatic protection on glass, plastic and other synthetic materials
- Removes stubborn dirt and soot
- Relatively high pH reduces contact time on metals
- Shake well before using

dpvlink 7572

Article	Type
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CTC400H	CTC Antistatic foam cleaner, 400 ml aerosol can
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### ASA Antistatic spray

ELECTROLUBE



ASA antistatic spray

- Protects against electrostatic charge
- Non-foaming
- Long-lasting effect
- Nonflammable

dpvlink 2611

Article	Type
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ASA250ML	ASA Antistatic spray, 250 ml aerosol can
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## AF Screen Clene wipes



### The ultimate lens and screen cloth

- Ideal for cleaning the most types of glass and plastic lenses, including safety glasses, cameras, binoculars, microscopes, camcorders, and magnifying glasses
- Safe and easy to use
- Economical in use
- Protects against dust and veil formation
- Practically packed in a handy dispenser box
- antistatic, without alcohol, non-flammable

dpmlink 14789

Article Type

SCR100T **Screen Clene wipes**  
100 wipes/dispenser box



# ESD

## Cleaning of PCBs and metal parts

The effective cleaning of PCBs and metal parts does not only increase the reliability of the components, but facilitates also a safe coating.

### Watery cleaning

Water-based products offers the environmentally safest cleaning method and an ideal long-term replacement for ozone-depleting solvents. They are extraordinarily effective, much cheaper than conventional cleaners in comparison with water-based solvents and easy and safe to use, whereas the level of residual dirt is lower than before.

### Solvent-based cleaning

Solvents are quickly evaporating organic substances. The use of solvent-based cleaners may be required if PCBs or units contain unsealed components or water-sensitive devices.

#### Solvents

- Economically friendly
- Very good material compatibility
- Quick volatilization
- Suitable for service and repair work

#### Watery

- Biodegradable
- Non-flammable
- Cost-effective
- Economically friendly
- Very good material compatibility

All the following products are water-based and should not be stored at temperatures below 5°C. Disposal: All products have to be disposed in agreement with the local regulations.

### Wässrige Reinigung

	SWA Safewash Original	SWAJ Safewash Jigwash	SWAS Safewash Super	SWAP Safewash Pressure- wash
Maschinen Typen	Ultraschall	Ja	Ja	★★★★
	Druck-Spülmaschine / In-Line-Reinigung	Nein	Nein	Nein
	Druckumfuten im Tauchbad	Ja	Ja	Ja
	Sieb- und Schablonenreiniger	Nein	Nein	Nein
Schmutzentfernung	Schwere Fette (und organische Stoffe)	★★★	★★★	★★★★
	„No-clean“-Flussmittel	Nein	★★★	★★★★
	Flussmittel / ionische Kontaminationen	★★★	★★★★	★★★★
	Nicht ausgehärtete Pasten	★★★	★★★★	★★★★
	Nicht ausgehärtete Kleber	Nein	Nein	Nein
Andere	Für empfindliche Metalle geeignet	Nein	Ja	Ja
	Spülbarkeit	★★★	★★★★	★★★★
	Wenig schäumend	Nein	Nein	Nein

### Wässrige Reinigung

	SWAT* Safewash Total	SWAX Safewash Xtra	SWMP Safewash Mechanical - Plus
Maschinen Typen	Ultraschall	Ja	Ja
	Druck-Spülmaschine / In-Line-Reinigung	★★★★	Ja
	Druckumfuten im Tauchbad	Ja	Ja
	Sieb- und Schablonenreiniger	Ja	★★★★
Schmutzentfernung	Schwere Fette (und organische Stoffe)	★★★	Nein
	„No-clean“-Flussmittel	★★★★	Nein
	Flussmittel / ionische Kontaminationen	★★★★	★★★★
	Nicht ausgehärtete Pasten	★★★★	★★★★
	Nicht ausgehärtete Kleber	★★★	★★★★
Andere	Für empfindliche Metalle geeignet	Ja	Ja
	Spülbarkeit	★★★★	★★★★
	Wenig schäumend	Ja	Ja

\*Concentrates have to be diluted. You will find further information in the data sheet.

## Lösungsmittel Reinigung

	HFFR	LFPR	FRC	ULS	DGC
	Hexanfreier Flussmittel-entferner	Entferner für bleifreie Flussmittelrückstände	Nicht brennbarer Flussmittel-entferner	Ultraschall-Reinigungs-lösung	Nicht brennbarer Entfetter
<b>Typische Eigenschaften</b>					
Dichte (g/ml)	0.78	0.78	1.33	0.79	1.33
Flammpunkt (°C)	7	0	Keiner*	-20	Keiner*
Siedepunkt (°C)	>80	>80	36	>80	36
Dampfdruck (kPa)	6	11.5	66.1	11.5	66.1
Verflüchtigungsrate (Ether = 1)	11	16	<1	16	<1
MAK (ppm)	300	300	242	300	242
<b>Schmutzentfernung</b>					
Schwere Fette (und organische Stoffe)	★★★★	★★★★	★★★★	★★★★	★★★★
„No-clean“-Flussmittel	★★★★	★★★★	★★★★	Nein	Nein
Flussmittel / ionische Kontaminationen	★★★★	★★★★	★★★★	★★★★	★★★★
Nicht ausgehärtete Pasten	★★★★	★★★★	★★★★	★★★★	★★★★
Nicht ausgehärtete Kleber	Nein	Nein	Nein	Nein	Nein

## Lösungsmittel Reinigung

	IPA	ECSP	ULC	SSS
	Elektronik-Reinigungs-lösung	Elektronik-Reinigungs-lösung - Plus	Ultraschall-Reinigungs-lösung	Sieb- und Schablottenreiniger
<b>Typische Eigenschaften</b>				
Dichte (g/ml)	0.79	0.79	0.79	1.03
Flammpunkt (°C)	12	-48	>60*	>60*
Siedepunkt (°C)	82	36	>173	>100
Dampfdruck (kPa)	4.4	53.3	0.5	1.45
Verflüchtigungsrate (Ether = 1)	6	1.5	66	>50
MAK (ppm)	400	500	300	300
<b>Schmutzentfernung</b>				
Schwere Fette (und organische Stoffe)	★★★★	★★★★	★★★★	Nein
„No-clean“-Flussmittel	Nein	Nein	Nein	Nein
Flussmittel / ionische Kontaminationen	★★★★	★★★★	Nein	Nein
Nicht ausgehärtete Pasten	★★★★	★★★★	★★★★	★★★★
Nicht ausgehärtete Kleber	Nein	Nein	Nein	★★★★

Evaporation rate: the higher the number, the lower the evaporation rate.  
\*classified as not flammable

## SWA Foam cleaner

**ELECTROLUBE**



### SWA cleaning

- For removing grease, dirt and flux
- Fast and efficient foaming
- Biodegradable and 100% ozone friendly

dpvlink 2561

Article	Type
SWA400H	SWA foam cleaner, 400 ml aerosol can



## SWAT Safewash Total

**ELECTROLUBE**



### SWAT Safewash Total

- High reserve capacities for an effective removal of impurities
- Contains no surfactants, easy to rinse
- Nonflammable
- Low foaming and odor formation
- Suitable for a variety of application methods

dpvlink 16404

Article	Type
SWAT05L	SWAT Safewash Total, 5 liter canister



## ECSP Electronics cleaner Plus

**ELECTROLUBE**



### ECSP electronics cleaner plus

- Removes grease, dirt, and the most flux types
- Rapidly evaporating cleaning solution
- Leaves absolutely no residues
- Highly flammable - may not be used on live devices

dpvlink 2535

Article	Type
ECSP200D	ECSP Electronics cleaner Plus, 200 ml aerosol can
ECSP200DB	ECSP Electronics cleaner Plus, 200 ml aerosol can with brush
ECSP400D	ECSP Electronics cleaner Plus, 400 ml aerosol can



**-large container 6 liters available on request-**

## IPA Cleaning solvent

**ELECTROLUBE**



### IPA cleaning solution

- Suitable for the cleaning of all electronic units and PCBs
- Cleans thoroughly and provides a completely dry and residue-free surface
- High-quality IPA for use in electronics
- Efficient and economical in application

dpvlink 2546

Article	Type
IPA400H	IPA Cleaning solvent, 400 ml aerosol can



**- large container 1 / 5 / 25 liters available on request -**

## IPA cleaning cloths

**ELECTROLUBE**



### IPA cleaning cloths

- lint-free cloths, pre-saturated with a mixture of 70% isopropanol and 30% demineralized water
- ideal for general cleaning applications
- removes also solder paste and inks
- degreasing properties
- reclosable

dpvlink 22073

Article	Type	Package size
IPA100	IPA 100 cleaning cloths	100 piece



## ECW cleaning cloths

ELECTROLUBE



### ECW cleaning cloths

- fiber of mixed cellulose and polyester
- very absorbent
- particular tear- and general resistance even in wet state

dpvlink 21883

Article	Type	L [mm]	W [mm]
ECW025	ECW cleaning cloths, 25 cloths/PU	340	340



## EWI IPA cleaning cloths

ELECTROLUBE



### EMI IPA cleaning cloths

- Ideal for cleaning all kinds of plugs
- Provides a temporary, antistatic agent
- Practically packed in individually sealed cloth bags

dpvlink 2544

Article	Type	L [mm]	W [mm]
EWI100	100 cloths/PU	220	230



## CCC Contact cleaner

ELECTROLUBE



### Non-flammable contact cleaner

- non-conductive, with high material compatibility
- instant drying
- almost no odors
- leaves no residues
- delivered with brush and extension tube

dpvlink 22086

Article	Type
CCC200DB	CCC Contact cleaner, 200 ml aerosol



## CCS Contact cleaning strips

ELECTROLUBE



### CCS contact cleaning strips

- Cleans, greases and repairs metal contacts
- High-quality contact lubricant
- Easy to use
- Impregnated, with gentle abrasion

dpvlink 7568

Article	Type
CCS020	Contact cleaning strips (20 pcs/ bag)



## FLU Flux cleaner

ELECTROLUBE



### FLU flux cleaner

- Compatible with most plastics, types of rubber and elastomers
- Leaves a perfectly clean and dry surface
- Very efficient cleaning
- available with brush attachment

dpvlink 2554

Article	Type
FLU200D	FLU Flux cleaner, 200 ml aerosol can
FLU400D	FLU Flux cleaner, 400 ml aerosol can
FLU400DB	FLU Flux cleaner, 400 ml aerosol can with brush



- large container 1 / 5 / 25 liters available on request -

## HFFR Hexane-free flux remover

ELECTROLUBE



### HFFR Hexane-free flux remover

- n-hexane-free
- efficient removal of all flux residues
- harmless to most plastics, rubbers and elastomers
- provides an absolutely clean and dry surface without residues

dpvlink 22084

Article	Type
HFFR400DB	HFFR Hexane-free flux remover, 400 ml aerosol with brush



## LFFR Lead-free flux remover

ELECTROLUBE



### LFFR lead-free flux remover

- Fast drying, solvent-based cleaner for a fast and thorough removal of process residues
- Efficiently in the use of R, RA, RMA and No-clean flux residues
- **For leadfree Einnätze**
- Suitable for the removal of oils and lubricants
- Compatible with most plastics, types of rubber and elastomers
- Results in a perfectly clean and dry surface
- Leaves no oily deposits like other solvents
- 100% ozone friendly, low in odor

dpvlink 7574

Article	Type
LFFR400DB	LFFR Lead-free flux remover, 400 ml aerosol can with brush



## SWAS Safewash Super flux cleaner

ELECTROLUBE



### SWAS Safewash Super flux cleaner

- removes flux residues and No-Clean flux to military cleanliness standards
- low odor
- non-toxic
- suitable for the use stack cleaning systems with ultrasonic bath, dipping bath, and in the spraying machine/dishwasher

dpvlink 21890

Article	Type
SWAS05L	SWAS Safewash Super flux cleaner, 5 liters canister



## Lead-free flux remover pen

Chemtronics



### Lead-free flux remover pen CircuitWorks®

Pen for the exact removal of fluxes from PCBs.

- Removes the lead-free flux completely within seconds
- Can be used also for "previous" fluxes and tins
- Dries quickly
- **For leadfree Einnätze**
- RoHS compliant
- Cleans smallest surfaces on PCB
- Controlled and accurate application by marking dispenser

dpvlink 7761

Article	Type
CW9400	Lead-free flux remover pin 9.0 g



## Flux remover pens CircuitWorks



### CircuitWorks® flux remover pens

Pen for a precise removal of fluxes from PCBs.



- Removes the flux completely within seconds
- Dries quickly
- Cleans smallest surfaces on PCBs
- Controlled and accurate application by marking dispenser

dpvlink 6316



Article	Type
CW9100	Flux remover pen No Clean 9.0 g
CW9200	Rosin flux remover pen 8.0 g

## FLUX-OFF "Lead-free" flux remover



### FLUX-OFF® "Lead-free" flux remover

Flux remover for the cleaning of lead-free fluxes with high temperature



- für Hochtemperatur Einsatz
- Flammable - not for the use in live circuits
- Ozone friendly, CFC-/ HCFC-free
- Quickly drying
- Leaves no residues
- Removes flux from difficult to reach surfaces
- Removes residues of ionic and nonionic fluxes

dpvlink 7759



Article	Type
ES897.BE	FLUX-OFF "Lead-free" flux remover, 200 ml aerosol can with brush (BrushClean)

## FLUX-OFF Water-soluble flux remover



### FLUX-OFF® water-soluble flux remover

Flux remover for cleaning water-soluble and rosin-containing flux.



- Safe to use on plastics
- Flammable - not for the use in live circuits
- Ozone friendly, CFC-/ HCFC-free
- Dries quickly, without leaving any residues
- Removes fluxes of difficult to reach surfaces
- Removes residues of ionic and nonionic fluxes
- Safe to use on water-sensitive components

dpvlink 6313



Article	Type
ES830.BE	FLUX-OFF Water-soluble flux remover, 200 ml aerosol can with brush (BrushClean)

## FLUX-OFF Rosin flux remover



### FLOX-OFF® Rosin Flux Remover

Flux Remover for the cleaning of rosin and rosin-containing No-Clean flux.



- Safe to use on plastics
- Inflammable - not for the use on live circuits
- CFC-free
- Quickly drying, no residues
- Cleans difficult to reach areas

dpvlink 6309



Article	Type
ES835.BE	FLUX-OFF Rosin flux remover, 200 ml aerosol can with brush (BrushClean)

## ULS Ultrasolve



### ULS Ultrasolve

- Removes effectively greases, oils, flux residues and acrylic protective lacquers
- Compatible with most plastics and surface coatings
- Quickly drying solvent for a fast and efficient cleaning of electronic devices
- Leaves a clean, dry surface



dpvlink 2597



Article	Type
ULS12P	ULS Ultrasolve, 5 x 12 ml dispensing pens (PU)

dpvlink 6302



Article	Type
ULS200D	ULS Ultrasolve, 200 ml aerosol can
ULS400D	ULS Ultrasolve, 400 ml aerosol can
ULS400DB	ULS Ultrasolve, 400 ml aerosol can with brush

- large container 1 / 5 / 25 liters available on request -

## SSW Screen / stencil cleaning wipes



### SSW screen / stencil cleaning wipes

- Excellent cleaner for removing solder pastes and adhesives
- leaves a clean, dry and stainless surface
- Size: 200 x 280 mm
- Dispenser box with 100 wipes
- Low odor



dpvlink 2588



Article	Type
SSW100	SSW Screen / stencil cleaning wipes, 100 wipes in dispenser box

## CCRG Protective lacquer remover



### CCRG Protective lacquer remover

- For the removal of solvent-resistant lacquers (including DCA, DCB, DCR and others)
- Dichloromethane-free (DCM)
- thixotropic gel



dpvlink 16392



Article	Type
CCRG01L	CCRG Protective lacquer remover, 1 liter canister

Maintenance aids

**BLV / BLR Screw locking varnish**

**ELECTROLUBE**



**BLV / BLR screw locking varnish**

- Tamper-resistant seal for potentiometers etc.
- With integrated brush
- Available in red and green

dpvlink 2618

Article	Type
BLR15ML	Screw locking varnish Red Bloclube with 15 ml bottle
BLV15ML	Screw locking varnish Green Bloclube with 15 ml bottle



**EAD Compressed air spray**

**ELECTROLUBE**



**EAD compressed air spray**

- Inert, pure compressed air for dust removal, nonflammable
- Ideal for removing particles from inaccessible areas of sensitive devices

dpvlink 2829

Article	Type
EAD200D	EAD Compressed air spray 200 ml aerosol can
EAD400D	EAD Compressed air spray 400 ml aerosol can



**EADPI Compressed air spray**

**ELECTROLUBE**



**EADPI compressed air spray**

- Pure and inert air
- Due to extremely high pressure, impurities are removed easily and quickly
- The overhead function facilitates the cleaning in inaccessible places
- minimum order quantity: 12 pieces

dpvlink 10825

Article	Type
EADPI200D	EADPI Compressed air spray 200 ml aerosol can



**EML Contact cleaner**

**ELECTROLUBE**



**EML contact cleaner**

- Cleans and lubricates switches, plugs and slip rings
- Removes dirt and protects from further pollution
- Reduces the contact resistance
- Generally known as switch cleaner

dpvlink 6326

Article	Type
EML200F	EML Contact cleaner 200 ml aerosol can



**FRE Freezer spray**

**ELECTROLUBE**



**FRE Freezer spray**

- Standard cooling spray for an insensitive troubleshooting in electronic circuits
- Prevents a damage of the components during soldering
- Can support the mechanical process of press-fitting
- Cooling up to -55°C, nonflammable

dpvlink 2625

Article	Type
FRE400	FRE Freezer spray 400 ml aerosol can



**MCF Cooling spray with minimal static charge**

**ELECTROLUBE**



**MCF cooling spray with minimal static charge**

- Suitable for devices sensitive to electrostatic charge
- For a quick troubleshooting in electronic circuits
- A unique additive minimizes electrostatic charge and supports the cooling
- Antistatic protection
- Protection against overheating
- Cooling up to -55°C

dpvlink 7576

Article	Type
MCF200	MCF Cooling spray 200 ml aerosol can
MCF400	MCF Cooling spray 400 ml aerosol can



**SCP Silver conductive paint**

**ELECTROLUBE**



**SCP silver conductive paint**

- Ideal for track repair and accurate shielding
- Extremely conductive silver paint
- Optimal adhesion on most liners
- Dries quickly

dpvlink 2784

Article	Inhalt	Verpackung	VE
<b>SCP Silver conductive paint</b>			
SCP03B	3 ml	Bottle	35
SCP26G	26 g	Container	25



- only complete packaging units (PU) available -

**LRM Label remover**

**ELECTROLUBE**



dpvlink 6303

Article	Type
LRM200D	LRM Label remover 200 ml aerosol can
LRM200DB	LRM Label remover 200 ml aerosol can with brush



- large container 1 liter on demand-

## Contact / Mechanical greasing



- Extends the lifetime of a switch
- Better signal quality
- adjustment of the switch sensation
- Prevents contamination
- silicone-free

**Contact grease** - Developed to create an improved reliability and long-term performance for the electrical and electronic equipment by ensuring a consistent and trouble-free current flow through all metal cut surfaces.

**Mechanical lubricants** - The range contains rust-solving oil, greases and dry lubricant in aerosols, syringes, cans and in large quantities.

### Contact grease CG53A

ELECTROLUBE



#### Contact grease CG53A

- excellent electrical properties
- good plastic compatibility
- particularly good protection under tough conditions
- large operating temperature range

dpwlink 21877

Article	Type
CG53A35SL	35 ml syringe
CG53A01K	1 kg large container



### SGA contact grease 2G

ELECTROLUBE



#### SGA contact grease 2G

- efficient treatment of all types of contacts
- reduces the contact resistance and arcing, from the small relay to high-performance switches
- will not migrate from vertical contacts or surfaces
- available as oil (SOA)

dpwlink 21885

Article	Type
SGA01K	1 kg container



### SGB Contact grease 2GX

ELECTROLUBE



#### SGB contact grease 2GX

- Lubricates switches and electrical contacts
- Reduces the contact wear and the arcing
- Excellent plastic compatibility
- High-quality, not melting contact grease

dpwlink 2648

Article	Type
SGB20S	20 ml syringe
SGB35SL	35 ml syringe
SGB200D	200 ml aerosol can



dpwlink 6304

Article	Type
SGB01K	1 kg can



- large container 5 / 12.5 / 25 kg available on request -

## SOB Contact oil 2X

ELECTROLUBE



### SOB contact oil 2X

- Reduces arcing and thereby the contact wear
- Contact oil for switches and contacts
- Good mechanical properties
- Nonflammable and silicone-free

dpwlink 2650

Article	Type
SOB200D	200 ml aerosol can
SOB01K	1 kg large container



- large container 5 kg available on request -

## Protective lacquers



- UL and MIL approval
- Solvent-resistant and removable lacquers
- Acrylics, silicones, polyurethanes and solvent-free
- UV traces for inspection
- Dilution and protective masks
- Dipping machine

Protective lacquers are special lacquers developed to protect PCBs and the associated equipment against environmental influences. They protect wirings against chemicals, vibrations, humidity, wetness and high temperatures that could cause corrosion, mold formation and current leakage leading to a failure in case of an uncoated PCB.

Protective lacquers improve the reliability and safety of PCBs and offer a life-time efficiency by creating a protective film that insulates the PCB protecting it against environmental influences like chemicals, humidity and other pollutants.

Protective lacquers facilitate a higher current and a shorter distance between the traces as they prevent current leakage.

### Information on the application

#### Cleaning

PCBs have to be cleaned thoroughly before coating so that a maximum of adhesion can be reached. Flux residues have to be removed to prevent corrosion.

#### Environmental regulations

To use at min. 16°C or a relative humidity of 75%. As all PCBs absorb humidity, it has to be removed before coating so that the protective lacquer can completely develop his characteristics. Pre- and vacuum-drying are ideal for his purpose.

#### Film thickness

Depends on the application method.

#### Brushing or spraying

Mix the diluted lacquer well and let it rest for about 2 hours before spraying or brushing. Brush at room temperature with a natural fiber brush.

#### Dip coating

Dip the assemblies vertically. Dwell time approx. 1 minute. Pull them out slowly so that an even film is formed. For draining hang it over the tank.

#### Drying

Most of the protective lacquers have different drying times.

## Schutz-lacke

	AFA	DCA	FSC	HPA	LTC	SC-102	URC	UVCL	WBP/WBPS
Freier Acryllack – Tauchlackier-Version	Modifizierter Silikonbeschichtlack (SCC3)	Wiederentfernbare modifizierter Silikonbeschichtlack	Hochleistung-Acryllack	Niedertemperatur-Beschichtung	Silikonbeschichtung	Hochleistung-Urethanbeschichtung	UV-Agrößerer Beschichtlack	Amiascoat Plus Tauch-/Spritz-Version	
Verfügbare Farben	Klar	Klar / Schwarz / Rote	Klar	Klar	Klar	Klar	Klar	Klar	Klar
Viskosität (in mPa s bei 20°C) (Großgebinde)	175	200	550	300	150	500	240	150	200/80
Flammpunkt (°C) (Großgebinde)	-7	27	27	-7	-3	>90	27	>90	None
Feststoffgehalt (%) (Großgebinde)	35	37	50	35	23	100	43	100	35
Durchschlagsfestigkeit (kV/mm)	45	80	80	45	80	17	80	27	50
Oberflächenwiderstand (Ω)	1 x 10 <sup>10</sup>	1 x 10 <sup>10</sup>	1 x 10 <sup>10</sup>	1 x 10 <sup>10</sup>	1 x 10 <sup>10</sup>	1 x 10 <sup>10</sup>	1 x 10 <sup>10</sup>	7 x 10 <sup>10</sup>	5 x 10 <sup>10</sup>
Temperaturbereich (°C)	-65 bis +125	-70 bis +200	-50 bis +125	-55 bis +130	-65 bis +130	-65 bis +200	-40 bis +130	-65 bis +135	-60 bis +125
Berührungstrocken nach (in Minuten bei 20°C)	5-10	50-55	10-15	10-15	10-15	<10	15	-	25-35
Aushärtezeit (in Stunden bei 20°C)	24	2 @ 20°C 5.2 @ 80°C	24	24	24	24	24	-	24
Lösungsmittelbeständigkeit	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Feuchtigkeitsbeständigkeit	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Beständigkeit gegen Schimmelbildung	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Verdüner	FTH	DCT	DCT	UAT	LTCT	k.A.	LOT	k.A.	DI Wasser
UV-Marker	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja	Ja
Zulassungen	IPC-CC-830, UL746, (E140) BMW GS95011-5	UL746	IEC61096, UL746	MIL-I-46058C	(E140) BMW GS95011-5, IPC-CC-830, IEC61096	(E140) IPC-CC-830	(E140) IPC-CC-830	(E140) BMW GS95011-5, IPC-CC-830	

## Schutz-lacke

	2K100	2K300	2K500	FPC
	Hochleistung Moenstofffreie Urethan	Hochleistung Moenstofffreie Urethan	Hochleistung Moenstofffreie Urethan	Ultra-dünne Beschichtung
Verfügbare Farben	Klar	Klar	Klar	Klar
Viskosität (in mPa s bei 20°C) (Großgebinde)	2000	1500	1000	2
Flammpunkt (°C) (Großgebinde)	>100	>100	>100	>90
Feststoffgehalt (%) (Großgebinde)	100	100	100	2
Durchschlagsfestigkeit (kV/mm)	90	90	90	90
Oberflächenwiderstand (Ω)	2 x 10 <sup>10</sup>	2 x 10 <sup>10</sup>	5 x 10 <sup>10</sup>	1 x 10 <sup>10</sup>
Temperaturbereich (°C)	-40 bis +100	-40 bis +130	-40 bis +140	-40 bis +200**
Berührungstrocken nach (in Minuten bei 20°C)	240	240	240	1-5
Aushärtezeit (in Stunden bei 20°C)	10 mins @ 80°C	10 mins @ 80°C	10 mins @ 80°C	24
Lösungsmittelbeständigkeit	★★★★	★★★★	★★★★	★★★★
Feuchtigkeitsbeständigkeit	★★★★	★★★★	★★★★	★★★★
Beständigkeit gegen Schimmelbildung	★★★★	★★★★	★★★★	★★★★
Verdüner	k.A.	k.A.	k.A.	HFS
UV-Marker	Ja	Ja	Ja	Ja
Zulassungen	(E140) BMW GS95011-5, IPC-CC-830	Erlaubt IPC-CC-830	IPC-CC-830, BMW GS95011-5	Erlaubt UL746

\*The SCC3 assortment can also cure at room temperature - in this case, however, the solvent resistance is lower.

For further information see the technical data sheet.

\*\*depend on application and geometry  
2K100, 2K500, UVCL, AFA, LTC and DCA have passed successfully the qualification of the BMW Group Standards GS95011.5

## DCA/ DCR Transparent protective lacquer SCC3

ELECTROLUBE



### DCA/DCR of transparent protective lacquer SCC3

- Resistant to most solvents
- Can be soldered through for reprocessing
- UL standard certified
- Suitable red version (DCR) suitable for camouflage

dpvlink 2717



Article Type

DCA200H transparent, 200 ml aerosol can  
DCR200H red, 200 ml aerosol can

dpvlink 7579



Article

DCA01L transparent, 1 liter container  
DCA05L transparent, 5 liter container  
DCR05L red, 5 liter container

- Thinner elastomer gel DRG available on request-

## DCT diluent for protective lacquers without acrylic

ELECTROLUBE



DCT diluent for protective lacquers without acrylic

- can be applied to dilute non-acrylic protective lacquers when applying by dipping or spraying method
- normal dilution rate for spraying method is 2 parts lacquer to 1 part diluent

dpvlink 21880



Article Type

DCT05L 5 liters canister

## CPL Protective and soldering lacquer

ELECTROLUBE



### CPL protective and soldering lacquer

- Universal protective lacquer for printed circuit boards
- An optimal corrosion protection for ferrous metals
- Good resistance to moisture
- Lacquer can be soldered through
- no UV trace
- can be used as top layer for conductive varnishes

dpvlink 2684



Article Type

CPL200H 200 ml aerosol can

- large container 5 liters available on request -

## AFA acrylic coating

ELECTROLUBE



### AFA acrylic coating

- free from toluene and xylene
- UV trace to aid inspection
- Wide operating temperature range
- Excellent dielectric properties
- High resistance in humid environment and against salt mist

dpvlink 20340



Article Type

AFA200 Acrylic protective coating spray can 200 ml

## HCS Thermal cure silicone-based protective coating ELECTROLUBE



### HCS Thermal cure silicone-based protective coating

- flexible coating, low mechanical stress on components
- quick and complete curing (10 minutes at 105°C)
- low odor and good adhesion
- fulfills the requirements of UL94 V-0

dpvlink 22335

Article	Type	Volume
HCS05L	HCS Thermal cure silicone-based protective coating	5 l



## HPA Conformal Coating ELECTROLUBE



### HPA Conformal Coating

- Excellent dielectric strength and a wide temperature range (-55° to 130°C)
- With UV trace for an easier control
- Can be removed with solvents such as Ultrasolve (ULS)
- Certified according to US MIL-1-46058C
- large container 1/5 liters and thinner available on demand

dpvlink 2700

Article	Type
HPA200H	200 ml aerosol can



## APL Acrylic lacquer ELECTROLUBE



### APL acrylic lacquer

- Lacquer may be soldered through, allows a simple repair
- Wide temperature range and good dielectric strength
- Offers excellent adhesion on all substrates
- UV trace for control
- Can be removed with solvents such as Ultrasolve (ULS)
- Large container 5 liters and thinner available on demand

dpvlink 2671

Article	Type
APL15ML	15 ml bottle
APL400H	400 ml aerosol can



## PUC Polyurethane protective lacquer ELECTROLUBE



### PUC polyurethane protective lacquer

- Excellent abrasion resistance and mechanical strength
- resistant mold growth
- excellent adhesion in any climatic conditions
- UV trace for an easier control
- Clear

dpvlink 7582

Article	Type
PUC400	400 ml aerosol can



## WBP/WBPS Aquacoat Plus ELECTROLUBE



### WBP / WBPS Aquacoat plus

- Protective lacquer based on water and polymer materials especially developed for electronic circuits
- Excellent dielectric properties
- Excellent adhesion on a wide range of substrates
- Very low VOC content
- Leaves a UV trace for an easy control
- Large working temperature range
- Mold-resistant
- Economically friendly

dpvlink 7586

Article	Type
WBP05LS	WBPS, 5 liter container (sprayable)



## P.C. Flex Mask

P.C. Flex Mask is a solder resist mask made of latex rubber without solvent additives used for the protection of contacts, switches, connectors, plated-through holes and bare places on PCBs during the soldering process. It is also suitable for protecting electronic components against the contact with fluxes and cleaning agents. Afterwards, the mask can be easily peeled off and leaves no residues.



### Technical data:

- Active ingredients: natural latex rubber
- Solid content: 63%
- Odor: slight odor of ammonia
- State: thixotrope paste
- Flashpoint: noninflammable
- Cure time at room temperature: approx. 40 min
- Cure time at 60°C: approx. 15 min
- Removability: 100 %
- Heat resistance: 268°C during soldering
- Durability (unopened) about 6 months

dpvlink 12251

Article	Type
C-330.202	P.C. Flex Mask, 237ml
C-330.204	P.C. Flex Mask, 3,8l



## PCM Peelable solder resist mask ELECTROLUBE



### PCM peelable solder resist mask

- Suitable for the use in the wave soldering process, does not peel off any solder when being removed
- Flexible latex for component cover
- Completely peelable by hand without leaving residues
- Solvent-resistant
- Pollutes no protective lacquers
- Dries at room temperature
- High film strength, hard to break

dpvlink 2751

Article	Type
PCM250ML	250 ml dispenser



## PCS Ammonia-free peelable protective mask ELECTROLUBE



### PCS peelable protective mask

- Protection for coating and wave soldering processes
- **100% bleifrei Einsatz**
- Synthetic, flexible
- Ammonia-free, no odor
- Accelerated curing by heat
- Can be removed by hand without leaving any residue
- No discoloration caused by ammonia
- Improved durability

dpvlink 10034

Article	Type
PCS250ML	250 ml dispenser bottle



## CHEMASK Peelable solder resist mask Chemtronics



### CHEMASK® peelable solder resist mask

- Nonadhesive drying within 30 minutes
- Ideal for connectors, contacts, etc.
- Simple use - just peel off the dry mask
- Latex-based, peelable without leaving any residues
- Dispenser bottle with dispensing tip

dpvlink 6307

Article	Type
CLF8E	250 ml dispenser bottle LEAD-FREE
CM8E	250 ml dispenser bottle



## Thermally conductive products

Thermal compounds are used for the heat dissipation in electronic and related equipment to ensure an effective function.

Most components have a maximum effective operating temperature. Exceeding that temperature can lead to two main problems:

- Increased failure rates
- Change of the electrical properties

The generated heat in the components is normally dissipated by the use of metals that may be shaped to create large surface areas (heat sinks). Usually the hot component is mechanically attached to the metal. The problem is that there will always be an air space between the surfaces.

As air is a bad heat conductor, this air space will considerably reduce the heat dissipation rate. Attaching a flexible and thermally conductive material fills the space completely and excludes the air. These products have excellent heat transfer properties, whereas the heat flows from the component into the metal body as fast as possible.

The range includes:

### Heat transfer compounds

The most common pastes are silicone-based and have excellent stability at high temperatures.

The silicone-free pastes offer all advantages of silicone-based materials, eliminate, however, the risk of contamination by migrating free silicones causing the failure of a switch or a bad adhesion of coatings and protective films.

### Epoxy resins

These two-part thermally conductive resin systems offer manufacturers a permanent mechanical adhesion between the component and the heat sink. That is why no mechanical fastening parts are needed. As PCBs are getting more complex and more powerful, the problem of heat generation must be treated in a careful way to ensure an optimum effectiveness and an increased life expectancy of the components. The use of these thermally conductive products offer an extremely cost-effective and efficient solution of the problem.

\*RTVs need air humidity for curing. Higher temperature are only recommended if there is sufficient high humidity.

\*\*These information should be considered as standard values only.

## Wärmeleitprodukte

	HTCX	HTCP	HTCPX	HTS	HTSP
	Silikonfreie Wärmeleitpaste Xtra	Silikonfreie Wärmeleitpaste Plus	Silikonfreie Wärmeleitpaste Plus Xtra	Silikonhaltige Wärmeleitpaste	Silikonhaltige Wärmeleitpaste Plus
Wärmeleitfähigkeit (W/m.K)	1.35	2.50	3.40	0.90	3.00
Dichte (g/ml)	2.61	3.00	3.10	2.10	3.00
Viskosität (mPa s)**	130,000	105,000	640,000	210,000	45,000
Aushärtezeit (in Stunden bei 20°C / 60°C)	k. A.	k. A.	k. A.	k. A.	k. A.
Temperaturbereich (°C)	-50 to +130	-50 to +130	-50 to +130	-50 to +200	-50 to +200
Gewichtsverlust durch Verflüchtigung (96 Stunden bei 100 °C nach IP-183)	±0.40%	±1.00%	±1.00%	±0.60%	±0.80%
Durchschlagsfestigkeit (kV/mm)	42	42	42	18	18
Spezifischer Durchgangswiderstand (Ω*cm)	1 x 10 <sup>14</sup>	1 x 10 <sup>14</sup>	1 x 10 <sup>14</sup>	1 x 10 <sup>13</sup>	1 x 10 <sup>13</sup>

## Wärmeleitprodukte

	TCOR	ER2220	ER2221	UR5633	SC2003
	Wärmeleitfähiger RTV	Zweikomponenten-Epoxydharz	Zweikomponenten-Epoxydharz	Zweikomponenten-Polyurethanharz	Zweikomponenten-Silikonharz
Wärmeleitfähigkeit (W/m.K)	1.80	1.54	1.20	1.24	0.80
Dichte (g/ml)	2.30	2.22	1.88	1.65	1.60
Viskosität (mPa s)**	145,000	15,000	3,000	30,000	30,000
Aushärtezeit (in Stunden bei 20°C / 60°C)	24'	24/4	24/2	24/4	24/1
Temperaturbereich (°C)	-50 to +230	-40 to +130	-40 to +150	-50 to +125	-60 to +200
Gewichtsverlust durch Verflüchtigung (96 Stunden bei 100 °C nach IP-183)	N/A	N/A	N/A	N/A	N/A
Durchschlagsfestigkeit (kV/mm)	>8	10	17.7	18	20
Spezifischer Durchgangswiderstand (Ω*cm)	1 x 10 <sup>14</sup>	1 x 10 <sup>13</sup>	1 x 10 <sup>14</sup>	1 x 10 <sup>14</sup>	1 x 10 <sup>14</sup>

\*RTVs need air humidity for curing. Higher temperature are only recommended if there is sufficient high humidity.

\*\*These information should be considered as standard values only.

### GP 300 Thermal conductive film

ELECTROLUBE



#### GP 300 Thermal conductive film

- 200 x 200 mm thermal conductive film
- different thicknesses available
- quick and easy treatment
- very well electrical insulation
- large operating temperature range -50°C - 160°C
- thermally conductive, 3W/m K

dpvlink 22044

Article	Type
GP300S	Thermal conducting film 200 x 200 x 0.5 mm
GP300SL	Thermal conducting film 200 x 200 x 1 mm



### TBS Thermally conductive adhesive

ELECTROLUBE



#### TBS thermally conductive adhesive

- By forming a permanent adhesive binding a mechanical fastening is unnecessary
- Two-component adhesive
- Very good thermal conductivity (1.1 W/mK)

dpvlink 2814

Article	Inhalt	Verpackung	Stück/VE
TBS20S	20 ml	Syringe	10



- only complete packaging units (PU) available -

### HTC / HTCP Silicone-free thermally conductive paste

ELECTROLUBE



#### HTC/HTCP silicone-free thermally conductive paste

- Excellent non-creep properties
- Silicone-free thermally conductive paste
- Thermal conductivity: HTC = 0.9 W/mK, HTCP = 2.5 W/mK
- Easy and economical in use

dpvlink 2788

Article	Type	Packaging type	PU
HTC02S	Thermally conductive paste HTC02S	2 ml syringe	10 piece
HTC10S	Thermally conductive paste HTC10S	10 ml syringe	1 piece
HTC20S	Thermally conductive paste HTC20S	20 ml syringe	1 piece
HTC35SL	Thermally conductive paste HTC35SL	35 ml syringe	1 piece
HTC700G	Thermally conductive paste HTC700G	700 g cartridge	1 piece
HTCP20S	Thermally conductive paste HTCP20S	20 ml syringe	1 piece
HTC01K	Thermally conductive paste HTC01K	1 kg container	4 piece



## HTCX/ HTPCX Silicone-free thermally conductive paste Xtra

ELECTROLUBE



### HTCX/HTPCX silicone-free thermally conductive paste

- Excellent non-creep properties
- Thermal conductivity: HTPCX = 3.40 W/mK, HTPCX = 2.28 W/mK
- Very low weight loss by evaporation of the used carrier oil
- Easy and economical in use

dpvlink 16399



Article	Type	Packaging type	PU
HTCPX700G	Thermally conductive paste HTPCX700G	700 g cartridge	1 piece
HTCX35SL	Thermally conductive paste HTPCX35SL	35 ml syringe	10 piece
HTCX01K	Thermally conductive paste HTPCX01K	1 kg container	4 piece
HTCX700G	Thermally conductive paste HTPCX700G	700 g cartridge	1 piece

## HTS / HTSP Silicone-based thermally conductive compound

ELECTROLUBE



### HTS / HTSP Silicone-containing thermally conductive compound

- Excellent non-creep properties
- Silicone-based thermal conductive compound
- Thermal conductivity: HTS = 0.9 W/mK, HTSP = 3.0 W/mK
- Large temperature range
- low loss in weight due to evaporation
- economical and easy to use

dpvlink 2806



Article	Type	Packaging type	PU
HTS10S	Thermally conductive compound HTS10S	10 ml syringe	24 piece
HTS35SL	Thermally conductive compound HTS35SL	35 ml syringe	10 piece
HTS01K	Thermally conductive compound HTS01K	1 kg container	4 piece
HTSP50T	Thermally conductive compound HTSP50T	50 ml tube	1 piece
HTSP01K	Thermally conductive compound HTSP01K	1 kg container	4 piece

- only complete packaging units (PU) available -

## TCER / TCOR Thermally conductive rubber

ELECTROLUBE



### TCER /TCOR thermally conductive rubber

- High thermal conductivity TCER 2.2 W/mK, TCOR: 1.8 W/mK
- Wide temperature range from -50°C to + 230°C
- Cures in 24 hours at room temperature
- Silicone thermally conductive rubber

dpvlink 7591



Article	Type
TCOR75S	75 ml cartridge TCOR75S
TCRGUN	Dispensing gun for TCOR75S

-700 g cartridge available on request-

## Potting compounds



- UL approved
- Encapsulation and potting
- Seals, cable connection
- Protection and sealing

The potting compounds systems are designed to insulate and protect electrical and electronic components from the dangers of a rough and challenging environment, moisture, vibration, thermal and physical shocks, as well as general pollution.

Potting compounds can form a complete barrier against environmental influences, a complete insulation of assembly parts and are better suited for the operation under extreme conditions than protective lacquers.

Potting compound types used in the electronics industry are epoxy resin and polyurethane.

Further information about potting compounds is available in our online shop.

### Epoxy potting compound

ELECTROLUBE

Epoxidharze	ER2188	ER2074	ER2183
Farbe (vermishtes System)	Schwarz	Weiß	Schwarz
Dichte in ausgehärtetem Zustand (g/ml)	1.69	2.09	1.95
Viskosität des vermishten Systems (in mPa s bei 23°C)	9000	16700	5000
Mischverhältnis nach Gewicht (nach Volumen)	11:1 (5.5 : 1)	17.31 : 1 (7.23 : 1)	12.78 : 1 (5.58 : 1)
Topfzeit (in Minuten bei 23°C)	60	90	120
Gelzeit (in Minuten bei 23°C)	150	300	420
Aushärtezeit (in Stunden bei 23°C / 60°C)	24/2	24/4	24/4
Wärmeleitfähigkeit (W/m.K)	0.91	1.26	1.25
Temperaturbereich (°C)	-40 bis +120	-40 bis +130	-40 bis +130
Höchsttemperatur – kurzfristig (°C)	+140	+150	+150
Durchschlagsfestigkeit (kV/mm)	10	10	10
Spezifischer Durchgangswiderstand (Ω*cm)	10 <sup>14</sup>	10 <sup>15</sup>	10 <sup>15</sup>
Shore-Härte	D85	D80	D90
Flammenhemmung	V-0	V-0	V-0
UL94-Zertifizierung	Ja	Nein	Nein
RoHS konform	Ja	Ja	Ja

dpvlink 2819



Article	Type
ER2074RP250G	<b>Epoxy potting compound ER2074RP250G, 250 g packing</b> Thermally conductive, flame-retardant, without abrasive filling agent, color: white, PU = 10 pieces <b>Application example:</b> Potting of printed circuit boards, generators, current transformers, temperature sensors
ER2074K5K	<b>Epoxy potting compound ER2074K5K, 5kg container</b> PU = 1 piece
ER2188RP250G	<b>Epoxy potting compound ER2188RP250G, 250 g packing</b> DDM-free, flame-retardant, all purpose of potting resin, UL94V-0-certified, color: black, PU = 10 pieces <b>Application example:</b> Potting and encapsulation applications where flame retardancy is required
ER2188K5K	<b>Epoxy potting compound ER2188K5K, 5kg container</b> PU = 1 piece

dpvlink 2819



Article	Type
ER2183RP250G	<b>Epoxy potting compound ER2183RP250G, 250 g packing</b> Alternative to ER2074RP250G with low viscosity, improved machine mix and output Color: black, PU = 10 pieces <b>Application example:</b> ABS systems, pressure sensors, temperature sensors, performance elements
ER2183K5K	<b>Epoxy potting compound ER2183K5K, 5kg container</b> PU = 1 piece

- only complete packaging units (PU) available -

## Polyurethane potting compounds

ELECTROLUBE

Polyurethanharze	UR5041	UR5048	UR5044	UR5528
Farbe (vermishtes System)	Schwarz	Klar bernsteinfarben	Dunkelblau	Schwarz
Dichte in ausgehärtetem Zustand (g/ml)	1.18	0.95	1.58	1.07
Viskosität des vermishten Systems (in mPa s bei 23°C)	2500	980	3400	2000
Mischverhältnis nach Gewicht (nach Volumen)	3.6:1 (3.9:1)	14:1 (19:1)	13.4:1 (11.7:1)	2.4:1 (2.9:1)
Topfzeit (in Minuten bei 23°C)	20	20	25	20
Geliezeit (in Minuten bei 23°C)	60	40	40	35
Aushärtezeit (in Stunden bei 23°C / 60°C)	24/2	24/4	24/3	24/5
Wärmeleitfähigkeit (W/m.K)	0.25	0.20	0.60	0.25
Temperaturbereich (°C)	-60 bis +125	-60 bis +100	-70 bis +120	-50 bis +125
Höchsttemperatur – kurzfristig (°C)	+130	+100	+130	+130
Durchschlagsfestigkeit (kV/mm)	20	18	17.7	25
Spezifischer Durchgangswiderstand (Ω•cm)	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>11</sup>
Shore-Härte	A85	A12	A40	D75
Flammhemmung	-	-	V-0	-
UL94-Zertifizierung	Nein	Nein	Ja	Nein
RoHS konform	Ja	Ja	Ja	Ja

Epoxidharze	UR5097	UR5547	UR5608
Farbe (vermishtes System)	Schwarz	Schwarz	Schwarz
Dichte in ausgehärtetem Zustand (g/ml)	1.49	1.60	1.59
Viskosität des vermishten Systems (in mPa s bei 23°C)	6000	4000	2000
Mischverhältnis nach Gewicht (nach Volumen)	7.46 : 1 (6.01 : 1)	5.5 : 1 (4:1)	6.93 : 1 (5.18 : 1)
Topfzeit (in Minuten bei 23°C)	20	20	50 - 100
Geliezeit (in Minuten bei 23°C)	80	50	90 - 240
Aushärtezeit (in Stunden bei 23°C / 60°C)	24/4	24/3	24/3
Wärmeleitfähigkeit (W/m.K)	0.65	0.65	0.78
Temperaturbereich (°C)	-40 bis +110	-50 bis +120	-40 bis +135
Höchsttemperatur – kurzfristig (°C)	+130	+125	+145
Durchschlagsfestigkeit (kV/mm)	18	14	18
Spezifischer Durchgangswiderstand (Ω•cm)	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>11</sup>
Shore-Härte	A85	A85	D50
Flammhemmung	V-0	V-0	V-0
UL94-Zertifizierung	Ja	Nein	Ja
RoHS konform	Ja	Ja	Ja

dpvlink 2824



Article	Type
UR5044RP250G	<b>Polyurethane potting compound UR5044RP250G, 250g packing</b> Flame-retardant, very flexible, low shore-hardness Color: blue, PU = 10 pieces <b>Application:</b> Replacement for silicone, control units for shock absorbers, vibrations, prototypes
UR5044K5K	<b>Polyurethane potting compound UR5044K5K, 5kg container</b> PU = 1 piece
UR5048RP250GE	<b>Polyurethane potting compound UR5048RP250GE, 250g packing</b> Repairable, transparent potting compound allows a quick troubleshooting, water-repellent Color: transparent, PU = 10 pieces <b>Application example:</b> Encapsulation of sensitive components like ferrites, coils and glass reed switches

UR5048K5K	<b>Polyurethane potting compound UR5048K5K, 5kg container</b> PU = 1 piece
UR5097RP250G	<b>Polyurethane potting compound UR5097RP250G, 250g packing</b> Low flexible, flame-retardant resin, high water resistance and very good electrical properties, can be used as replacement for silicone. Color: black, PU = 10 pieces <b>Application example:</b> Cable connectors, coils, switches, sensors, gears, transformers, relays etc.

UR5097K5K	<b>Polyurethane potting compound UR5097K5K, 5kg container</b> PU = 1 piece
UR5608RP250G	<b>Polyurethane potting compound UR5608RP250G, 250g package</b> Low flexible, flame-retardant PU with high hardness, chemical and adhesive properties, low coefficient of expansion, high thermal conductivity, can be used as alternative for epoxy resin. Color: black, PU = 10 pieces <b>Application example:</b> Cable connectors, PCBs, transformers, connectors, ignition coils, alarms etc.

UR5041RP250G	<b>Polyurethane potting compound UR5041RP250G, 250g package</b> Low level of water absorption, high resistance to sea water, good adhesive properties on substrates Color: black, PU = 10 pieces <b>Application example:</b> Coating in harsh maritime environments
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UR5041K5K	<b>Polyurethane potting compound UR5041K5K, 5kg container</b> PU = 1 piece
UR5528RP250G	<b>Polyurethane potting compound UR5528RP250G, 250g package</b> Water-repellent, tough and elastic, excellent adhesive properties on difficult substrates, low viscosity, excellent resistance to acids, alkalis and other aqueous substances. Color: black, PU = 10 pieces <b>Application example:</b> PVC, ceramic, moist environment

UR5528K5K	<b>Polyurethane potting compound UR5528K5K, 5kg container</b> PU = 1 piece
UR5547RP500G	<b>Polyurethane potting compound UR5547RP500G, 500g package</b> Flame-retardant resin, exerts very little pressure even after curing Color: black, PU = 10 pieces <b>Application example:</b> Encapsulation of sensitive components such as ferrites, ideal for ceramics

- only complete packaging units (PU) available -

## Silicone resin potting compound

**ELECTROLUBE**

Epoxidharze	SC4003E
Farbe (vermishtes System)	Schwarz
Dichte in ausgehärtetem Zustand (g/ml)	1.43
Viskosität des vermishten Systems (in mPa s bei 23°C)	3500
Mischverhältnis nach Gewicht (nach Volumen)	1 : 1 (1 : 1)
Topfzeit (in Minuten bei 23°C)	45
Geliezeit (in Minuten bei 23°C)	180
Aushärtezeit (in Stunden bei 23°C / 60°C)	24/(N/A)
Wärmeleitfähigkeit (W/m.K)	0.7
Temperaturbereich (°C)	-60 bis +200
Höchsttemperatur – kurzfristig (°C)	+220
Durchschlagsfestigkeit (kV/mm)	22
Spezifischer Durchgangswiderstand (Ω•cm)	10 <sup>14</sup>
Shore-Härte	A75
Flammhemmung	V-0
UL94-Zertifizierung	Nein
RoHS konform	Ja

### SC4003

SC4003E is a two-component silicone casting resin for the protection of electronic devices. It offers a wide temperature range and is very suitable for applications requiring operating temperatures of up to 200°C.

**dpvlink 16391**

Article Type



SC4003ERP250G **Silicone potting compound SC4003, 250 g pack**

**- only complete packaging units (PU) available -**

## Resin remover

**ELECTROLUBE**

**dpvlink 16266**

Article Type



**RRS05L Resin remover**  
5 liter canister, quickly evaporating solvent, removes hardened epoxies and polyurethanes, without methylene chloride

# Soldering Desoldering



## Soldering technology Weller

Soldering Stations	588
Desoldering stations	594
Hot-air devices	600
Hot-air nozzles	601
Soldering irons / Accessories	603
Automatic wire feeder	611
Soldering / Desoldering tips	611
Suction / desoldering nozzles	617

## Soldering technology JBC

JBC Compact Line soldering station	618
JBC Premium Line soldering station	619

## Hot-air devices Leister

HOT-JET S	619
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## Soldering accessories

Soldering tip cleaner	620
Desoldering braids	621
Other accessories	622
Lead-free labels	623

## Covering material

Solder stop mask	623
Heat-resistant polyimide adhesive tapes	624

## Solder fume extraction

Solder fume extraction	625
Soldering iron with fume extraction	627
Fume extraction for soldering tips	628
Fume extraction for volume extraction	629

## Solder metals / pastes

Solder bars	636
Soldering wires	637
Solder pastes	638
Flux Pen	639
Flux remover	641

## WXSmart Soldering station

The all-in-one hand soldering platform WXSmart provides maximum connectivity and traceability. Being the best connected, monitored and secured hand soldering solution in the world, WXSmart represents the future of soldering.



### WXSmart Supply unit 230V



#### Supply unit digital 300 W

All-in-one soldering station for every soldering task and challenge



- CONNECTIVITY**  
 Maximum connectivity and conformity with IoT standards for a full traceability and simple remote access via mobile devices.
- INTELLIGENCE**  
 This all-in-one soldering station acts as brain of the workbench - by combining all soldering tasks in one station. The platform supports Smart Soldering 4.0 with intelligent soldering tips and tools saving cost, time and space.
- SECURITY**  
 First system with integrated cyber security preventing expensive downtimes.
- CONTROL**  
 Total Process Control (TPC) ensuring complete control during the entire soldering process from tip to station.
- INTUITIVE**  
 Weller's WXSmart station introduces a completely new, very intuitive user interface. With 4 quick wipes the operator can easily navigate through the soldering stations, saving costs and time.
- ESD-SAFE**  
 Only Weller offers a completely ESD-safe soldering platform. The large patented 4.3-inch TFT color glass touchscreen is the only screen in the soldering market that is really ESD-safe and heat-resistant.

#### Technical data:

Dimensions (mm):	175 x 154 x 144 (L x W x H)
Weight:	approx. 4.78 kg
Supply voltage:	230 V, 50 Hz
Power consumption:	300 W
Temperature range:	adjustable 200° C - 850°, depending on tool
Temperature accuracy / temperature stability:	± 9° C / ± 2° C

dpvlink 26822

Article	Type
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534.516.99	<b>WXSmart Supply unit 230V</b> 300 W, 2 soldering channels, 1 air and 1 vacuum channel
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## WXair Rework module



Worldwide first self-contained 2-in-1 rework module with integrated high-power vane pump



- WXair upgrades a WXSmart soldering station to a full all-in-one rework station
- Optional foot switch activation for a smooth workflow
- Exchangeable filters extends the life time of the pump
- Tool compatibility:  
 Weller desoldering iron WXDP 120 with 120 W for horizontal use  
 Weller desoldering iron WXDV 120 with 120 W for vertical use  
 Hot air iron WXHAP 200 with 200 W
- Backwards compatibility for maximum flexibility
- ESD-safe  
 The WXair rework module and all connected tools are completely ESD-safe

#### Technical data:

Dimensions (mm):	195 x 154 x 87 (L x W x H)
Weight:	approx. 1.28 kg
Supply voltage:	230 V, 50 Hz
Power consumption:	70 W
Flow rate l/min:	18
Vacuum:	70 kPa

dpvlink 26826

Article	Type
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534.526.99	<b>WXair Rework module</b> 1 air and 1 vacuum channel
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## Soldering irons WXSmart series



Powerful, user-friendly soldering irons for maximum performance with heavy-duty soldering applications

Compatible with Weller WXSmart soldering station

- Low power consumption due to motion sensor
- Save individual soldering processes with integrated parameter memory
- Precise and quick heat transfer and fast recovery time
- Maximum protection: (IPC industry standards)

#### WXMPS MS

- Perfect for Pico, Micro and standard soldering applications from smallest to standard component sizes
- Fast and easy exchange of RTMS/RTPS MS soldering tips

#### WXUPS MS

- Perfect for heavy duty soldering applications (component sizes 1612 and bigger (XL to XXL))
- Fast and easy exchange of RTUS MS soldering tips

dpvlink 26830

Article	Type
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529.236.99	<b>WXMPS MS Soldering iron</b> Hand piece without soldering tip Suitable soldering tips RTMS/RTPS MS
529.235.99	<b>WXUPS MS Soldering iron</b> Hand piece without soldering tip Suitable soldering tips RTUS MS



All soldering tips of the series RTMS MS, RTPS MS and RTUS MS are online available

## WT soldering station

The high-performance WT soldering stations set new standards in user-friendliness. The detailed LC display provides an unprecedented overview of all functions quickly and easily to reach by means of the new user-friendly menu button.

The very quick change process of the heating element during operation allows you to work efficiently with several tips in quick succession. If a tip has to be changed, this is possible regardless of the heating element - which saves enormous costs. The innovative 2-in-1 safety rest with rotating iron holder permits to choose between wet and dry cleaning.

All stations of the WT line fit perfectly onto one another saving considerable space at the workstation.

### WT 1 Supply unit



#### High-performance supply unit digital with quick-change system

Intelligent soldering station with backwards compatibility for soldering irons of the soldering stations WSD and WD



- High productivity (1-channel supply unit)
- Multilingual display and menu navigation in 7 languages (D, GB, F, I, ES, P, CN)
- Graphic LC display, backlit
- Intuitive operation due to a clear menu navigation
- low space requirement due to its stackability
- Automatic switch-off with integrated use sensor in the tool
- A variety of tools connectable (all soldering irons of the soldering stations WSD and WD - except micro-soldering irons)
- Housing cover as additional storage surface
- ESD safe

#### Technical data:

Dimensions (mm):	149 x 138 x 101 (L x W x H)
Weight:	approx. 1.9 kg
Supply voltage:	230 V, 50 Hz
Power consumption:	95 W
Temperature:	adjustable temperature range 40° C - 550° C depending on tool
Temperature accuracy / temperature stability:	± 9° C / ± 2° C
Potential equalization:	via 3.5 mm jack socket
Housing material:	Aluminium base with antistatic black coating; antistatic plastic housing

#### dpvlink 19954

Article	Type
534.346.99	<b>WT 1 Supply unit</b> 1-channel supply unit, 95 W, temperature range (depending on tool) 50 - 450°C, incl. power cable



### WT 1010 Set soldering station



Work Bench Controller soldering station digital 95 W, soldering iron WTP 90 with Power-Response heater technology



#### consisting of:

534.346.99	WT 1	Supply unit (1 channel, 95 Watt)
529.222.99	WTP 90	High-Power soldering iron with soldering tip XNT A
515.174.99	WSR 200	Safety rest

#### dpvlink 19959

Article	Type
534.366.99	<b>WT 1010 set soldering station</b>



### WT 1012 Set soldering station



Work Bench Controller soldering station digital 95 W, soldering iron WSP 80 with Power-Response heater technology



#### consisting of:

534.346.99	WT 1	Supply unit (1 channel, 95 Watt)
529.161.99	WSP 80	High-Power soldering iron with soldering tip LT B
515.175.99	WSR 201	Safety rest

#### dpvlink 19968

Article	Type
534.406.99	<b>WT 1012 set soldering station</b>



### WT 1013 Set soldering station



Work Bench Controller soldering station digital 95 W, soldering iron WP 80 with Power-Response heater technology



#### consisting of:

534.346.99	WT 1	Supply unit (1 channel, 95 Watt)
529.180.99	WP 80	High-Power soldering iron with soldering tip LT B
515.175.99	WSR 201	Safety rest

#### dpvlink 19971

Article	Type
534.416.99	<b>WT 1013 set soldering station</b>



## WT 1014 Set soldering station



Work Bench Controller soldering station digital 95 W, soldering iron WSP 80 robust with Power-Response heater technology



### consisting of:

534.346.99	WT 1	Supply unit (1 channel, 95 Watt)
529.172.99	WSP 80 Robust	High-Power soldering iron with soldering tip LT B
515.175.99	WSR 201	Safety rest

[dpvlink 19974](#)

Article	Type
534.426.99	<b>WT 1014 set soldering station</b>



## WT 1H - Supply unit



High-performance supply unit digital with quick-change system

Intelligent soldering station with backwards compatibility for soldering irons of the soldering stations WSD and WD



- High productivity (1-channel supply unit)
- Language-neutral menu
- Graphic LC display, backlit
- Intuitive operation due to a clear menu navigation
- low space requirement due to its stackability
- Automatic switch-off with integrated use sensor in the tool
- A variety of tools connectable (all soldering irons of the soldering stations WSD and WD - except micro-soldering irons)
- Housing cover as additional storage surface
- ESD safe

### Technical data:

Dimensions (mm):	149 x 138 x 101 (L x W x H)
Weight:	3 kg
Supply voltage:	230 V, 50 Hz
Power consumption:	150 W
Temperature range:	Adjustable temperature range 50° C - 550° C depending on tool
Temperature accuracy / Temperature stability:	± 9° C / ± 2° C
Potential equalization:	via 3.5 mm jack socket
Housing material:	Aluminium base with antistatic black coating; anti-static plastic housing

[dpvlink 19980](#)

Article	Type
534.356.99	<b>WT 1H - Supply unit</b>



## WT 1010H Set soldering station



Work Bench Controller soldering station digital 150 W, soldering iron WP 120 with Power-Response heater technology



### consisting of:

534.356.99	WT 1H	Supply unit (1 channel, 150 Watt)
529.193.99	WP 120	High-Power soldering iron with soldering tip XT B
515.175.99	WSR 201	Safety rest

[dpvlink 19962](#)

Article	Type
534.386.99	<b>WT 1010H set soldering station</b>



## WT 1011H Set soldering station



Work Bench Controller soldering station digital 150 W, soldering iron WP 200 with Power-Response heater technology



### consisting of:

534.356.99	WT 1H	Supply unit (1 channel, 150 Watt)
529.199.99	WP 200	High-Power soldering station with soldering tip XHT D
515.176.99	WSR 202	Safety rest

[dpvlink 19964](#)

Article	Type
534.396.99	<b>WT 1011H set soldering station</b>



The complete product range of Weller is available in our online shop or in the current manufacturer leaflets and catalogs

- as online catalog
- as download

## WT 2 M 2-channel supply unit



2-channel supply unit, 150 W, compatible with RT tips and many tools with passive tips.



- Intelligent power-sharing allows parallel working of 2 users
- intuitive, modern use
- stackable, therefore low space requirement
- housing lid can be used as additional storage
- automatic standby thanks to integrated acceleration sensor in the tool
- graphics: LCD with backlighting

### Technical data:

Dimensions (mm):	149 x 138 x 101 (L x W x H)
Weight:	approx. 3.1 kg
Supply voltage:	230 V / 50 Hz
Power consumption:	150 W
Channels:	2
Temperature range:	adjustable 50° C - 450° C (depending on tool 550° C) adjustable temperature range depending on tool
Temperature accuracy / temperature stability:	± 9° C / ± 2° C
Potential equilization:	via 3.5 mm jack socket
Housing material:	Aluminium base with antistatic black coating; antistatic plastic housing

### dpvlink 21892

Article	Type
534.433.99	<b>WT 2M supply unit</b> 2-channel supply unit 150 W, temperature (depending on tool) 50-550° C, incl. cable



## WT 2010M set soldering station



2-channel soldering station digital 150 W, soldering iron WTP 90 with Power Response technology



### consisting of:

534.436.99	WT 2 M	Supply unit (2-channel, 150 Watt)
529.222.99	WTP 90	High Power soldering iron with soldering tip XNT A
515.174.99	WSR 200	Safety rest

### dpvlink 21894

Article	Type
534.443.99	<b>WT 2010M set soldering station</b>



## WT 2020M set soldering station



2-channel soldering station digital 150 W, soldering iron WMRT micro-desoldering tweezers with WSR 203 safety rest and WMRP micro-soldering iron with WSR 205 safety rest



### consisting of:

534.436.99	WT 2 M	Supply unit (2-channel, 150 Watt)
529.190.99	WMRP Set	Soldering iron WMRP with safety rest
544.652.99	RTW 2	Soldering tips 0.2 mm, 45°
513.173.99	WMRT Set	Desoldering tweezers WMRT with safety rest

### dpvlink 21896

Article	Type
534.453.99	<b>WT 2020M set soldering station</b>



## WE soldering station

### WE 1010 soldering station



Just switch on the WE soldering station and start soldering. Weller has developed a soldering station for education, professional users as well as for cable manufacturing. It offers many software features of a professional soldering station, is easy to operate and keeps down costs.



1-channel soldering station, digital 70 W, 230 V, with soldering iron WEP 70

- 70 W soldering iron with ergonomic design and toolless tip change
- temperature range 100° C - 450° C
- ESD-safe soldering station, soldering iron and heat-resistant silicone cable
- utilisation of ET soldering tips
- standby mode and automatic setback protects tools and environment
- password-protected to preserve all settings
- temperature stability and lock protects soldering tips and components, constantly high quality with stable soldering results
- antistatic housing
- dimensions: 150 x 120 x 98 mm (L x W x H)

### consisting of:

WE 1 soldering station 230V  
WEP 70 soldering iron 70 W, 23 V with soldering tip ET A  
PH 70 safety rest

### dpvlink 21547

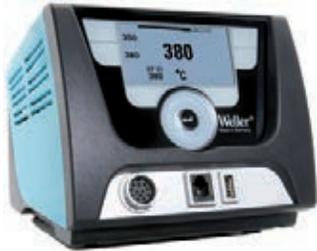
Article	Type
532.986.99	<b>WE 1010 soldering station</b> Temperature range 100° C - 450° C, max. power 70 W



## WX soldering station

The intelligent next-generation soldering station by Weller serves as a soldering base station as well as a work bench controller. A selection and direct control of several additional components, such as WFE extraction systems and WHP heating plates, simplifies and perfects the workstation. The innovative features are easy to use and were developed and designed according to the users' requirements and desires.

### WX 1 Supply unit



**Supply unit digital 150 W, 230 V**  
Intelligent soldering station with an independent channel and automatic tool recognition for WX tools

- Intuitive operation with turn-and-click wheel with finger guide made of real glass (antistatic and temperature-resistant)
- Multilingual display and menu navigation in different languages
- Graphic LC display, backlit
- Robot interface for automatic machines for soldering
- Unique calibration of the soldering iron (parameter memory)
- Parameterization, monitoring and updates of the station via USB stick
- Precise control by digital data transfer
- Control of WFE solder fume extraction systems and WHP heating plates
- ESD safe

#### Technical data:

Dimensions (mm):	170 x 151 x 130 (L x W x H)
Weight:	approx. 3.2 kg
Power supply:	230 V, 50 Hz
Power consumption:	200 W
Temperature range:	adjustable 50°C - 550°C (150°F - 999°F), depending on tool
Temperature accuracy /	± 9°C / ± 2°C
Temperature stability:	
Potential equalization:	via 3.5 mm jack socket on the back of the device
Housing material:	Aluminum base with antistatic black coating; antistatic plastic housing

dpvlink 15684

Article	Type
534.173.99	<b>WX 1 supply unit</b> digital control technology, temperature range 50°C-550°C, maximum power 150 W incl. power cable and software CD



### WX 1010 Soldering station



**Work bench controller soldering station digital 150 W, with high-power soldering iron WXP 120 (120 W)**



#### consisting of:

534.173.99	WX 1	Supply unit
529.201.99	WXP 120	High-power soldering iron with soldering tip XT B
515.121.99	WDH 10	Safety rest

dpvlink 15688

Article	Type
534.183.99	<b>WX 1010 Soldering station</b>



### WX 1011 Soldering station



**Work bench controller soldering station digital 150 W, with WXMP micro soldering iron (40 W)**



#### consisting of:

534.173.99	WX 1	Supply unit
529.203.99	WXMP	Micro soldering iron with soldering tip RT 3
515.156.99	WDH 50	Safety rest

dpvlink 15727

Article	Type
534.193.99	<b>WX 1011 Soldering station</b>



### WX 1012 Soldering station



**Work bench controller soldering station digital 150 W, with WXP 65 soldering iron (65 W)**



#### consisting of:

534.173.99	WX 1	Supply unit
529.211.99	WXP 65	Soldering iron with soldering tip XNT A
515.121.99	WDH 10	Safety rest

dpvlink 15744

Article	Type
534.273.99	<b>WX 1012 Soldering station</b>



## WX 2 Supply unit



### Supply unit digital 255 W, 230 V

Intelligent soldering station with 2 independent channels and automatic tool recognition for WX tools



- Control panel with 6 touch keys and turn-and-click wheel with finger guide made of real glass (antistatic coating, chemical- and temperature-resistant)
- Multilingual display and menu navigation in 7 languages (D, GB, F, I, ES, P, CN)
- Graphic LC display, backlit
- Robot interface for automatic machines for soldering
- Unique iron calibration
- Parameterization, monitoring and updates of the station via USB stick
- Precise control by digital data transfer
- Control of WFE soldering fume extraction systems and WHP heating plates
- ESD safe

#### Technical data:

Dimensions (mm):	174 x 154 x 135 (L x W x H)
Weight:	approx. 3.45 kg
Power supply:	230 V, 50 Hz
Power consumption:	200 W (255 W)
Temperature range:	Adjustable temperature range 100°C - 550°C (210°F - 999°F), depending on tool
Temperature accuracy /	± 9°C (± 17°F) / ±2°C (± 4°F)
Temperature stability:	
Potential equalization:	via 3.5 mm jack socket on the back of the device
Housing material:	Aluminum base with antistatic black coating; antistatic plastic case

#### dpvlink 14792

Article	Type
534.203.99	<b>WX 2 supply unit</b> digital control technology, temperature range 100°C-550°C, maximum power 255 W incl. power cable and software CD



## WX 2012 ULTRA MS soldering station



Soldering station digital 255 W for demanding soldering application and largest components with military standard, with soldering iron WXUP MS (150 W)



#### consisting of:

534.203.99	WX 2	Supply unit
529.230.99	WXUP MS	Ultra soldering iron 150 W, 24 V with soldering tip RTU032SMS
515.174.99	WSR 200	Safety rest

#### dpvlink 24426

Article	Type
534.226.72	<b>WX 2012 ULTRA MS soldering station</b>



## WX 2011 PICO MS soldering station



Soldering station digital 255 W for miniature works under a microscope with military standard, with soldering iron WXPP MS (40 W)

#### consisting of:

534.203.99	WX 2	Supply unit
529.228.99	WXPP MS	Pico soldering iron 40 W, 12 V with soldering tip RTP004SMS
515.182.99	WSR 208	Safety rest
5SA	5SA	Precision tweezers
	SAC M1	Solder wire, 0.2 mm

#### dpvlink 24428

Article	Type
534.226.71	<b>WX 2011 PICO MS soldering station</b>



## WX 2010 MICRO MS soldering station



Soldering station digital 255 W for standard and micro-soldering application with military standard, with soldering iron WXMP MS (55 W)



#### consisting of:

534.203.99	WX 2	Supply unit
529.213.99	WXMP MS	Micro-soldering iron 40 W, 12 V with soldering tip RTM013SMS
515.174.99	WSR 200	Safety rest

#### dpvlink 24430

Article	Type
534.226.70	<b>WX 2010 MICRO MS soldering station</b>



## WX 2020 Soldering station



Work bench controller soldering station digital 255 W, with 2 x high-power soldering irons WXP 120 (120 W)



#### consisting of:

534.206.99	WX 2	Supply unit
529.201.99	2 x WXP 120	High-power soldering iron with soldering tip XT B
515.121.99	2 x WDH 10	Safety rest

#### dpvlink 14797

Article	Type
534.213.99	<b>WX 2020 soldering station</b>



## WX 2021 Soldering station



Work bench controller soldering station digital 255 W, with WXMT micro desoldering tweezers (2 x 40 W) and WXMP micro soldering iron (40 W)



### consisting of:

534.206.99	WX 2	Supply unit
513.177.99	WXMT	Micro soldering tweezers with soldering tip RTW 2
515.169.99	WDH 60	Safety rest
529.203.99	WXMP	Micro soldering iron with RT 3 soldering tip
515.156.99	WDH 50	Safety rest

dpmlink 14800

Article	Type
534.223.99	WX 2021 Soldering station



## Temperature measuring device WCU **NEU** Weller



- Temperature measuring device for soldering tips
- Digital display: quick change between temperature units °C and °F
- Measuring range: -150°C - +1200°C
- Backlighting
- max. hold function
- Counting function for temperature measurements
- Automatic switch-off
- Sensor is not included

dpmlink 26514

Article	Type
534.501.99	Temperature measuring device WCU
587.717.12	Sensors WCU for temperature measuring device WCU



## Desoldering stations

All desoldering stations are versatile due to their automatic tool recognition. All Weller soldering and desoldering devices, up to 80W power, can be connected to the stations. They are all equipped with vacuum to absorb solder, most of them additionally with a hot air function for the soldering and desoldering of mainly SMD components. The desoldering irons can be equipped with various nozzles, as well as special desoldering heads.



The vacuum is activated by a finger switch and the solder is collected in integrated collecting box. When using SMD desoldering heads, the component is lifted with the integrated vacuum. The hot air iron (HAP) is used for soldering with paste or for desoldering. In this case, smaller components can be evenly heated with the standard nozzle; however, larger devices can be desoldered with a suitable nozzle.

## WXR3030 Rework station



Multi-digital 3-channel-desoldering station with soldering iron WXP 65, desoldering iron WXDP 120 and hot-air iron WXHAP 200:



- Use as benchtop controller e.g. extractor systems Zero Smog
- Intelligent power management
- Simultaneous operation of three soldering tools
- All intelligent WX tools may be connected
- Illuminated graphic display
- Multilingual menu guidance
- Automatic tool recognition of the power unit

### Technical Data:

Dimensions (mm):	273 x 235 x 102 (L x W x H)
Weight:	ca. 6,7 kg
Mains supply voltage:	230 V, 50 Hz / 120 V, 60 Hz
Power consumption:	420 W (600 W)
Temperature range:	Adjustable 100° C - 450° C Controllable temperature range is tool-dependent
Temperature accuracy / Temperature stability:	± 9° C tool-dependent (WXHAP ± 30° C)
Equipotential bonding:	Via 3.5 mm pawl socket on back of unit
Housing:	Antistatic, Safety class I

### Scope of delivery:

535.006.99	WXR 3	Power unit
527.119.99	WXHAP 200	Hot air iron
515.152.99	WDH 30	Safety rest
513.201.99	WXDP 120	Desoldering iron
515.172.99	WDH 70	Safety rest
587.658.01	PDN	Pliers Desoldering Nozzle
529.184.99	WVP	Vacuum Pick-Up
529.211.99	WXP 65	Soldering iron
515.121.99	WDH10	Safety rest

dpmlink 18243

Article	Type
535.016.99	WXR 3030 Rework station multi-digital



## WXR 3031 Rework station



Multi-digital 3-channel desoldering station with soldering iron WXP 120, WXDV 120 soldering iron and hot-air iron WXHAP 200:



- Use as benchtop controller e.g. extractor systems Zero Smog
- Intelligent power management
- Simultaneous operation of three soldering tools
- All intelligent WX tools may be connected
- Illuminated graphic display
- Multilingual menu guidance
- Automatic tool recognition of the power unit

### Technical Data:

Dimensions (mm):	273 x 235 x 102 (L x W x H)
Weight:	ca. 6,7 kg
Mains supply voltage:	230 V, 50 Hz / 120 V, 60 Hz
Power consumption:	420 W (600 W)
Temperature range:	Adjustable 100° C - 450° C Controllable temperature range is tool-dependent
Temperature accuracy / Temperature stability:	± 9° C tool-dependent (WXHAP ± 30° C)
Equipotential bonding:	Via 3.5 mm pawl socket on back of unit
Housing:	Antistatic, Safety class I

### Scope of delivery:

535.006.99	WXR 3	Power unit
527.119.99	WXHAP 200	Hot air iron
515.152.99	WDH 30	Safety rest
513.202.99	WXDP 120	Desoldering iron
515.172.99	WDH 70	Safety rest
587.658.01	PDN	Pliers Desoldering Nozzle
529.184.99	WVP	Vacuum Pick-Up
529.201.99	WXP 120	Soldering iron
515.121.99	WDH10	Safety rest

**dpvlink 18262**

Article	Type
535.026.99	<b>WXR 3031 Rework station multi-digital</b>



## WXR 3032 Rework station



Multi-digital 3-channel desoldering station with soldering iron WXP 65, WXDV 120 soldering iron and hot-air iron WXHAP 200:



- Use as benchtop controller e.g. extractor systems Zero Smog
- Intelligent power management
- Simultaneous operation of three soldering tools
- All intelligent WX tools may be connected
- Illuminated graphic display
- Multilingual menu guidance
- Automatic tool recognition of the power unit

### Technical Data:

Dimensions (mm):	273 x 235 x 102 (L x W x H)
Weight:	ca. 6,7 kg
Mains supply voltage:	230 V, 50 Hz / 120 V, 60 Hz
Power consumption:	420 W (600 W)
Temperature range:	Adjustable 100° C - 450° C Controllable temperature range is tool-dependent
Temperature accuracy / Temperature stability:	± 9° C tool-dependent (WXHAP ± 30° C)
Equipotential bonding:	Via 3.5 mm pawl socket on back of unit
Housing:	Antistatic, Safety class I

### Scope of delivery:

535.006.99	WXR 3	Power unit
527.119.99	WXHAP 200	Hot air iron
515.152.99	WDH 30	Safety rest
513.204.99	WXDV 120	Desoldering iron
515.153.99	WDH 40	Safety rest
587.658.01	PDN	Pliers Desoldering Nozzle
529.184.99	WVP	Vacuum Pick-Up
529.211.99	WXP 65	Soldering iron
515.121.99	WDH10	Safety rest

**dpvlink 18267**

Article	Type
535.036.99	<b>WXR 3032 Rework station multi-digital</b>



## WXD 2 Supply unit



### Supply unit digital 255 W, 230 V

High-power soldering and desoldering station with 2 independent channels and automatic tool recognition for WX tools



- Compressed-air system for a stable desoldering, high vacuum for constant desoldering results
- Simple exchange of the air filter, input and output filter quickly exchangeable
- Very fast preheating of the desoldering iron (40 s from 50°C to 350°C)
- Control panel with 6 touch keys and turn-and-click wheel with finger guide made of real glass (antistatic coating, resistant to chemicals and temperatures)
- Multilingual display and menu navigation in 7 languages (D, GB, F, I, ES, P, CN)
- Graphic LC display, backlit
- Unique iron calibration (parameter memory)
- Parameterization, monitoring and updates via USB stick
- Precise control by digital data transfer
- ESD safe

#### Technical data:

Dimensions (mm):	170 x 151 x 130 (L x W x H)
Weight:	approx. 3.2 kg
Supply voltage:	230 V, 50 Hz
Power consumption:	200 W (255W)
Temperature range:	adjustable temperature range 50°C - 550°C (depending on tool)
Temperature accuracy/ Temperature stability:	± 9°C / ± 2°C
Compressed air:	Inlet pressure 400 - 600 kPa (58-87 psi) oil-free, dry compressed air
Compressed-air converter:	air consumption 35l/min max. vacuum 55kPa (8 psi)
Compressed-air connection:	Compressed-air hose external diameter 6 mm (0.24")
Potential equalization:	via 3.5 mm jack socket on the back of the device
Housing material:	Aluminum base with black antistatic coating; anti-static plastic housing

#### dpvlink 16453

Article	Type
534.263.99	<b>WXD 2 supply unit</b> digital control technology, temperature range 50°C-550°C, max. power 255 W incl. power cable and software CD



## WXD 2010 Soldering station



### Soldering/desoldering station digital 255 W, with desoldering iron WXDP 120 (120 W)



#### consisting of :

534.266.99	WXD 2	Supply unit
513.201.99	WXDP 120	Desoldering iron
515.172.99	WDH 70	Safety rest with brass wool

#### dpvlink 16457

Article	Type
534.283.99	<b>WXD 2010 Soldering station</b>



## WXD 2020 Soldering station



### Soldering and desoldering station digital 255 W, with desoldering iron WXDP 120 (120 W) and soldering iron WXP 120 (120 W)



#### consisting of :

534.266.99	WXD 2	Supply unit
513.201.99	WXDP 120	Desoldering iron
515.172.99	WDH 70	Safety with brass wool
529.201.99	WXP 120	Soldering iron
515.121.99	WDH 10	Safety rest with wool

#### dpvlink 16460

Article	Type
534.293.99	<b>WXD 2020 soldering station</b>



## Accessories WX



### Accessories for soldering station WX

#### dpvlink 14846

Article	Type
587.647.10	<b>WX connection cable</b> for the interconnection of two WX stations to each other.  Is required for remote control 587.359.09
587.647.11	<b>WX adapter for PC</b> for the connection of a WX station with PC (WX cable additionally required)
587.647.12	<b>WX adapter for WFE and WHP</b> for the connection of a WX station with WFE soldering fume extraction systems or WHP preheating plates (WX cable additionally required)



## WR 2002 Desoldering station



Multi digital desoldering station with desoldering iron DSX 80 and soldering iron WP 80:

- Hot air, soldering and desoldering irons can be connected
- Automatic tool recognition of the supply unit
- Built-in rotary vane pump for vacuum and air flow generation
- Freely programmable button for recurring features

### Technical data:

- Max. power of the supply unit: 300 W
- Dimensions in mm: 273 x 235 x 102 (L x W x H)
- Supply voltage: 230 V / 50 Hz
- Protection class: 1 and 3
- 2 channels
- Temperature: 50°C - 550°C
- Soldering iron: 50°C - 550°C
- Desoldering iron: 50°C - 450°C
- Hot air iron: 50°C - 550°C
- Pump: (intermittent duty (30 / 30) s) max. vacuum 0.7 bar, max. flow rate 18 l/min, hot air max 10 l/min
- Large LCD display
- Antistatic case

### Scope of delivery:

WR 2 supply unit	533 776 99
WP 80 soldering iron 80 W + soldering tip LTB	529 180 99
WDH 10T safety rest with Stop + Go function	515 161 99
DSX 80 desoldering iron 80 W + desoldering nozzle DX 113HM	513 190 99
WDH 30 comfort rest	515 152 99

**dpvlink 14636**

Article Type

533.806.99 **WR 2002 Desoldering station**



## WR 2000A Desoldering station



Multi digital desoldering station with hot air iron HAP1 and pump:

- Hot air, soldering and desoldering irons can be connected
- Automatic tool recognition of the supply unit
- Built-in rotary vane pump for vacuum and air flow generation
- Freely programmable button for recurring features

### Technical data:

- Max. power of the supply unit: 300 W
- Dimensions in mm: 273 x 235 x 102 (L x W x H)
- Supply voltage: 230 V / 50 Hz
- Protection class: 1 and 3
- 2 channels
- Temperature: 50°C - 550°C
- Soldering iron: 50°C - 550°C
- Desoldering iron: 50°C - 450°C
- Hot air iron: 50°C - 550°C
- Pump: (intermittent duty (30 / 30) s) max. vacuum 0.7 bar, max. flow rate 18 l/min, hot air max. 10 l/min
- Large LCD display
- Antistatic case

### Scope of delivery:

WR 2 supply unit	533 776 99
HAP 1 hot air iron 100W + hot air nozzle R06	527 115 99
WDH 30 comfort rest	515 152 99

**dpvlink 14630**

Article Type

533.786.99 **WR 2000A Desoldering station**



## WR 2000D Desoldering station



Multi digital desoldering station with soldering iron DSX 80 and pump:

- Hot air iron, soldering iron and desoldering iron can be connected
- Automatic tool recognition of the supply unit
- Built-in rotary vane pump for vacuum and air flow generation
- Freely programmable button for recurring features

### Technical data:

- Max. power of the supply unit: 300 W
- Dimensions in mm: 273 x 235 x 102 (L x W x H)
- Supply voltage: 230 V / 50 Hz
- Protection class: 1 and 3
- 2 channels
- Temperature: 50°C - 550°C
- Soldering iron: 50°C - 550°C
- Soldering iron: 50°C - 450°C
- Hot air iron: 50°C - 550°C
- Pump: (intermittent duty (30 / 30) s) max. vacuum 0.7 bar, max. flow rate 18 l/min, hot air max. 10 l/min
- Large LCD display
- Antistatic case

### Scope of delivery:

WR 2 supply unit	533 776 99
DSX 80 desoldering iron 80 W + desoldering nozzle DX 113HM	513 190 99
WDH 30 comfort rest	515 152 99

[dpvlink 14633](#)

Article	Type
533.796.99	<b>WR 2000D Desoldering station</b>



## WR 3000M Desoldering station vertical



Multi-digital 3-channel desoldering station with soldering iron WP 80, desoldering iron DXV 80 and hot air iron HAP 200:

- Desoldering iron DXV 80 for vertical repair tasks
- All high-speed micro tools can be connected
- Hot air iron, soldering iron and desoldering iron
- Comprehensive PC software
- Automatic tool recognition of the supply unit

### Technical data:

- Max. power of the supply unit: 420 W
- Potential equilization is possible, delivery state hard grounded
- Dimensions in mm: 237 x 235 x 102 (L x W x H)
- Weight: 6.7 kg
- Supply voltage: 230 V / 50 Hz
- Protection class: 1 and 3
- 3 channels
- Temperature control of channels: soldering iron 50°C - 550°C
- Temperature accuracy: +/-9 °C
- Temperature stability: +/-2 °C
- Pump: (intermittent duty (30 / 30) s) max. vacuum 0.7 bar, max. flow rate 18 l/min, hot air max 15 l/min
- Large LCD display
- Antistatic case
- USB interface

### Scope of delivery:

WR 3M supply unit	533 666 99
HAP 200 hot air iron 200 W	527 116 99
2 x WDH 30 comfort rest	515 152 99
DXV 80 desoldering iron + suction nozzle DX 113HM	513 180 99
WP 80 soldering iron with soldering tip LT B	529 180 99
WDH 10 comfort rest	515 121 99
Vacuum pipette	529 184 99

[dpvlink 9606](#)

Article	Type
533.683.99	<b>WR 3000M Desoldering station</b>



## WRK Reflow system set



The desoldering system allows the soldering/desoldering of large SMD components up to 30 x 30 mm. It is connectable to the additional WR 3M vacuum channel (pick up).

### Consists of:

Desoldering case each once 33 x 33 mm, 27 x 27 mm, 24 x 24 mm, 20 x 20 mm, 15.5 x 15.5 mm, 12.5 x 12.5 mm, 10 x 10 mm, vacuum pick-up 4.5 mm, vacuum pick-up 10 mm, tripod pick-up and nozzle holder.

[dpvlink 9611](#)

Article	Type
515.155.99	<b>WRK Reflow system complete</b>
587.617.30	<b>WRK Set Reflow system</b> 33 x 33 mm / 24 mm x 24 mm
587.617.31	<b>WRK Set Reflow system</b> 27 x 27 mm / 20 mm x 20 mm
587.617.32	<b>WRK Set Reflow system</b> 18 x 18 mm / 15.5 mm x 15.5 mm / 12.5 x 12.5 mm / 10 mm x 10 mm



## WR 3000M Desoldering station horizontal Weller



Multi-digital 3-channel desoldering station with soldering iron WP 80, desoldering iron DSX 80 and hot air iron HPA 200:

- Desoldering iron DSX 80 for horizontal soldering tasks
- All high-speed micro tools can be connected
- Hot air iron, soldering iron and desoldering iron
- Comprehensive PC software
- Automatic tool recognition of the supply unit

### Technical data:

- Max. power of the supply unit: 420 W
- Potential equalization is possible, delivery state hard grounded
- Dimensions in mm: 237 x 235 x 102 (L x W x H)
- Weight: 6.7 kg
- Supply voltage: 230 V / 50 Hz
- Protection class: 1 and 3
- 3 channels
- Temperature control of channels: soldering iron 50°C - 550°C
- Temperature accuracy: +/- 9 °C
- Temperature stability: +/- 2 °C
- Pump: (intermittent duty (30 / 30) s) max. vacuum 0.7 bar, max. flow rate 18 l/min, hot air max. 15 l/min
- Large LCD display
- Antistatic case
- USB interface

### Scope of delivery:

WR 3M supply unit	533 666 99
HAP 200 hot air iron 200 W	527 116 99
WDH 30 comfort rest	515 152 99
WDH 40 comfort rest	515 153 99
DSX 80 inline desoldering iron	513 190 99
WP 80 soldering iron with soldering tip LT B	529 180 99
WDH 10 comfort rest	515 121 99
Vacuum pipette	529 184 99

### dpvlink 9603

Article	Type
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533.686.99	<b>WR 3000M Desoldering station</b>
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## WR 3000M ER Desoldering station Weller



Multi-digital 3-channel desoldering station with soldering iron WP 120, desoldering iron DSX 120 and hot air iron HPA 200:

- All high-speed micro tools can be connected
- Hot air iron, soldering iron and desoldering iron
- Comprehensive PC software
- Automatic tool recognition of the supply unit

### Technical data:

- Max. power of the supply unit: 420 W
- Potential equalization is possible, delivery state hard grounded
- Dimensions in mm: 237 x 235 x 102 (L x W x H)
- Weight: 6.7 kg
- Supply voltage: 230 V / 50 Hz
- Protection class: 1 and 3
- 3 channels
- Temperature control of the channels: soldering iron 50°C - 550°C
- Temperature accuracy: +/- 9°C
- Temperature stability: +/- 2°C
- Pump: (intermittent duty (30 / 30) s) max. vacuum 0.7 bar, max. flow rate 18 l/min, hot air max. 15 l/min
- Large LCD display
- Antistatic case
- USB interface

### Scope of delivery:

WR 3M supply unit	533 666 99
HAP 200 soldering iron 200 W	527 116 99
2 x WDH 30 safety rest	515 152 99
DSX 120 desoldering iron + suction nozzle XDS 1	513 198 99
WP 120 soldering iron 120 W	529 193 99
WDH 10 safety rest	515 121 99

### dpvlink 16570

Article	Type
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533.688.70	<b>WR 3000M ER Desoldering station</b>
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## WVP Vacuum pipette Weller



By means of the WVP vacuum pipette, components can be moved easily and safely. The housing is antistatic, the vacuum nipples are available in 2 different sizes. The desoldering system can be connected to the additional vacuum channel (pick up) of the supply unit WR 3M.

### dpvlink 9893

Article	Type
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529.184.99	<b>WVP vacuum pipette</b>
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## Hot-air devices



Soldering with hot air does not take place with conventional solder, but using solder paste. The solder paste is applied on the solder joint with appropriate dispensers. The soldering process is made contactlessly with hot air. Some specifics have to be considered also during the desoldering process with hot air. Smaller components are evenly heated with the hot air pencil, and then lifted. There is a wide range of offered nozzles for the desoldering of larger components. First, in stand-by mode, the component is gently preheated with contact heat by a plate that is built into a nozzle. Then, the full heating capacity with higher air flow is switched on for only a few seconds. The air flow is directed exactly to the component connections due to the construction of the nozzle. The device can be lifted with the built-in vacuum (WHA 3000V / WHA 3000P) or with a vacuum pipette. The vacuum is configured in such a way that the device can be lifted, but there is no danger to remove pads of the printed circuit board by too much traction. So desoldering with hot air is a gentle process for the component as well as for the PCB. There are no thermal or mechanical damages.

### WXA 2010 Set



2-channel supply unit 200 W (255 W) / 230 V, with WXHAP 200 hot-air iron (200 W)



#### consisting of:

534.256.99	WXA 2	2-channel supply unit 200 W (255 W)
527.120.99	WXHAP 200	hot-air iron 200 W
587.278.22	R 06	hot-air nozzle R 06 round 3.0 mm
515.152.99	WDH 30	safety rest with brass wool
587.278.21	R 04	hot-air nozzle round 1.2 mm

#### Weller has the perfect solution for hot-air and soldering tasks!

The hot-air set of the WX generation is completely ESD safe and protects therefore the soldering workstation and electric components. Useable in EPA areas. Stepless adjustment of the air amount in %, compressed air operation (external supply with compressed air). Max. amount of hot air (20l/min) at 6 bar. Air amount is digitally shown. Simultaneous operation of two soldering tools - all WX - tools can be connected.

#### dpvlink 17748

Article	Type
534.303.99	WXA 2010 Set



### WTHA 1



#### Hot air station WTHA 1 with built-in pump

1-channel supply unit 900 W / 230 V with integrated hot air iron. Simple and compact rework station with detailed LC display. A self-explanatory user guidance provides an intuitive operation. The soldering stations WT 1 and WT 1H can be stacked onto the hot-air station WTHA 1. Upt to 5 temperature profiles can be stored and run through a sequential series.

#### dpvlink 19977

Article	Type
531.733.99	<b>WTHA 1</b> Temperature range 50°C - 600°C Air quantity 5 l/min - 60 l/min power 900 W Protection class 1, dimensions: 210 x 160 x 125 mm ESD safe



### WAD 101 Hot-air station



The WAD 101 hot-air station is equipped with a digital circuit for a precise temperature control.

The built-in microprocessor circuit recognizes automatically all Weller soldering irons and determines the respectively optimal control parameters.

#### WAD 101 hot air station (compressed air operation)

Scope of delivery:

Supply unit

HAP 1 hot air iron + hot gas nozzle R06 527 115 99

Rest KH 27 515 027 99

R04 hot gas nozzle  $\varnothing$  1.2 mm 587 278 21

#### dpvlink 3876

Article	Type
532.666.99	<b>WAD 101 Hot air station (compressed air operation)</b> Compressed air or nitrogen connection required, temperature range: 50°C - 550°C hot air, 50°C - 450°C soldering iron, air quantity 6 l/min, power 100 W



## WHA 3000P Hot air station



Built-in turbine, so independent of compressed air. Digital control electronics, LCD display, manual or automatic operation, RS 232 interface for control via PC, connection for external sensor, max. nozzle vacuum -0.6 bar, safety rest with Stop + Go function, protection class 1.

### Hot air station WHA 3000P with built-in pump

Scope of delivery:

- Supply unit (230V) with handpiece
- NQ 30 nozzle
- AKT 30, safety rest with Stop + Go function

#### dpvlink 6816



Article	Type
533.346.99	<b>WHA 3000P Hot air station</b> Temperature range 50°C - 550°C, air quantity 5 - 10 l/min, power 700 W, meets all the ESD requirements

## WHA 3000V Hot air station



Requires 4-6 bar compressed air or protective gas supply. Digital control electronics, LCD display, manual or automatic operation, RS 232 interface for control via PC, connection for external sensor, max. nozzle vacuum - 0.6 bar, safety rest with Stop + Go function, protection class 1.

### WHA 3000V hot air station (compressed air or protective gas operation)

Scope of delivery:

- Supply unit (230V) with handpiece
- NQ 30 nozzle
- AKT 30, safety rest with Stop + Go function

#### dpvlink 6815



Article	Type
533.366.99	<b>WHA 3000V Hot air station (compressed air operation)</b> Temperature range 50°C - 550°C, Air flow 5 - 10 l/min, power 700 W meets all the ESD requirements

## Accessories for hot-air stations



#### dpvlink 3874



Article	Type
513.120.99	<b>Foot switch 1-step</b>
515.048.99	<b>Nozzle rest 6-fold</b>

## Hot-air nozzles for HAP 1

### Hot air nozzles for HAP 1, WXHAP 200



#### dpvlink 4255



Article	Type
587.277.74	<b>F02 flat nozzle</b> 8.0 x 1.5 mm
587.277.73	<b>F04 flat nozzle</b> 10.5 x 1.5 mm
587.277.72	<b>F06 flat nozzle</b> 12.5 x 1.5 mm
587.277.76	<b>FD2 dual nozzle</b> Ø 1.5 x 8.0 mm
587.277.75	<b>FD4 dual nozzle</b> Ø 1.5 x 10.0 mm
587.278.23	<b>R02 round nozzle</b> Ø 0.8 mm
587.278.21	<b>R04 round nozzle</b> Ø 1.2 mm
587.278.22	<b>R06 round nozzle</b> Ø 3.0 mm
587.277.86	<b>R08 round nozzle, bent</b> Ø 2.5 mm
587.277.87	<b>R10 round nozzle</b> Ø 2.5 mm
587.277.79	<b>D04 hot air nozzle</b> 10.5 x 10.5 mm
587.277.82	<b>D06 hot air nozzle</b> 10.0 x 13.0 mm
587.277.81	<b>D08 hot air nozzle 2-fold</b> 15.0 x 10.0 mm
587.277.84	<b>D10 hot air nozzle</b> 10.0 x 18.0 mm
587.277.77	<b>Q02 hot air nozzle</b> 6.0 x 6.5 mm
587.277.78	<b>Q04 hot air nozzle</b> 6.0 x 9.0 mm
587.277.80	<b>Q06 Hot air nozzle 4-fold</b> 15.0 x 10.0 mm
587.277.83	<b>Q08 hot air nozzle</b> 12.5 x 15.0 mm
587.277.85	<b>Q10 hot air nozzle</b> 18.0 x 18.0 mm
587.278.08	<b>R01 measuring nozzle</b>

## Hot-air nozzles for WHA 900, WHA3000

### Round nozzles (without vacuum)



dpvlink 4513

Article  
Type



  587.368.82 **Round nozzle NR 02**  
Ø 1.7 mm x 45°, bent (without vacuum)

  587.368.81 **Round nozzle NR 04**  
Ø 2.5 mm (without vacuum)

  587.368.67 **Round nozzle NR 05**  
Ø 4 mm (without vacuum), SO 8

  587.368.70 **Round nozzle NR 10**  
Ø 7 mm (without vacuum)

  587.368.83 **Round nozzle DR 05**  
Ø 2.5 mm x 9.5 mm (without vacuum)

  587.507.70 **Round nozzle NRV 07**  
Ø 7.0 mm with vacuum for small components

  587.507.72 **Round nozzle NRV 10**  
Ø 10.0 mm with vacuum for small components

  587.507.74 **Round nozzle NRV 12**  
Ø 12 mm with vacuum for small components

### Round nozzles 2 sides heated, type ND (with vacuum)



dpvlink 4541

Article  
Type



  587.368.43 **Hot air nozzle ND 05**  
10.7 x 10.7 mm, SO 14, SO 16

  587.368.42 **Hot air nozzle ND 10**  
14.0 x 10.0 mm, SOL 14, SOL 16, SOL 16-L, SOL 20, SOL-J 20

  587.368.41 **Hot air nozzle ND 15**  
19.0 x 12.0 mm, SOL 24, SOL-J 24, SOL 28, SOL-J 28

  587.368.40 **Hot air nozzle ND 20**  
21.5 x 14.8 mm, SOL 32

### Round nozzles all 4 sides heated, type NQ (with vacuum)



dpvlink 4547

Article  
Type



  587.368.39 **Hot air nozzle NQ 05**  
10.7 x 10.7 mm, PLCC 20, LCCC 14, LCCC 24, C-QFP 24

  587.368.18 **Hot air nozzle NQ 10**  
14.8 x 14.8 mm, PLCC 28, QFP 44, LCCC 28, QFP 48

  587.368.38 **Hot air nozzle NQ 15**  
14.5 x 10.0 mm

  587.368.37 **Hot air nozzle NQ 20**  
15.5 x 13.0 mm

  587.368.14 **Hot air nozzle NQ 25**  
18.0 x 18.0 mm, PLCC 44, CLCC 44, PQFP 44, PQFP 64, QFP 64, QFP 60

  587.507.21 **Hot air nozzle NQ 30**  
17.5 x 23.5 mm, QFP 56, QFP 60, QFP 64, QFP 80, QFP 88, QFP 100

dpvlink 4547

Article  
Type



  587.368.07 **Hot air nozzle NQ 35**  
20.5 x 20.5 mm, PLCC 52, BQFP 84

  587.368.04 **Hot air nozzle NQ 40**  
26.0 x 26.0 mm, PLCC 68, CLCC 68, LCCC 80, BQFP 100, C-QFP 64

  587.368.33 **Hot air nozzle NQ 45**  
32.0 x 32.0 mm

  587.368.91 **Hot air nozzle NQ 50**  
36.0 x 36.0 mm, QFP 240

  587.368.90 **Hot air nozzle NQ 55**  
43.0 x 43.0 mm, CQFP 304

## Soldering irons / Accessories

### Soldering irons

#### WXUP MS soldering iron set



The powerful, user-friendly set provides highest performance for demanding soldering applications like LED soldering, solar technology, electronics market, multilayer circuit boards, large heat sinks or high-frequency circuit boards with large heat sinks

Compatible with all Weller WX soldering stations



- high-performance soldering applications and largest components. Component sizes XL to XXL
- especially for requirements according to MIL-SPEC / IPC
- extremely short heating-up time: 7 seconds
- triple awarded, active soldering tips
- excellent heat transfer
- excellent reaction time
- RT soldering tips can be changed quickly and easily

##### Scope of delivery set:

Ultra soldering iron WXUP MS 150 W, 24 V	529 230 99
Soldering tip RTU 032 S MS	501 060 99
Safety rest WSR 200	515 174 99N

**appropriate soldering tips** **RT Ultra series**

**dpvlink 24433**

Article	Type	QR Code
529.233.99	WXPP MS soldering iron set	

#### WXPP MS soldering iron set



The powerful, user-friendly set provides highest process reliability for the smallest soldering applications in aerospace industry, electronics, sensor technology and medical technology as well as in military sector and automotive industry

Compatible with all Weller WX soldering stations



- For miniature works under a microscope. Component sizes XS to S
- extremely short heating-up time: 3 seconds
- especially for requirements according to MIL-SPEC / IPC
- triple awarded, active soldering tips
- excellent heat transfer
- excellent reaction time
- RT soldering tips can be changed quickly and easily
- soldering wire SAC M1 for best flow behavior and homogeneous flux distribution
- Erem 5SA precision tweezers, suitable for very fine wires, Swiss Made

##### Scope of delivery set:

Pico soldering iron WXPP MS 40 W, 12 V	529 228 99
Soldering tip RTP 004 S MS	501 023 99
Safety rest WSR 208	515 182 99
Precision tweezers 5SA	5SA
Solder wire SAC M1	

**appropriate soldering tips** **RTP series**

**dpvlink 24434**

Article	Type	QR Code
529.232.99	WXPP MS soldering iron set	

#### WXMP-Set



The WXMP micro soldering iron achieves his operating temperature in a very short time. A data memory integrated in the tool allows the calibration of tool-specific parameters. A use sensor detects movement as well as use in a cost-effective way. Suitable for soldering stations WX.



- Active soldering tip for optimum heat transfer
- Processing of measured data in the handle
- Extremely short preheating times
- Cost efficiency by sensor for recognition of the use (Stop + Go function)
- Individual iron calibration independently of the base station
- Simple, fast tip exchange

Scope of delivery of the set:

Micro soldering iron WXMP	529 203 99
Soldering tip RT 3	544 603 99
Safety rest WDH 51	515 171 99

**appropriate soldering tips** **RT series**

**dpvlink 14818**

Article	Type	QR Code
529.204.99	WXMP Set Power 40 W	
529.203.99	WXMP micro soldering iron handpiece Power 40 W	

#### WXMP MS soldering iron set



The powerful, user-friendly set provides versatile performance for standard and micro-soldering applications in aerospace industry, electronics, sensor technology and medical technology as well as in military sector and automotive industry

Compatible with all Weller WX soldering stations



- For standard and micro-soldering applications. Component sizes M to L
- extremely short heating-up time: 5 seconds
- especially for requirements according to MIL-SPEC / IPC
- triple awarded, active soldering tips
- excellent heat transfer
- excellent reaction time
- RT soldering tips can be changed quickly and easily

##### Scope of delivery set:

Micro-soldering iron WXMP MS 40 W, 12 V	529 213 99N
Soldering tip RTM 013 S MS	544 616 99N
Safety rest WSR 200	515 174 99N

**appropriate soldering tips** **RT series**

**dpvlink 24437**

Article	Type	QR Code
529.234.99	WXMP MS soldering iron set	

## WXMT-Set



The WMRT micro soldering tweezers allows a precise soldering and desoldering of very small SMD components by pairwise, parallel adjusted soldering tips. A data memory integrated in the tool facilitates the calibration of tool-specific parameters. A use sensor detects movement as well as use in a cost-effective way. Suitable for soldering stations WX.



- Active soldering tip for optimum heat transfer
- Processing of measured data in the handle
- For the soldering/desoldering of a very small SMD micro components in a single operation
- Extremely short preheating times
- Cost efficiency by sensor for recognition of the use (Stop + Go function)
- Individual iron calibration independently of the base station
- Mechanically pre-adjusted tip pairs

Scope of delivery of the set:

Micro soldering tweezers WXMT	513 177 99
Pair of soldering tips RTW 2	544 652 99
Safety rest WDH 60	515 169 99
<b>appropriate soldering tips</b>	<b>RTW series</b>

[dpvlink 14810](#)

Article	Type
513.178.99	<b>WXMT Set</b> Power 2 x 40 W

513.177.99	<b>WXMT Micro desoldering tweezers</b> (without tips) Power 2 x 40 W
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## WXMT MS micro desoldering tweezer set



The powerful, user-friendly set provides versatile performance for standard and micro-soldering applications in aerospace industry, electronics, sensor technology and medical technology as well as in military sector and automotive industry

Compatible with all Weller WX soldering stations



- For works under a microscope
- extremely short heating-up time: 5 seconds
- especially for requirements according to MIL-SPEC / IPC
- triple awarded, active soldering tips
- excellent heat transfer
- excellent reaction time
- RT soldering tips can be changed quickly and easily

Scope of delivery set:

Micro-desoldering tweezers WXMT MS 2 x 40 W, 12 V	513 179 99N
Soldering tip RTW 2MS 45°	544 657 99N
Safety rest WSR 204	515 178 99
<b>appropriate soldering tips</b>	<b>RTW series</b>

[dpvlink 24439](#)

Article	Type
513.208.99	<b>WXMT MS micro desoldering tweezer set</b>



## WXP 65 - Set



With the intelligent soldering tool WXP 65 an optimum of performance is achieved with a maximum power of only 65 Watts and so it is the suitable tool for fine soldering works requiring more heat.



- Works with XNT-"Fast Response" soldering tips
- Improved heat transfer by soldering tips with optimized sensor position
- Processing of measured data directly in the handle
- Sensor for recognition of the tool used (Stop + Go function)
- Individual calibration of the soldering iron independently of the base station
- Adjustment of tool-specific parameters directly in the iron
- Internal data memory
- LED ring light for optical process control

Scope of delivery of the set:

Soldering iron WXP 65 + soldering tip XNT 1	529 211 99
Safety rest WDH 10	515 121 99
<b>appropriate soldering tips</b>	<b>XNT series</b>

[dpvlink 15694](#)

Article	Type
529.211.99	<b>WXP 65 soldering iron 65 W</b> with soldering tip XNT 1



## WXP 80 - Set



With the intelligent soldering tool WXP 80 an optimum of performance is achieved with a maximum power of only 80 Watts and so it is the suitable tool for fine soldering works requiring more heat.



- intelligent soldering iron 80W, 24 V
- parameter logging in the iron e.g. stand-by temperatures, automatic switch-off time
- reduction of the consumption costs (heating element and soldering tips) due to sensor
- Silver-Line heating technology in the slim iron
- for universal soldering tasks with WX soldering stations
- very fast and precise heating up
- for medium components requiring much energy
- visual process control with LED signal function

Scope of delivery of the set:

Soldering iron WXP 80 + soldering tip LT B	529 208 99
Safety rest WDH 10	515 121 99
<b>appropriate soldering tips</b>	<b>XNT series</b>

[dpvlink 25576](#)

Article	Type
529.208.99	<b>WXP 80 soldering iron 80 W</b> with soldering tip LT B
529.209.99	<b>WXP 80 - Set</b> with soldering tip LT B



## WXP 120 - Set



The intelligent high-power soldering iron WXP 120 with 120 W was specifically developed and designed for the use with the WX2 soldering station. The data memory integrated in the WXP 120 allows the individual, application-oriented adjustment of tool-specific parameters, independently of an associated base station. A processing of the measured values is done directly in the handle. A use sensor detects movement as well as application in a cost-effective way. The LED ring light allows an optical process control. Suitable for soldering stations WX.



- Works with Weller advanced sensor technology soldering tips
- Processing of measured data directly in the handle
- Spring-loaded tip sleeve for optimal heat transfer
- Sensor for recognition of the tool used (Stop + Go function)
- Individual iron calibration independently of the base station
- Adjustment of tool-specific parameters directly in the iron
- Internal data memory
- LED ring light for optical process control

Scope of delivery of the set:

Soldering iron WXP 120 + XT soldering tip B	529 201 99
Safety rest WDH 10	515 121 99
<b>appropriate soldering tips</b>	<b>XT series</b>

dpvlink 14803

Article Type

529.202.99 **WXP 120 Set**  
Power 120 W

529.201.99 **WXP 120 soldering iron 120 W**  
with soldering tip XT B



## WXP 200 - Set



The most powerful iron among the WX tools. With its 200 Watt it is ideal for soldering work with requiring higher heat e.g. for LED backplanes or solar applications. Suitable for soldering stations WX.



- Works with Weller advanced sensor technology soldering tips
- Processing of measured data directly in the handle
- Spring-loaded tip sleeve for optimal heat transfer
- Sensor for recognition of the tool used (Stop + Go function)
- Individual iron calibration independently of the base station
- Adjustment of tool-specific parameters directly in the soldering iron
- Internal data memory
- LED ring light for optical process control

Scope of delivery of the set:

Soldering iron WXP 200 + soldering tip XHT D	529 205 99
Safety rest WDH 31	515 158 98
<b>appropriate soldering tips</b>	<b>XHT series</b>

dpvlink 15038

Article Type

529.205.99 **WXP 200 soldering iron 200 W**  
with soldering tip XHT D

529.206.99 **WXP 200 Set**  
Power 200 W



## WXDP 120 - Set



The intelligent desoldering iron WXDP 120 with 120 W was specifically developed and designed for the use with the WXDP soldering stations. The data memory integrated in the WXDP 120 allows the individual, application-oriented adjustment of tool-specific parameters, independently of an associated base station. A use sensor detects movement as well as application in a cost-effective way. The LED ring light allows an optical process control. Suitable for soldering stations WXDP.



- Practical finger switch for activating the vacuum
- Short preheating times - ready to use in only 35 s (20 s from standby mode)
- Extended nozzle shaft prevents a clogging of the extraction tube
- Quick exchange of the solder cartridge via bayonet lock
- Sensor for the recognition of the tool used (Stop + Go function)
- Individual iron calibration independently of the base station
- Internal data memory

- Adjustment of tool-specific parameters directly in the iron
- LED ring light for optical process control

Scope of delivery of the set:

Soldering iron WXDP 120	513 201 99
Safety rest WDH 70	515 172 99
<b>appropriate soldering tips</b>	<b>XDS series</b>

dpvlink 16463

Article Type

513.201.99 **WXDP 120 desoldering iron 120 W**

513.202.99 **WXDP 120 Set**  
Power 120 W



## WP 80 - Set



The WP 80 soldering iron convinces by its short shape, which is a big advantage for soldering work under the microscope. The distance from the handle to the soldering tip shaft is only 40 mm.

The soldering iron can be extended with a longer tip sleeve.

Scope of delivery - set:

Soldering iron WP 80 + soldering tip LT-B	529 180 99
Comfort rest WDH 10	515 121 99
<b>appropriate tips</b>	<b>LT series</b>

dpvlink 8307

Article Type

529.180.99 **WP 80 soldering iron with soldering tip LT-B**

529.181.99 **WP 80 soldering iron set**  
Temperature range 50°C - 450°C, power 80 W

587.448.45 **Tip holder short (40 mm) for WP80**

587.448.46 **Tip holder long (55 mm) for WP80**



## WSP 80 - Set



The Weller soldering iron WSP 80 reaches the soldering temperature quickly and accurately. It is possible to use the iron universally in all situations from fine soldering work to applications requiring a higher heat. As the operating temperature is reached with a very short time, the processing is possible immediately after exchanging the soldering tip.

### Scope of delivery - set:

Soldering iron WSP 80 + soldering tip LT-B 529 161 99

Rest WPH 80 515 140 99

**appropriate tips** **LT series**

**dpvlink** 3804



Article	Type
529.161.99	<b>WSP 80 soldering iron</b>
533.125.99	<b>WSP 80 soldering iron set</b> Temperature range 50°C - 450°C, power 80 W

## WTP 90 - Set



The new soldering iron with 90 W and 24V reaches the soldering temperature very quickly and precisely. With its slim design it is suitable for universal soldering tasks.

### Scope of delivery - set:

Soldering iron WTP 90 + soldering tip XNT A 529 222 99

Safety rest WSR 200 515 174 99

**appropriate tips** **XNT series**

**dpvlink** 19986



Article	Type
529.222.99	<b>WTP 90 soldering iron 90 W</b> with soldering tip XNT A
529.223.99	<b>WTP 90 Set</b> Temperature range 100°C - 450°C power 90 W

## WP 120 - Set



The high-power soldering iron WP 120 has the Advanced Sensor Technology by Weller (sensor is located at the extreme end of the tip), whereby the heating performance is comparable with the active soldering tip. Suitable for soldering stations WD 1M, WD 3M, WR 2.



- Works with Weller advanced sensor technology tips
- Very short preheating time
- Twice as much efficiency as with conventional soldering irons
- Optimal life cycle costs for soldering tips
- For large and complicated soldering connections
- Ideal for RF shielding plates or solar modules

### Scope of delivery - set:

Soldering iron WP 120 + soldering tip XT B 529 193 99

Safety rest WDH 10T with Stop + Go function 515 161 99

**appropriate tips** **XT series**

**dpvlink** 14807



Article	Type
529.194.99	<b>WP 120 Set</b> Power 120 W
529.193.99	<b>WP 120 soldering iron 120 W</b> with soldering tip XT B

## WSP 150 Set



The soldering iron reaches a temperature of 50° to 350°C in approx. 45 seconds. The iron is designed for soldering tasks requiring much heat and reaches a total temperature of 550°C.

### Scope of delivery - set:

Soldering iron WSP 150 + soldering tip LHT F 529 170 99

Safety rest WDH 515 152 99

**appropriate tips** **LHT series**

**dpvlink** 19999



Article	Type
529.189.99	<b>WSP 150 Set</b> Temperature range 50°C - 550°C power 150 W
529.170.99	<b>WSP 150 soldering iron 150 W</b> with soldering tip LHT F

## WP 200 - Set



The WP 200 was designed for soldering tasks with extremely high heat requirements. The 200 W heat output guarantees, together with the optimal heat transfer to the soldering tip, the high efficiency of the soldering iron. Suitable for soldering stations WD 3M, WR2, WR 3M.

### Scope of delivery - set:

Soldering iron WP 200 + soldering tip XHT D 529 199 99

Comfort rest WDH 31 515 158 98

**appropriate tips** **XHT series**

**dpvlink** 14639



Article	Type
529.199.99	<b>WP 200 soldering iron 200 W</b> with soldering tip XHT D

## WMPR Set



The Weller soldering pencil WMPR achieves its operating temperature in a very short time. Exchanging the soldering tip is possible without tools. When the iron is placed in the WMRH safety rest, the temperature is immediately switched off, which increases the service life significantly. Suitable for soldering stations WMRS, WD 1 M, WD 2M and WR 3M.

### Scope of delivery - set:

WMPR soldering iron handpiece 529 171 99

RT 3 soldering tip 544 603 99

WDH 50 safety rest with Stop + Go function 515 156 99

**appropriate soldering tips** **RT series**

Accessories:

Rest bracket for two RT tips for sideways fastening on the safety rest WMRH

**dpvlink** 7504



Article	Type
529.171.99	<b>WMPR soldering iron handpiece</b>
529.190.99	<b>WMPR soldering iron set</b>
587.518.16	<b>Rest bracket for 2 RT tips</b> For lateral attachment to the safety rest WMRH

## WMRT Set



The WMRT desoldering tweezers allow a precise soldering and desoldering of very small SMD components by its pairwise, parallel adjusted soldering tips. When placed in the safety rest WMRTH with Stop+Go function, adjustable soldering tips are switched off, which increases the durability.

Suitable for soldering stations WD 1M, WD 2M and WMRS.

### Scope of delivery - set:

Micro desoldering tweezers	513 174 99
Soldering tip pair RTW 2	544 652 99
Safety rest with Stop+Go function for WMRT	515 146 99

appropriate soldering tips **RTW series**

<b>dpvlink 7488</b>		
Article	Type	
513.173.99	<b>WMRT Set</b> Desoldering set 24 V, 40 W, micro desoldering tweezers WMRT	
513.174.99	<b>Micro desoldering tweezers WMRT</b> (without tips)	

## LR 21 Set



Standard soldering pencil. Universally usable due to its power of 50W and its wide range of tips.

### Scope of delivery - set:

LR 21 soldering iron, antistatic + soldering tip ET-B	525 106 99
Safety rest WDH 30	515 152 99

appropriate soldering tips **ET series**

<b>dpvlink 3808</b>		
Article	Type	
529.187.99	<b>LR 21 standard - soldering iron set</b> Temperature range 50°C - 450°C, power 50W	

## WTA 50 Set



The desoldering tweezers WTA 50 were designed to desolder SMD components and can be connected to all Temtronic stations. Two heating elements with their own temperature sensor ensure uniform temperatures on the two legs. The tips are fixed by clamping screws.

### Scope of delivery - set:

Desoldering tweezers WTA 50 + tips WTA-1	513 171 99
Rest AK 51	515 042 99

Accessories:

Setting gauge for soldering tips WT1-WT5	513 176 99
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appropriate soldering tips **WTA series**

<b>dpvlink 3814</b>		
Article	Type	
533.133.99	<b>Set ATP 50 - desoldering tweezer set</b> Temperature range 150°C - 450°C, power 2 x 25 W	
513.171.99	<b>Desoldering tweezers with tip set WTA 1</b>	

## HAP 1 Set hot-air soldering iron



Usable for the soldering and desoldering of surface mounted components. A wide range of nozzles makes it an universal tool.

### Scope of delivery - set:

HAP 1 hot air iron	527 115 99
Safety rest WDH 30	515 152 99
Nozzle R04 Ø 1.2 mm	587 278 21

<b>dpvlink 3854</b>		
Article	Type	
527.118.99	<b>HAP 1 - hot air iron set</b> Temperature range 50°C - 550°C, power 100 W	
527.115.99	<b>HAP 1 - hot air iron with hot air nozzle R 06 round</b>	

## DSX 80 Desoldering iron set



Due to its design the desoldering iron DSX 80 offers an ergonomic posture and a fatigue-free working even during longer use. The solder collector can be cleaned quickly and easily. The vacuum is activated by the finger switch integrated in the handle. A wide range of nozzles and CSF heads makes it a universal tool.

### Scope of delivery - set:

DSX 80 desoldering iron	513 190 99
Safety rest WDH 30	515 152 99
Suction nozzles DX 112	513 142 99
Suction nozzles DX 113	513 143 99
Cleaning set	513 500 99

<b>dpvlink 3856</b>		
Article	Type	
513.183.99	<b>DSX 80 desoldering set</b> Temperature range 50°C - 450°C, power 80 W	
513.190.99	<b>DSX 80 desoldering iron</b>	
513.500.99	<b>Cleaning set</b>	
513.603.99	<b>Sealing ring for glass containers (10 pieces)</b>	
513.604.99	<b>Filter for glass tube (10 pieces)</b>	
513.605.99	<b>Glass tube (4 pieces)</b>	

## DSX 120 Desoldering iron



Due to its construction the desoldering iron DSX 120 allows an ergonomic posture and a fatigue-free working even during longer use. The solder collector can be exchanged quickly and easily. The vacuum is activated by the finger switch integrated in the handle.



- 120 W power with the new Weller heating element technology
- Ready to use in 35 seconds (50 - 350 °C) (from standby mode in 20 seconds)
- Comfortable activation of the vacuum by the finger switch on the handle
- Easy and quick cleaning with the suction channel integrated in the XDS suction nozzle
- Proven exchange system for an easy exchange of the tin cartridge

- The filling level of the tin cartridge is visible at any time due to the transparent glass body

Suitable for Weller rework stations WR 2 and WR 3M

Appropriate soldering tips: XDS series

dpvlink 16468



Article	Type
513.198.99	DSX 120 desoldering iron
587.657.70	Sealing cap (10 pieces)
587.657.78	Glass tube with flap (4 pieces)

## Temperature measuring device WCU **NEU** Weller



- Temperature measuring device for soldering tips
- Digital display: quick change between temperature units °C and °F
- Measuring range: -150°C - +1200°C
- Backlighting
- max. hold function
- Counting function for temperature measurements
- Automatic switch-off
- Sensor is not included

dpvlink 26514



Article	Type
534.501.99	Temperature measuring device WCU
587.717.12	Sensors WCU for temperature measuring device WCU

## Soldering tip holder WCTH **NEU** Weller



- Clean and organized workplace with the WCTH soldering tip holder
- space for up to 16 Weller RT soldering tips
- vertical positioning of the soldering tips

dpvlink 26512



Article	Type
534.502.99	Soldering tip holder WCTH

## Soldering iron with fume extraction

Any soldering process produces inevitably harmful fumes and gases. These fumes are extracted by an extraction tube integrated in the solder iron exactly where there are produced - directly at the solder joint. There are a total of 5 specially developed soldering irons. But also the retrofitting of existing soldering iron is easy.

### FE 50 Soldering iron set 50W / 24V



FE 50 soldering iron set 50W / 24V



consists of:

Order No. Model Description

525.153.99	FE 50	FE soldering iron ET LT 50W/24V adapter and LTB soldering tip
515.020.99	KH 20	Safety rest
550.050.99		Funnel for FE 50 / FE 50M
525.409.99		Cleaning brush for extraction tube

dpvlink 13851



Article	Type
533.150.99	FE 50 set - soldering iron 24V / 50W Appropriate soldering tips: ET series
525.153.99	FE 50 soldering iron 50W / 24V with ET-LT adapter and LTB soldering tip

#### Accessories

515.020.99	KH 20 safety rest
515.020.99	KH 20 safety rest
550.050.99	Funnel for FE 50/FE 50M
550.050.99	Funnel for FE 50/FE 50M
525.409.99	Cleaning brush for extraction tube
525.409.99	Cleaning brush for extraction tube

### FE 50 M - FE Soldering iron Magnastat 50W / 24V



consists of:

Order No. Model Description

532.152.99	FE 50 M	FE soldering iron 50 W / 24 V Magnastat-controlled by PT-LT adapter and LTM soldering tip
550.050.99		Funnel for FE 50 / FE 50 M
525.409.99		Cleaning brush for extraction tube

dpvlink 13857



Article	Type
532.152.99	FE 50 M - Magnastat soldering iron 24V / 50W Suitable soldering tips: PT series

#### Accessories

550.050.99	Funnel for FE 50/FE 50M
550.050.99	Funnel for FE 50/FE 50M
525.409.99	Cleaning brush for extraction tube
525.409.99	Cleaning brush for extraction tube

## FE 75-Set Soldering iron set 80 W / 24V



### consists of:

Order No.	Model	Description
529.166.99	FE 75	FE soldering iron 80 W / 24 V with LTB soldering tip
515.020.99	KH 20	Safety rest
525.409.99		Cleaning brush for extraction tube

dpvlink 13858		QR
Article	Type	
533.151.99	<b>FE 75 -set- soldering iron set 80 W / 24V</b> Suitable soldering tips: LT series.	
529.166.99	<b>FE 75 soldering iron 80 W / 24 V</b> with soldering tip LT B	
<b>Accessories</b>		
515.020.99	KH 20 safety rest	
515.020.99	KH 20 safety rest	
525.409.99	Cleaning brush for extraction tube	
525.409.99	Cleaning brush for extraction tube	

## FE Retrofit kits (clip-on kits) for soldering irons



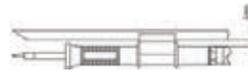
FE retrofit kits (clip-on kits) for soldering irons, fitting of the extraction tube with clamping fastening, the handling of soldering iron is not affected.

dpvlink 9614		QR
Article	Type	
525.125.99	<b>FE retrofit kit for LR 21, LR 82, TCPS; 61 W, W 101, WSP 150 only with rest AK 1</b>	
528.126.99	<b>FE retrofit kit for WSF 80D5/8 for AKS safety rest</b>	
513.125.99	<b>FE retrofit kit for the DS 22, 80 DS and DSX 80 desoldering iron</b>	

## Accessories for FE soldering irons

dpvlink 13861		QR
Article	Type	
536.352.99	<b>Locking clip for extraction hose</b>	
525.410.00	<b>Extraction hose</b> (Replacement, yard goods)	

## Universal FE retrofit kits



For Weller soldering irons WP 80, WSP 80, WMP, WMRP, MLR 21 or soldering irons with handle diameter  $\varnothing$  10-13 mm. Clip is attached to the soldering iron with an O-ring.

dpvlink 13863		QR
Article	Type	
529.186.99	<b>FE retrofit kit with extraction tube <math>\varnothing</math> 6 mm</b> for WSP 80, WP 80, MLR 21, MLR 80, WMP	
529.185.99	<b>FE retrofit kit with extraction tube <math>\varnothing</math> 4.5 mm</b> for WMRP and WSP 80, WP 80, MLR 21, MLR 80, WMP, recommended for fine soldering tasks	
587.448.75	<b>FE clip set for FE retrofit kit</b> Tube $\varnothing$ 4.5 mm	
587.448.76	<b>FE clip set for FE retrofit Kit</b> Tube $\varnothing$ 6.0 mm	

## Preheating plates

### Preheating plate WHP 80



#### Technical data:

galvanic separation of the heating plate from the network  
Size heated surface:  
80 x 50 mm  
Temperature range:  
50 °C - 200 °C ESD safe

dpvlink 3816		QR
Article	Type	
527.028.99	<b>WHP 80 Preheating plate 80 W</b> Connection to: WS 81, WSD 81, WSD 161, WSD 151, WMD 1D, WMD 3	

### Preheating plate WXHP 120



#### WXPH 120 preheating plate 120 W

- heated surface 220 x 150 mm
- temperature range 50°C - 300°C
- ESD safe
- platinum sensor
- internal parameter memory

Connection to:  
WX 1, WX 2, WXD 2, WXA 2, WXR 3

dpvlink 26711		QR
Article	Type	
527.029.99	WXPH 120 Preheating plate 120 W	

### Preheating plate WHP 1000



#### WHP 1000 preheating plate 1000 W, 230 V, 220 x 150 mm

- heated surface 220 x 150 mm
- temperature range 50°C - 300°C
- ESD safe

dpvlink 13775		QR
Article	Type	
533.648.99	<b>Preheating plate WHP 1000</b> Preheating plate 1000W, 230V, 220 x 150 mm	

## Infrared preheating plate WHP 200



**Infrared preheating plate 200 W / 230 V with easy fix PCB holder**

- Digital display of nominal and actual temperature
- Digital control electronics
- Infrared high-temperature radiator for a fast and effective heating
- Heated surface 120 x 60 mm
- Temperature range 50°C – 400°C
- ESD safe
- 2 Easy Fix PCB holders

**dpvlink 13777**

Article	Type
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533.716.99	<b>WHP 200 infrared preheating plate</b> 200W/230V with Easy Fix PCB holders
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## Infrared preheating plate for WHA 3000



Digital display of nominal and actual temperature, digital control electronics, 3 infrared high-temperature radiator for a fast and efficient heating, 2 heating zones selectable, external sensor (accessory) connectable, RS 232 interface for the connection to WHA 3000 hot air station (control over WHA 3000P), temperature range 50° - 400°C, heated surface 120 x 190 mm or 190 x 245 mm, ESD safe.

**dpvlink 9624**

Article	Type
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533.386.99	<b>WHP 3000 - 600W</b> with 120 x 190 mm heated surface
533.646.99	<b>WHP 3000 - 1200W</b> with 190 x 245 mm heated surface



## Soldering baths

### WSB 80



The WSB 80 soldering bath is a useful tool to prepare soldering components. The soldering bath is used e.g. to free wire ends or IC leads from solder particles.

The temperature of the soldering bath is steplessly adjustable between 50°C and 450°C by means of a 80 W supply unit. The device is suitable for lead-free solders.

#### Technical data:

Dimensions (L x W x H):	150 x 120 x 65 mm
Soldering bath:	H = 25 mm, = 20 mm
Operating voltage:	24 V
Performance:	80 W
Preheating time:	approx. 7 minutes (50°C - 350°C)
Temperature range:	50°C – 450°C

**dpvlink 3819**

Article	Type
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527.040.99	<b>WSB - soldering bath 80 W</b> Connection to: WS 81, WSF 81D8, WTSF 80
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### WSB 150



The WSB 150 soldering bath can be connected to all Weller 150 W stations with V2A collection tray for protecting against dripping solder residues, suitable for lead-free solders.

#### Technical data:

Dimensions (L x W x H):	150 x 120 x 65 mm
Soldering bath:	58 x 33 x 19 mm
Operating voltage:	24 V
Power:	150 W
Preheating time:	approx. 11 minutes (50°C - 350°C)
Temperature range:	50°C - 550°C

**dpvlink 7501**

Article	Type
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527.042.99	<b>WSB - soldering bath 150 W</b> Connection to: WT 2M, WT 2010M, WT 2020M
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## Automatic wire feeder

### FlowinSmart wire feeding system



Automatic wire feeder for effective, manual soldering processes. As a "helping hand" FlowinSmart allows a perfect soldering result due to an equal addition of the quantity of solder exactly preset at the device. By use of different modes (timer and pluse mode) the required amount of solder gets to the soldering point and a consistent and reproducible result is assured with every soldering process. FlowinSmart is ideal for efficient working e.g. on printed circuit boards, cable harnesses, plugs or switches.

At a glance:

- amount of solder can be preset for an effective manual soldering process
- precise wire feeding
- superior soldering quality
- adhesive internal faces of the feeding tube: no gluing of the flux, reduction of maintenance costs
- Start-Stop/Standby function
- Pulse - or Timer mode

#### Technical data

Total weight (without solder wire):	680 g
Max. weight of wire roll:	1 kg
Available wire diameter:	0.5 - 1 mm
Standard diameter:	0.8 mm
Feeding adjustable from:	1mm/s - 27.5 mm/s

dpvlink 19251		QR
Article	Type	
513.906.99	<b>WTFSF 80 Feeding unit</b> Soldering iron 80W with integrated wire feeding, soldering tip LT-B 2.4mm solder wire 0.5 - 1.0 mm suitable for soldering stations WD 1, WD 1M, WR 2, WR 3M, WS 81, WSD 81i, WSD 121	
513.907.99	<b>WTFSF 120 Feeding unit</b> Soldering iron 120W with integrated wire feeding, soldering tip LT-B 2.4mm solder wire 0.5 - 1.0 mm suitable for soldering stations WD 1M, WR 2, WR 3M, WSD 121	
513.911.99	<b>WXSFF 120 Feeding unit</b> Soldering iron 120W with integrated wire feeding, soldering tip LT-B 2.4mm solder wire 0.5 - 1.0 mm suitable for soldering stations WX 1, WX 2, WXA 2, WXD 2, WXR 3	

## Soldering / Desoldering tips

### Soldering tips (XNT series) for WXP 65 and WTP 90

#### XNT Soldering tip chisel-shaped



 for Weller soldering iron WXP 65 and WTP 90

##### dpvlink 15704

Article	Type	Tip	Thickness	Packing	Package size	QR
544.851.99	XNT A	1.6 mm	0.4 mm	individually	1 piece	
544.853.99	XNT D	4.0 mm	0.8 mm	individually	1 piece	
544.856.99	XNT 6	1.6 mm	0.4 mm	individually	1 piece	
544.857.99	XNT B	2.4 mm	0.8 mm	individually	1 piece	
544.858.99	XNT C	3.2 mm	0.8 mm	individually	1 piece	
544.859.99	XNT H	0.8 mm	0.4 mm	individually	1 piece	
544.860.99	XNT K	1.2 mm	0.4 mm	individually	1 piece	

#### XNT Soldering tip chisel-shaped slim



 for Weller soldering iron WXP 65 and WTP 90

##### dpvlink 15712

Article	Type	Tip	Thickness	Packing	Package size	QR
544.881.99	XNT 1SC	0.3 mm	0.1 mm	individually	1 piece	
544.862.99	XNT 1SC	0.4 mm	0.15 mm	individually	1 piece	

#### XNT Soldering tip chisel-shaped long



 for Weller soldering iron WXP 65 and WTP 90

##### dpvlink 16514

Article	Type	Tip	Thickness	Packing	Package size	QR
544.866.99	XNT L	2.0 mm	1.0 mm	individually	1 piece	

#### XNT Soldering tip chisel-shaped, bent 30°



 for Weller soldering iron WXP 65 and WTP 90

##### dpvlink 16508

Article	Type	Tip	Thickness	Packing	Package size	QR
544.873.99	XNT HX	0.8 mm	0.4 mm	individually	1 piece	
544.874.99	XNT 4X	1.2 mm	0.4 mm	individually	1 piece	
544.864.99	XNT AX	1.6 mm	0.8 mm	individually	1 piece	
544.882.99	XNT BX	2.4 mm	0.8 mm	individually	1 piece	
544.883.99	XNT MX	3.2 mm	0.8 mm	individually	1 piece	

#### XNT Soldering tip round



 for Weller soldering iron WXP 65 and WTP 90

##### dpvlink 15714

Article	Type	Ø	Packing	Package size	QR
544.870.99	XNT CS	3.2 mm	individually	1 piece	
544.869.99	XNT AS	1.6 mm	individually	1 piece	
544.850.99	XNT 1	0.5 mm	individually	1 piece	

#### XNT Soldering tip round slim



 for Weller soldering iron WXP 65 and WTP 90

##### dpvlink 15716

Article	Type	Ø	Packing	Package size	QR
544.852.99	XNT 1S	0.2 mm	individually	1 piece	

## XNT Soldering tip round bent 30°



for Weller soldering iron WXP 65 and WTP 90

**dpvlink 16511**



Article	Type	Ø	Packing	Package size
544.865.99	XNT 1X	0.4 mm	individually	1 piece
544.875.99	XNT 1SLX	0.4 mm	individually	1 piece

## XNT Soldering tip sloped 45°



for Weller soldering iron WXP 65 and WTP 90

**dpvlink 15718**



Article	Type	Ø	Packing	Package size
544.855.99	XNT 4	1.2 mm	individually	1 piece

## XNT Soldering tip tapered long



for Weller soldering iron WXP 65 and WTP 90

**dpvlink 16523**



Article	Type	Ø	Packing	Package size
544.868.99	XNT S	0.4 mm	individually	1 piece

## XNT Sloped blade tip



for Weller soldering iron WXP 65 and WTP 90

**dpvlink 15759**



Article	Type	Tip	Packing	Package size
544.863.99	XNT KN	2.0 mm	individually	1 piece

## XNT Gullwing tip



for Weller soldering iron WXP 65 and WTP 90

**dpvlink 15720**



Article	Type	Packing	Package size
544.854.99	XNT GW	individually	1 piece

## Soldering tips (XT series) for WP 120 + WXP 120

### XT Soldering tip chisel-shaped



for Weller soldering irons WP 120 and WXP 120

**dpvlink 11340**



Article	Type	Tip	Thickness	Packing	Package size
544.703.99	XT A	1.6 mm	0.7 mm	individually	1 piece
544.713.99	XT H	0.8 mm	0.4 mm	individually	1 piece
544.701.99	XT AL	1.6 mm	1.0 mm	individually	1 piece
544.704.99	XT B	2.4 mm	0.8 mm	individually	1 piece
544.738.99	XT B SL	2.5 mm	0.8 mm	individually	1 piece
544.705.99	XT C	3.2 mm	0.8 mm	individually	1 piece
544.706.99	XT D	4.6 mm	0.8 mm	individually	1 piece
544.707.99	XT E	5.9 mm	1.2 mm	individually	1 piece
544.702.99	XT M	3.2 mm	1.2 mm	individually	1 piece

### XT Soldering tip sloped 60°



for Weller soldering irons WP 120 and WXP 120

**dpvlink 14753**



Article	Type	Ø	Packing	Package size
544.708.99	XT AA	1.6 mm	individually	1 piece

### XT Soldering tip sloped 45°



for Weller soldering irons WP 120 and WXP 120

**dpvlink 14755**



Article	Type	Ø	Packing	Package size
544.709.99	XT BB	2.4 mm	individually	1 piece
544.710.99	XT CC	3.2 mm	individually	1 piece
544.730.99	XT DDH	4.0 mm	individually	1 piece

### XT Soldering tip sloped 30°



for Weller soldering irons WP 120 and WXP 120

**dpvlink 14758**



Article	Type	Ø	Packing	Package size
544.718.99	XT F	1.2 mm	individually	1 piece

### XT Soldering tip round



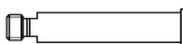
for Weller soldering irons WP 120 and WXP 120

**dpvlink 14760**



Article	Type	Ø	Packing	Package size
544.714.99	XT O	1.0 mm	individually	1 piece
544.715.99	XT BS	2.4 mm	individually	1 piece
544.716.99	XT CS	3.2 mm	individually	1 piece
544.717.99	XT DS	5.0 mm	individually	1 piece

### XT Adapter



for Weller soldering irons WP 120 and WXP 120

**dpvlink 14765**



Article	Type	Packing	Package size
544.719.99	XT Adapter M4	individually	1 piece

## Soldering tips (XTH series) for WP 200 + WXP 200

### XHT Soldering tip chisel-shaped

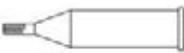


dpvlink 14768



Article	Type	Tip	Thickness
544.804.99	XHT C	3.2 mm	1.2 mm
544.801.99	XHT D	5.0 mm	1.2 mm
544.802.99	XHT E	7.6 mm	1.5 mm
544.805.99	XHT F	9.3 mm	2.0 mm

### XHT Measuring tip



dpvlink 14771



Article	Type	Thickness	Packing	Package size
544.803.99	XHT measuring tip	0.5 mm	individually	1 piece

## Soldering tips (RT series) for WXMP + WMRP

### RT Needle tip



dpvlink 6882



Article	Type	Ø
544.601.99	RTM 002 C	0.2 mm

### RT Point tip



dpvlink 6884



Article	Type	Ø
544.602.99	RTM 008 C	0.8 mm

### RT Chisel tip



dpvlink 6886



Article	Type	TipThickness
544.603.99	RTM 013 S	1.3 mm 0.4 mm
544.604.99	RTM 015 S	1.5 mm 0.4 mm
544.608.99	RTM 022 S	2.2 mm 0.4 mm
544.609.99	RTM 008 S	0.8 mm 0.4 mm
544.611.99	RTM 036 S	3.6 mm 0.9 mm
544.612.99	RTM 004 S	0.4 mm 0.15 mm

### RT Chisel tip bent 30°



dpvlink 6889



Article	Type	TipThickness
544.603.73	RTM 013 S X	1.3 mm 0.5 mm
544.605.99	RTM 008 S X	0.8 mm 0.4 mm

### RT Round tip sloped 45°



dpvlink 6891



Article	Type	Ø
544.606.99	RTM 012 B	1.2 mm

### RT Blade tip sloped 45°



dpvlink 6893



Article	Type
544.607.99	RTM 030 K

### RT Gullwing tip



dpvlink 8302



Article	Type
544.610.99	RTM 020 G

### RT Measuring tip



dpvlink 13771



Article	Type
544.613.99	Measuring tip RTM 028 X

### Soldering tip holder WCTH



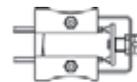
- Clean and organized workplace with the WCTH soldering tip holder
- space for up to 16 Weller RT soldering tips
- vertical positioning of the soldering tips

dpvlink 26512



Article	Type
534.502.99	Soldering tip holder WCTH

## Soldering tips (RTW series) for WXMT + WMRT



Adjusted soldering tip pairs for WXMT and WMRT

### Soldering tip pair RTW 1, 45°



dpvlink 7491



Article	Type	Thickness
544.651.99	RTW 1	0.4 mm

### Soldering tip pair RTW 2, 45°



dpvlink 7493



Article	Type	TipThickness
544.652.99	RTW 2	0.4 mm 0.7 mm

### Soldering tip pair RTW 3, 45°



dpvlink 7495



Article	Type	TipThickness
544.653.99	RTW 3	0.7 mm 3.0 mm

### Soldering tip pair RTW 4, 45°



dpvlink 7497



Article	Type	TipThickness
544.654.99	RTW 4	0.7 mm 6.0 mm

### Soldering tip pair RTW 6NW, 45°



dpvlink 13559



Article	Type	Thickness
544.656.99	RTW 6NW	0.2 mm

chrome-plated, unwettable, for the soldering and desoldering of micro components

## Soldering tips (RTP series) for WXPP

### RTP - Needle tip



**dpvlink 25602**

Article	Type	Ø
501.031.99	RTP 001 C	0.1 mm
501.032.99	RTP 001 C NW	0.1 mm
501.033.99	RTP 002 C	0.2 mm
501.034.99	RTP 004 C	0.4 mm

### RTP - Needle tip bent



**dpvlink 25603**

Article	Type	Ø
501.035.99	RTP 001 C X	0.1 mm
501.036.99	RTP 002 C X	0.2 mm

### RTP - Round tip sloped



**dpvlink 25644**

Article	Type	Ø
501.037.99	RTP 004 B	0.4 mm
501.038.99	RTP 012 B	1.2 mm

### RTP Chisel tip



**dpvlink 25592**

Article	Type	TipThickness
501.039.99	RTP 002 S	0.2 mm 0.1 mm
501.040.99	RTP 002 S NW	0.2 mm 0.1 mm
501.041.99	RTP 004 S	0.4 mm 0.2 mm
501.042.99	RTP 008 S	0.8 mm 0.3 mm
501.043.99	RTP 010 S	1.0 mm 0.3 mm
501.044.99	RTP 013 S	1.3 mm 0.3 mm

### RTP - Blade tip



**dpvlink 25604**

Article	Type	TipThickness
501.045.99	RTP 010 K	1.0 mm 0.2 mm
501.046.99	RTP 010 K NW	1.0 mm 0.2 mm
501.047.99	RTP 025 K	2.5 mm 0.3 mm

### RTP Gullwing tip



**dpvlink 26464**

Article	Type
501.048.99	RTP 020 G

## Soldering tips (RTP series) for WXPP MS

### RTP - Needle tip MS



**dpvlink 25596**

Article	Type	Ø
501.013.99	RTP 001 C MS	0.1 mm
501.014.99	RTP 001 C NW MS	0.1 mm
501.015.99	RTP 002 C MS	0.2 mm
501.016.99	RTP 004 C MS	0.4 mm

### RTP - Needle tip MS bent



**dpvlink 25597**

Article	Type	Ø
501.017.99	RTP 001 C X MS	0.1 mm
501.018.99	RTP 002 C X MS	0.2 mm

### RTP - Round tip MS sloped



**dpvlink 25598**

Article	Type	Ø
501.019.99	RTP 004 B MS	0.4 mm
501.020.99	RTP 012 B MS	1.2 mm

### RTP Chisel tip MS



**dpvlink 25599**

Article	Type	TipThickness
501.021.99	RTP 002 S MS	0.2 mm 0.1 mm
501.022.99	RTP 002 S NW MS	0.2 mm 0.1 mm
501.023.99	RTP 004 S MS	0.4 mm 0.2 mm
501.024.99	RTP 008 S MS	0.8 mm 0.3 mm
501.025.99	RTP 010 S MS	1.0 mm 0.3 mm
501.026.99	RTP 013 S MS	1.3 mm 0.3 mm

### RTP - Blade tip MS



**dpvlink 25600**

Article	Type	TipThickness
501.027.99	RTP 010 K MS	1.0 mm 0.2 mm
501.029.99	RTP 025 K MS	2.5 mm 0.3 mm

### RTP Gullwing tip MS



**dpvlink 25601**

Article	Type	Ø
501.030.99	RTP 020 G MS	2.0 mm

## Soldering tips (RTU series) for WXUP MS

### RTU - Needle tip MS



**dpvlink 25611**

Article	Type	Ø
501.049.99	RTU 004 C MS	0.4 mm
501.050.99	RTU 008 C MS	0.8 mm
501.051.99	RTU 016 C MS	1.6 mm
501.070.99	RTU 006 C L MS	0.6 mm
501.071.99	RTU 003 C L MS	0.3 mm
501.075.99	RTU 010 C L MS	1.0 mm

### RTU - Needle tip MS bent



**dpvlink 25612**

Article	Type	Ø
501.052.99	RTU 004 C X MS	0.4 mm
501.053.99	RTU 008 C X MS	0.8 mm
501.054.99	RTU 016 C X MS	1.6 mm

### RTU - Round tip sloped MS



**dpvlink 25613**

Article	Type	Ø
501.055.99	RTU 020 B MS	2.0 mm
501.056.99	RTU 035 B MS	3.5 mm
501.057.99	RTU 050 B MS	5.0 mm
501.076.99	RTU 015 B L MS	1.5 mm

### RTU - Blade tip MS



**dpvlink 25617**

Article	Type	TipThickness
501.079.99	RTU 060 K L MS	6.0 mm 0.4 mm

## RTU - Blade tip MS



dpvlink 25616

Article	Type	TipThickness
501.066.99	RTU 100 K MS	10.0 mm 1.5 mm
501.067.99	RTU 160 K MS	16.0 mm 1.5 mm
501.068.99	RTU 200 K MS	20.0 mm 1.5 mm
501.069.99	RTU 330 K MS	33.0 mm 1.5 mm

Article	Type	TipThickness
501.066.99	RTU 100 K MS	10.0 mm 1.5 mm
501.067.99	RTU 160 K MS	16.0 mm 1.5 mm
501.068.99	RTU 200 K MS	20.0 mm 1.5 mm
501.069.99	RTU 330 K MS	33.0 mm 1.5 mm



## RTU - Chisel tip MS



dpvlink 25614

Article	Type	TipThickness
501.058.99	RTU 015 S MS	1.5 mm 0.4 mm
501.059.99	RTU 022 S MS	2.2 mm 0.6 mm
501.060.99	RTU 032 S MS	3.2 mm 0.8 mm
501.061.99	RTU 032 S L MS	3.2 mm 0.8 mm
501.062.99	RTU 050 S MS	5.0 mm 1.2 mm
501.063.99	RTU 076 S MS	7.6 mm 1.5 mm
501.064.99	RTU 093 S MS	9.3 mm 2.0 mm
501.073.99	RTU 006 S L MS	0.6 mm 0.3 mm
501.074.99	RTU 012 S L MS	1.2 mm 0.3 mm
501.077.99	RTU 022 S L MS	2.2 mm 1.0 mm
501.080.99	RTU 018 S L MS	1.8 mm 0.8 mm

Article	Type	TipThickness
501.058.99	RTU 015 S MS	1.5 mm 0.4 mm
501.059.99	RTU 022 S MS	2.2 mm 0.6 mm
501.060.99	RTU 032 S MS	3.2 mm 0.8 mm
501.061.99	RTU 032 S L MS	3.2 mm 0.8 mm
501.062.99	RTU 050 S MS	5.0 mm 1.2 mm
501.063.99	RTU 076 S MS	7.6 mm 1.5 mm
501.064.99	RTU 093 S MS	9.3 mm 2.0 mm
501.073.99	RTU 006 S L MS	0.6 mm 0.3 mm
501.074.99	RTU 012 S L MS	1.2 mm 0.3 mm
501.077.99	RTU 022 S L MS	2.2 mm 1.0 mm
501.080.99	RTU 018 S L MS	1.8 mm 0.8 mm



## RTU - Gullwing tip MS



dpvlink 25615

Article	Type	Ø
501.065.99	RTU 020 G MS	2.0 mm



## Soldering tips (LT series) for WP80, WSP80, FE75

### LT Soldering tip chisel-shaped



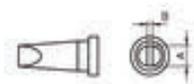
for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 9598

Article	Type	Tip	Thickness	Packing	Package size
544.494.99	LT 1SC	0.15 mm	0.4 mm	individually	1



### LT Soldering tip chisel-shaped



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6824

Article	Type	Tip	Thickness	Packing	Package size
544.437.99	LT H	0.8 mm	0.4 mm	individually	1 piece
544.437.10	LT H	0.8 mm	0.4 mm	loose	10 piece
544.440.99	LT A	1.6 mm	0.7 mm	individually	1 piece
544.440.10	LT A	1.6 mm	0.7 mm	loose	10 piece
544.405.99	LT B	2.4 mm	0.8 mm	individually	1 piece
544.405.10	LT B	2.4 mm	0.8 mm	loose	10 piece
544.407.99	LT C	3.2 mm	0.8 mm	individually	1 piece
544.407.10	LT C	3.2 mm	0.8 mm	loose	10 piece
544.409.99	LT D	4.6 mm	0.8 mm	individually	1 piece
544.409.10	LT D	4.6 mm	0.8 mm	loose	10 piece



### LT Soldering tip chisel-shaped long



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6839

Article	Type	Tip	Thickness	Packing	Package size
544.438.99	LT K	1.2 mm	0.4 mm	individually	1 piece
544.438.10	LT K	1.2 mm	0.4 mm	loose	10 piece
544.414.99	LT L	2.0 mm	1.0 mm	individually	1 piece
544.414.10	LT L	2.0 mm	1.0 mm	loose	10 piece
544.415.99	LT M	3.2 mm	1.2 mm	individually	1 piece



## LT Soldering tip chisel-shaped bent



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6840

Article	Type	Tip	Thickness	Packing	Package size
544.420.99	LT HX	0.8 mm	0.4 mm	individually	1 piece
544.420.10	LT HX	0.8 mm	0.4 mm	loose	10 piece
544.443.99	LT ALX	1.6 mm	0.7 mm	individually	1 piece
544.442.99	LT BX	2.4 mm	0.8 mm	individually	1 piece



## LT Soldering tip round slim



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6828

Article	Type	Tip	Packing	Package size
544.436.99	LT 1 S	0.2 mm	individually	1 piece
544.488.99	LT 1SA	0.5 mm	individually	1 piece



## LT Soldering tip round



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6825

Article	Type	Tip	Packing	Package size
544.435.99	LT 1	0.25 mm	individually	1 piece
544.435.10	LT 1	0.25 mm	loose	10 piece
544.489.99	LT 1A	0.5 mm	individually	1 piece
544.404.99	LT AS	1.6 mm	individually	1 piece
544.411.99	LT CS	3.2 mm	individually	1 piece



## LT Soldering tip round bent



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6826

Article	Type	Tip	Thickness	Packing	Package size
544.428.99	LT 4X	1.2 mm	0.4 mm	individually	1 piece
544.427.99	LT AX	4.6 mm	0.8 mm	individually	1 piece
544.425.99	LT 1X	2.0 mm	0.4 mm	individually	1 piece



## LT Soldering tip round slim bent



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6827

Article	Type	Tip	Thickness	Packing	Package size
544.426.99	LT 1SLX	2.0 mm	0.4 mm	individually	1 piece



## LT Soldering tip round sloped slim



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6833

Article	Type	Tip	Packing	Package size
544.439.99	LT 4	1.2 mm	individually	1 piece



## LT Soldering tip round sloped



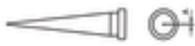
for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

dpvlink 6832

Article	Type	Tip	Packing	Package size
544.408.99	LT F	1.2 mm	individually	1 piece
544.408.10	LT F	1.2 mm	loose	10 piece



## LT Soldering tip round tapered



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

**dpvlink 6829**



Article	Type	Tip	Packing	Package size
544.423.99	LT 1L	0.2 mm	individually	1 piece
544.406.99	LT S	0.4 mm	individually	1 piece
544.406.10	LT S	0.4 mm	loose	10 piece

## LT Soldering tip round tapered long bent



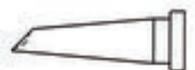
for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

**dpvlink 6830**



Article	Type	Tip	Packing	Package size
544.424.99	LT 1LX	0.2 mm	individually	1 piece

## LT Gullwing tip



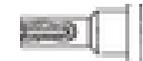
for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

**dpvlink 6834**



Article	Type	Tip	Thickness	Packing	Package size
544.410.99	LT GW	2.3 mm	3.2 mm	individually	1 piece
544.410.10	LT GW	2.3 mm	3.2 mm	loose	10 piece

## LT Measuring tip



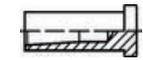
for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

**dpvlink 6835**



Article	Type
544.416.00	LT measuring tip for thermocouple Ø 0.5 m

## LT Adapter



for Weller soldering irons WP 80, WSP 80, MPR 80 and FE 75

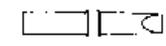
**dpvlink 6836**



Article	Type
544.417.99	LT Adapter for SMD tips 13.5 mm

## Soldering tips (ET series) for LR 21 and FE50

### Soldering tips chisel-shaped

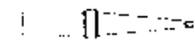


**dpvlink 4371**



Article	Type	TipThickness
4ETHL-1	ET-HL	0.8 mm 0.4 mm
4ETA-1	ET A	1.6 mm 0.7 mm
4ETB-1	ET B	2.4 mm 0.8 mm
4ETC-1	ET C	3.0 mm 0.8 mm
4ETD-1	ET D	4.6 mm 0.8 mm
4ETE-1	ET E	5.6 mm 1.2 mm

### Soldering tips chisel-shaped long



**dpvlink 4378**



Article	Type	TipThickness
4ETKL-1	ET-KL	1.2 mm 0.8 mm
4ETL-1	ET L	2.0 mm 1.0 mm
4ETM-1	ET M	3.2 mm 1.2 mm

## Soldering tips pointed long



**dpvlink 4391**



Article	Type	Tip
4ETO-1	ET O	0.8 mm
4ETSL-1	ET-SL	0.4 mm

## Soldering tips chisel-shaped slim

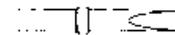


**dpvlink 4394**



Article	Type	Tip
4ETR-1	ET R	1.6 mm

## Chip soldering / desoldering tip

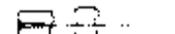


**dpvlink 4398**



Article	Type	TipThickness
541.039.99	ET SMD	2.5 mm 1.5 mm
541.040.99	ET SMD	3.8 mm 1.5 mm

## ET Measuring tip



**dpvlink 4401**



Article	Type
524.750.99	ET measuring tip

## Soldering tip for gullwings



**dpvlink 4444**



Article	Type
541.045.99	ET GW Gullwing tip

## ET Tool for soldering tip exchange



**dpvlink 4405**



Article	Type
587.488.61	Tool for soldering tip exchange

## ET-LT Adapter



**dpvlink 6821**



Article	Type
587.207.81	ET LT Adapter For the use of LR 21 and FE 50 with soldering tips of the LT series

## Soldering and desoldering tips

### Inserts for WTA-50



**dpvlink 4561**



Article	Type	Tip	Thickness
544.141.99	WTA 1, bent 45°	1.0 mm	0.5 mm
544.145.99	WTA 1S, bent 45°	0.5 mm	0.5 mm
544.146.99	WTA 2, bent 45°	3.0 mm	0.5 mm
544.147.99	WTA 3, bent 45°	6.0 mm	0.5 mm
544.143.99	WTA 4, bent 45°	12.5 mm	0.5 mm
544.144.99	WTA 5, bent 45°	18.5 mm	0.5 mm
544.152.99	WTA 11, vertical application	1.0 mm	0.5 mm
544.153.99	WTA 12, vertical application	3.0 mm	0.5 mm

## Suction / desoldering nozzles

Weller suction nozzles serve to remove solder on all types of solder joints. They are heated and melt the solder. When activating the vacuum on the soldering iron, the liquid solder is absorbed by the nozzle integrated in the tube and directed in the solder collector.

The suction nozzles can be exchanged with a short turn (approx. 90°C) of the eccentric quick-change construction. The transition between the heating element and suction nozzle ensures an optimal heat transfer due to its tapered design.

### Suction nozzles eccentric fastening for DSX 80, DSXV 80

dpwlink 6867



Article	Type	Test No.	Internal Ø	External Ø	L [mm]
 513.140.99	DX 110	0	0.7 mm	1.9 mm	23 mm
 513.141.99	DX 111	1	0.7 mm	2.5 mm	23 mm
 513.142.99	DX 112	2	1.0 mm	2.3 mm	23 mm
 513.143.99	DX 113	3	1.20 mm	2.5 mm	23 mm
 513.150.99	DX 113HM	3	1.20 mm	2.5 mm	23 mm
 513.144.99	DX 114	4	1.8 mm	3.3 mm	23 mm
 513.145.99	DX 115	5	0.7 mm	1.9 mm	23 mm
 513.146.99	DX 116	6	1.20 mm	2.7 mm	29 mm
 513.147.99	DX 117	7	0.7 mm	2.7 mm	23 mm
 513.148.99	DX 118	8	0.7 mm	1.5 mm	23 mm
 513.151.99	DX 119	9	0.7 mm	1.1 mm	31 mm
 513.152.99	DX 120		1.1 mm	2.5 mm	22 mm
 513.153.99	Measuring nozzle		0.55 mm	3.3 mm	21.5 mm
 587.067.94	Cone insert cleaning tool				
513.790.99	Suction nozzles set DX 110 - 115 DX				

### XDS suction nozzle series for WXDP 120 and DSX 120

dpwlink 16470

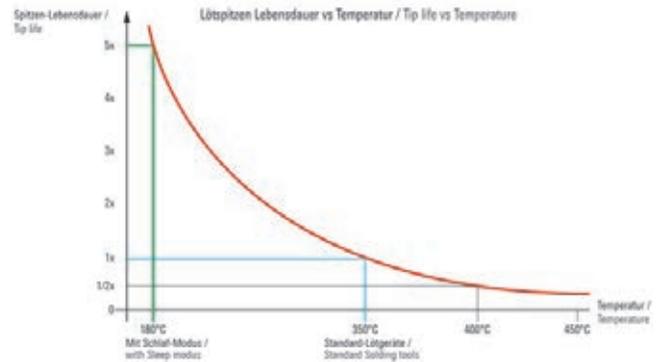


Article	Type	Internal Ø	External Ø	Packing	Package size
513.250.99	XDS 1	1.4 mm	2.5 mm	individually	1 piece
513.251.99	XDS 2	3.0 mm	5.3 mm	individually	1 piece
513.252.99	XDS 3	1.0 mm	2.3 mm	individually	1 piece
513.253.99	XDS 4	1.20 mm	2.5 mm	individually	1 piece
513.254.99	XDS 5	1.8 mm	3.3 mm	individually	1 piece
513.255.99	XDS 6	0.7 mm	1.9 mm	individually	1 piece
513.256.99	XDS 7	1.20 mm	2.7 mm	individually	1 piece
513.257.99	XDS 8	1.5 mm	2.9 mm	individually	1 piece
513.258.99	XDS 9 Measuring tip			individually	1 piece

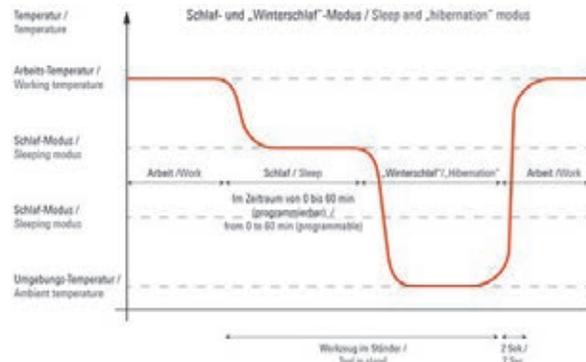


JBC is a recognized manufacturer of soldering and repair tools for the electronics sector. Innovation, efficiency and reliability distinguish a large range of tools designed to satisfy the highest requirements of the professionals.

The manufacturer is well-known for the exclusive JBC heating system: within two seconds the soldering stations reach the recommended temperature of 350 °C. Due to the precise heating the service life of these soldering tips is much higher than of soldering tips that are heated up to more than 400 °C.



In addition to the "working mode" JBC soldering stations have also a "sleep and hibernation mode". Both modes protect your soldering tips as well reducing the temperature when the soldering iron is put into the safety rest.



All JBC products fulfill the CE regulations and the ESD recommendations.

## JBC Compact Line soldering station

### CD-2SQF soldering station



The JBC CD-2SQF is comfortable to operate. Due to the heat-resistant handpiece you do not have any problems with the extremely fast heating-up time of few minutes. The sleep function increases the shelf life of the soldering tips. The exchange of the soldering tip cartridge can be changed quickly, easily and safely with the integrated safety rest.



#### Scope of delivery:

- CD-2F supply unit 230 V
- T210-A precision soldering iron 40 Watt

#### Technical data:

Weight	2.7 kg
Dimensions	170 x 176 x 145 mm
Tension	230 V
Power	40 W
Temperature range	90 - 450 °C
Ambient temperature	10 - 50 °C

#### dpmlink 24796

Article Type

JBC-CD-2SQF **CD-2SQF soldering station**  
Temperature range 90 - 450°C, power 40 W



### JBC CD-2BQF soldering station



The CD-2BQF is designed for general electronic applications. Due to the JBC exclusive heating systems and the intelligent sleep and hibernation features the service life of the soldering tips is 5 times higher. Via an USB connection it is possible to update the software, to create graphics and to manage up to 10 parameters. The cleaning system with an anti-splash membrane keeps the working area clean.



#### Scope of delivery:

- CD supply unit 230 V
- T245-A precision soldering iron 50 Watt

Soldering tips are not included in the scope of delivery

#### Technical data:

Weight	2.74 kg
Dimensions	170 x 176 x 145 mm
Voltage	230 V
Power	130 W
Temperature range	90 - 450 °C
Environment temperature	10 - 50 °C

#### dpmlink 22781

Article Type

JBC-CD-2BQF **JBC CD-2BQF soldering station**  
Temperature range 90 - 450°C, power 130 W  
without soldering tips



### CP-2QF soldering station



The JBC soldering station CP-2QF and the micro-desoldering tweezers have been designed to solder and desolder your SMD components. The quick heating process and the high accuracy are controlled by a microprocessor in the control unit.



#### Scope of delivery:

- CP supply unit 230V - 80 Watt
- AM 120-A micro-tweezers 40 Watt
- No soldering tips included.

#### Technical data:

Weight	2.70 kg
Dimensions	716 x 170 x 145 mm
Voltage	230 V
Power	80 W
Temperature range	90 - 450 °C
Environmental temperature	10 - 50 °C

#### dpmlink 25128

Article Type

JBC-CP-2QF **CP-2QF soldering station**  
Temperature range 90 - 450°C, power 80 W



## JBC Premium Line soldering station

### DDSE-20C soldering station



Complete solution for a quick and safe **repair**, exclusively with the JBC heating system and intelligent **sleep and hibernation modes**.



#### Scope of delivery:

- DDE 2 supply unit 230 V
- T245-A soldering iron 130 Watt
- DR560-A desoldering iron 160 Watt
- AD-SE holder for T210 & T245
- DR-SE holder for DR560
- MSE-A electrical suction module
- CL8499 ESD soldering tip cleaner
- SCH-A soldering tip holder

#### Technical data supply unit:

Model	DDSE-20C
Pump	electrical
Weight	3.82 kg
Dimensions	148 x 120 x 232 mm
Voltage	230 V
Power	150 W
Temperature range	90 - 450 °C
Ambient temperature	10 - 50 °C

#### dpvlink 23211

Article	Type
JBC-DDSE-20C	DDSE-20C soldering station electrical without soldering tips



## Hot-air devices Leister

### HOT-JET S



The hot air soldering device HOT-JET S is characterized by a high heating capacity and a large quantity of air. The air flow is steplessly adjustable between 20 l/min and 80 l/min via a potentiometer. The hot air stream is steplessly adjustable between 20°C and 600°C and can be finely adjusted appropriately for the soldering and desoldering of smallest components. A low noise level of 59 dB(A) allows a comfortable working. The device can be grounded via a push button (important for ESD sensitive parts).

#### Technical data:

Power:	230 V, 460 W, 50/60 Hz
Temperature:	20°C - 600°C steplessly adjustable
Air flow:	20 - 80 l/min steplessly
Dimensions:	40 x 230 mm
Weight:	375 g

#### dpvlink 3884

Article	Type
300.100	HOT-JET-S hot air soldering device (without nozzles)



### Soldering nozzle



For a contact-free desoldering and soldering, push-fit on HOT-JET-S

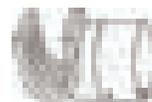


#### dpvlink 3888

Article	Type
300.150	Tubular nozzle 5 mm (standard)
300.153	Soldering nozzle 3 x 1.5 mm, oval
300.151	Soldering nozzle Ø 2 mm, round
300.154	Soldering nozzle Ø 4 mm, round



### Sieve reflector (shrinking)



#### dpvlink 14182

Article	Type
300.107.310	Sieve reflector 20 x 35 mm
300.107.311	Sieve reflector 34 x 50 mm



### Spoon reflector (shrinking)



#### dpvlink 14185

Article	Type
300.107.312	Spoon reflector 25 x 30 mm



## Soldering accessories

### Soldering tip cleaner

#### WDC - Dry Cleaner



The solution for cleaning problems with lead-free solders by special metal wool. Primary cleaning of the soldering tip by tapping it in the collecting tray, fine cleaning by brushing and turning in the spiral wool.



dpvlink 7481

Article	Type
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515.124.99	<b>WDC - Dry Cleaner</b>
513.824.99	<b>WDC cleaning wool stainless steel</b> Replacement metal wool for WDC (2 pieces)



#### WDC 2 - Dry Cleaner



WDH for safety rests  
The solution for cleaning problems with lead-free solders by special spiral wool. Fine cleaning of the soldering tip by brushing and turning it in the spiral wool.



dpvlink 15047

Article	Type
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515.125.99	<b>WDC 2 - Dry Cleaner</b> for WDH safety rests
513.841.99	<b>WDC 2 cleaning wool brass</b> Replacement metal wool for WDC 2 (2 pieces)
513.825.99	<b>WDC 2 cleaning wool stainless steel</b> Replacement metal wool for WDC 2 (2 pieces)



#### WDC Cleaning set



**WDC - cleaning set consists of:**

- WDC dry cleaner
- WPB1 polishing stone
- Tip activator
- stainless steel brush

**WDC 2 - cleaning set consists of:**

- WDC dry cleaner
- Tip activator
- stainless steel brush



dpvlink 13768

Article	Type
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515.127.99	<b>WDC 2 Cleaning set complete</b>
515.126.99	<b>WDC Cleaning set complete</b>



#### WPB1 Polishing stone



**Polishing stone to remove thick oxide films on soldering tips.**

Cleaning is only possible in the cold state of the soldering tip.



dpvlink 13825

Article	Type
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WPB1	<b>Polishing stone</b> to remove thick oxide films on soldering tips
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#### Stainless steel brush (3 pieces)



dpvlink 13823

Article	Type
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513.827.99	<b>Stainless steel brush (3 pieces)</b>
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#### HAKKO Soldering tip cleaner FT 710



Soldering tip cleaner with rotating brush rollers - prevents splashes and reduces the oxidation of the tips

- prevents solder from splashing
- suitable for many HAKKO soldering irons and tips
- predetermine the remaining solder amount on the tips
- reduces the heat loss of the soldering tips
- easy maintenance
- ESD safe (grounding cable not included)
- low-noise operation
- energy-saving, low operating costs with only 5 Watt (model AC adapter)

Scope of delivery:



FT-710	Soldering tip cleaner incl. cable
HA-A1567 /	2 brush rollers
HA-A1566	(stainless steel or plastic)
HA-B3517	Soldering tip receptable A
HA-B3518	Soldering tip receptable B
B 3523	Locking nut
	measuring template

dpvlink 24143

Article	Type
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HA-FT710-01	<b>HAKKO Soldering tip cleaner FT 710-01</b> with rotating bush rollers B (stainless steel) HA-A1567
HA-FT710-05	<b>HAKKO Soldering tip cleaner FT 710-05</b> with rotating bush rollers A (plastic) HA-A1566



#### HAKKO Soldering tip polisher FT 700



Soldering tip cleaner - cleaning and polishing of the tip with rotating bronze brushes and a regeneration of the surface

- for scaled, discolored soldering tips that do not take up any solder
- with rotating, motorized bronze brushes to remove onerous covering and persisting flux residues from soldering tips

Scope of delivery:



FT-700	Soldering tip polisher
B 3052	2 bronze brushes
FS 100	Paste 10g
B 3051	Small cleaning brush with handle

dpvlink 24140

Article	Type
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HA-FT700-13	<b>HAKKO Soldering tip polisher FT 700</b>
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## Accessories HAKKO



dpvlink 24147



Article	Type
HA-A1566	<b>HAKKO cleaning brushes A</b> for HAKKO soldering tip cleaner FT 710 plastic bristles (PU = 2 pieces)
HA-A1567	<b>HAKKO cleaning brushes B</b> for HAKKO soldering tip cleaner FT 710 stainless steel bristles (PU = 2 pieces)
HA-B3517	<b>HAKKO receptable A</b> for HAKKO soldering tip cleaner FT 710 suitable for HAKKO soldering tips type T12/T15/T11 (not suitable for soldering tips format JL02/tunner/quad/spatula)
HA-B3518	<b>HAKKO receptable B</b> for HAKKO soldering tip cleaner FT 710 suitable for HAKKO soldering tips type T14/T18/900M
HA-B3519	<b>HAKKO receptable C</b> for HAKKO soldering tip cleaner FT 710 suitable for HAKKO soldering tips type T10/T13/T17/T20
HA-B3052	<b>HAKKO cleaning brushes for FT 700</b> bronze brushes (PU = 2 pieces)
HA-B3051	<b>HAKKO small cleaning brush with handle</b> for FT 700

## Tip activator

Weller



Regenerates oxidized tips, 25 g, economically friendly, without using halogens, lead or rosin, residue-free, functioning at low temperatures, prolongs considerably the possible service life of the soldering tips.

dpvlink 7484



Article	Type
513.031.99	<b>Tip activator</b>

## Tinner "lead-free"

FELDER



Tinner "lead-free" - consisting of a mixture of solder activators, resins, solder powder and binders **bleifrei**

- for the cleaning and tinning of soldering tips
- removes carefully even thick oxide films with minimal smoke generation

dpvlink 17086



Article	Type
FE-27100011	<b>FELDER tinner</b> can approx. 15 g (with adhesive pad on the bottom side)

## Desoldering braids

### Desoldering braids SODER WICK



**SODER-WICK** is the world's leading brand when it comes to desoldering braids. The braids are the fastest, cleanest and safest ones in the industry. The processing and repair time is considerably shortened and the risk of damage of the PCBs by heat is reduced to a minimum. The geometrically precise fabric structure allows a maximum capillary activity and soldering performance.

### Soder-Wick "Lead-Free" SD desoldering braid

Chemtronics



The fastest and safest flux desoldering braid for lead-free applications, packed in ESD reels.

- **für bleifrei Einsatz**
- packed in ESD safe reels
- patented corrosion-free flux
- leaves no ionic contamination
- RoHS compliant

dpvlink 7752



Article	Type
SW.40-1-5.ESD	Desoldering braid Soder-Wick "Lead-free" 0.8 mm x 1.5 m / white
SW.40-2-5.ESD	Desoldering braid Soder-Wick "Lead-free" 1.5 mm x 1.5 m / yellow
SW.40-3-5.ESD	Desoldering braid Soder-Wick "Lead-free" 2.0 mm x 1.5 m / green
SW.40-4-5.ESD	Desoldering braid Soder-Wick "Lead-free" 2.8 mm x 1.5 m / blue
SW.40-2-10.ESD	Desoldering braid Soder-Wick "Lead-free" 1.5 mm x 3.0 m / yellow
SW.40-3-10.ESD	Desoldering braid Soder-Wick "Lead-free" 2.0 mm x 3.0 m / green
SW.40-4-10.ESD	Desoldering braid Soder-Wick "Lead-free" 2.8 mm x 3.0 m / blue

### Soder-Wick No-Clean SD desoldering braid

Chemtronics



The fastest and safest rosin flux desoldering braid, packed in ESD reels.

- packed in ESD safe reels
- patented corrosion-, halogen-free, organic no-clean flux

- desolders up to 40% faster than no-clean braids by the competing partners and the PCBs are cleaner afterwards
- corresponds to Bellcore standard TR-NWT-000078, IPC SF-818 specification and standard MIL-STD-883B

dpvlink 6262



Article	Type
SW.60-1-5.ESD	Desoldering braid Soder-Wick no-clean 0.8 mm x 1.5 m / white
SW.60-2-5.ESD	Desoldering braid Soder-Wick no-clean 1.5 mm x 1.5 m / yellow
SW.60-3-5.ESD	Desoldering braid Soder-Wick no-clean 2.0 mm x 1.5 m / green
SW.60-4-5.ESD	Desoldering braid Soder-Wick no-clean 2.8 mm x 1.5 m / blue
SW.60-5-5.ESD	Desoldering braid Soder-Wick no-clean 3.7 mm x 1.5 m / brown
SW.60-1-10.ESD	Desoldering braid Soder-Wick no-clean 0.8 mm x 3.0 m / white
SW.60-2-10.ESD	Desoldering braid Soder-Wick no-clean 1.5 mm x 3.0 m / yellow
SW.60-3-10.ESD	Desoldering braid Soder-Wick no-clean 2.0 mm x 3.0 m / green
SW.60-4-10.ESD	Desoldering braid Soder-Wick no-clean 2.8 mm x 3.0 m / blue
SW.60-5-10.ESD	Desoldering braid Soder-Wick no-clean 3.7 mm x 3.0 m / brown

## Soder-Wick rosin SD desoldering braids



The fastest and safest rosin flux desoldering braid, packed in ESD reels.

- packed in ESD safe reels
- corrosion-free rosin flux type R
- reduces the risk of heat damage on PCBs to a minimum
- leaves no ionic contaminations on the PCBs

dpvlink 6276



Article	Type
SW.80-1-5.ESD	Desoldering braid Soder-Wick rosin 0.8 mm x 1.5 m / white
SW.80-2-5.ESD	Desoldering braid Soder-Wick rosin 1.5 mm x 1.5 m / yellow
SW.80-3-5.ESD	Desoldering braid Soder-Wick rosin 2.0 mm x 1.5 m / green
SW.80-4-5.ESD	Desoldering braid Soder-Wick rosin 2.8 mm x 1.5 m / blue
SW.80-5-5.ESD	Desoldering braid Soder-Wick rosin 3.7 mm x 1.5 m / brown
SW.80-1-10.ESD	Desoldering braid Soder-Wick rosin 0.8 mm x 3.0 m / white
SW.80-2-10.ESD	Desoldering braid Soder-Wick rosin 1.5 mm x 3.0 m / yellow
SW.80-3-10.ESD	Desoldering braid Soder-Wick rosin 2.0 mm x 3.0 m / green
SW.80-4-10.ESD	Desoldering braid Soder-Wick rosin 2.8 mm x 3.0 m / blue
SW.80-5-10.ESD	Desoldering braid Soder-Wick rosin 3.7 mm x 3.0 m / brown
SW.50-2-100.ESD	Desoldering braid Soder-Wick rosin 1.5 mm x 30.5 m / yellow
SW.50-3-100.ESD	Desoldering braid Soder-Wick rosin 2.0 mm x 30.5 m / green
SW.50-4-100.ESD	Desoldering braid Soder-Wick rosin 2.8 mm x 30.5 m / blue

## Desoldering braids FELDER

### FELDER Desoldering braids

FELDER



Flux-saturated copper braid for the desoldering of SMD and THT components and for the removal of excess solder on printed circuit boards

- Flux according to DIN EN 29454.1, 1.1.3.B (ROLO)

dpvlink 17084



Article	Type
FE-27161000	Desoldering braid 1.0 mm x 1.6 m / yellow
FE-27161500	Desoldering braid 1.5 mm x 1.6 m / red
FE-27161530	Desoldering braid 1.5 mm x 30 m / red
FE-27162000	Desoldering braid 2.0 mm x 1.6 m / blue
FE-27162030	Desoldering braid 2.0 mm x 30 m / blue
FE-27162500	Desoldering braid 2.5 mm x 1.6 m
FE-27162530	Desoldering braid 2.5 mm x 30 m
FE-27163000	Desoldering braid 3.0 mm x 1.6 m
FE-27163030	Desoldering braid 3.0 mm x 30 m

## Other accessories

### Soldering tip holder WCTH



- Clean and organized workplace with the WCTH soldering tip holder
- space for up to 16 Weller RT soldering tips
- vertical positioning of the soldering tips

dpvlink 26512



Article	Type
534.502.99	Soldering tip holder WCTH

## Temperature measuring device WCU NEU Weller



- Temperature measuring device for soldering tips
- Digital display: quick change between temperature units °C and °F
- Measuring range: -150°C - +1200°C
- Backlighting
- max. hold function
- Counting function for temperature measurements
- Automatic switch-off
- Sensor is not included

dpvlink 26514



Article	Type
534.501.99	Temperature measuring device WCU
587.717.12	Sensors WCU for temperature measuring device WCU

## Weller Manual desoldering pump



The manual desoldering pumps generate a vacuum by piston, cylinder and spring force. The piston is tensioned manually and secured automatically. By pressing the release button, the piston is abruptly moved back and a temporary vacuum is created removing the liquid solder from the solder joint.

dpvlink 13838



Article	Type
PS2001A	Desoldering tip antistatic for PS 200A
PS200A	PS 200A hand soldering pump <ul style="list-style-type: none"> <li>• Length 200 mm</li> <li>• strong vacuum, minimal recoil</li> <li>• Metal case</li> <li>• antistatic (with tip PS 2001A)</li> </ul>
SA21A	SA21A hand soldering pump <ul style="list-style-type: none"> <li>• Length 200 mm</li> <li>• Metal case</li> <li>• antistatic</li> </ul>
SA21A1	Desoldering tip antistatic for SA 21A

## ESD Desoldering pump



- electrostatically dissipative
- length 210 mm
- in compliance with DIN EN 61340-5-1

dpvlink 21606



Article	Type
6103A	ESD desoldering pump 6103A
6104	Replacement tip for desoldering pump 6103A

## SD 1000 Solder dispenser



Suitable for reels up to 1 kg with

- length 95 mm, inside Ø > 17 mm
- length 70 mm, inside Ø > 12 mm
- length 84 mm, inside Ø < 12 mm

dpvlink 7479



Article	Type
513.017.99	SD 1000 solder dispenser
513.013.99	ABW 2 mounting bracket for additional reel for mounting on solder dispenser SD-1000

## DS 2500 Solder tin dispenser



ESD solder tin dispenser with guide and tool holder. Suitable for solder tin reels with

- core diameter > 15 mm
- max. solder wire diameter 2 mm
- weight up to 2.5 kg
- length 100 mm

dpvlink 17637

Article	Type
P-DS2500.ESD	<b>Solder tin dispenser ESD DS-2500</b> <ul style="list-style-type: none"> <li>• for one ESD solder tin reel</li> <li>• with guide tube and tool holder</li> </ul>
P-DS2500-AB.ESD	<b>Solder tin reel holder ESD for second reel</b> <ul style="list-style-type: none"> <li>• supplement for ESD solder tin dispenser</li> <li>• for second reel</li> <li>• with guide tube and tool holder</li> </ul>
P-DS25002-B.ESD	<b>Solder tin dispenser ESD DS-25002B for 2 reels</b> <ul style="list-style-type: none"> <li>• ESD solder tin dispenser</li> <li>• for two reels</li> <li>• both with guide tube and tool holder</li> </ul>
P-DS2500-K.ESD	<b>Solder tin dispenser ESD DS-2500-K incl. tools</b> for one ESD solder tin reel with guide tube and tool holder incl tools: <ul style="list-style-type: none"> <li>• diagonal cutting pliers TRE 03 NB</li> <li>• flat-nose pliers PN2005</li> <li>• desoldering pump PD03</li> <li>• tweeters OSA</li> <li>• Phillips screwdriver PG2-1</li> </ul>

## Soldering tool type 35622



Robust soldering tool of fiberglass-nylon reinforced plastic for holding and handling PCBs during soldering processes. The flat blade allows to remove lead residues without any effort. With notch to hook and bend PCBs, lead and wire.

dpvlink 20227

Article	Type
2070.35622	<b>Soldering tool type 35622</b>

## Lead-free labels

### Lead-free label "lead free", type 1



Green, imprint in black  
dual web, permanently self-adhesive

dpvlink 7314

Article	Ø	Count	Type	Material
2820.2041.20.T1	20 mm	3000 piece	roll	paper
2820.2041.30.T1	30 mm	3000 piece	roll	paper

### Lead-free label "RoHS" type 2



green, imprint in black  
dual web, permanently adhesive

dpvlink 7318

Article	Ø	Count	Type	Material
2820.2042.10.T2	10 mm	5000 piece	roll	vinyl

### Lead-free label "Pb", type 3



white, imprint in red and black  
dual web, permanently adhesive

dpvlink 7321

Article	Ø	Count	Type	Material
2820.2043.10.T3	10 mm	5000 piece	roll	paper

## Covering material

### Spot-Mask



Spot-Mask is a rubber-like material to protect the connectors on PCBs in the reflow process against tinning. After the soldering process, spot-mask can be removed easily and without leaving any residues. Mechanical stop after approx. 6 min, hardened after about 2-3 hours at 20°C, 1 hour at 95°C. Can be stored for 12 months. Suitable for lead-free soldering applications.

dpvlink 13827

Article	Type
SM15748BK	<b>SM15748BK Spot Mask</b> Can be stored for 12 months. Suitable for lead-free soldering applications

### P.C. Flex Mask

P.C. Flex Mask is a solder resist mask made of latex rubber without solvent additives used for the protection of contacts, switches, connectors, plated-through holes and bare places on PCBs during the soldering process. It is also suitable for protecting electronic components against the contact with fluxes and cleaning agents. Afterwards, the mask can be easily peeled off and leaves no residues.



#### Technical data:

- Active ingredients: natural latex rubber
- Solid content: 63%
- Odor: slight odor of ammonia
- State: thixotrope paste
- Flashpoint: nonflammable
- Cure time at room temperature: approx. 40 min
- Cure time at 60°C: approx. 15 min
- Removability: 100 %
- Heat resistance: 268°C during soldering
- Durability (unopened) about 6 months

dpvlink 12251

Article	Type
C-330.202	P.C. Flex Mask, 237ml
C-330.204	P.C. Flex Mask, 3.8l

### PCM Peelable solder resist mask



#### PCM peelable solder resist mask



- Suitable for the use in the wave soldering process, does not peel off any solder when being removed
- Flexible latex for component cover
- Completely peelable by hand without leaving residues
- Solvent-resistant
- Pollutes no protective lacquers
- Dries at room temperature
- High film strength, hard to break

dpvlink 2751

Article	Type
PCM250ML	250 ml dispenser

## PCS Ammonia-free peelable protective mask **ELECTROLUBE**



### PCS peelable protective mask

- Protection for coating and wave soldering processes **for Microfit Elements**
- Synthetic, flexible
- Ammonia-free, no odor
- Accelerated curing by heat
- Can be removed by hand without leaving any residue
- No discoloration caused by ammonia
- Improved durability

**dpvlink 10034**

Article	Type
PCS250ML	250 ml dispenser bottle



## CHEMASK Peelable solder resist mask **Chemtronics**



### CHEMASK® peelable solder resist mask

- Nonadhesive drying within 30 minutes
- Ideal for connectors, contacts, etc.
- Simple use - just peel off the dry mask
- Latex-based, peelable without leaving any residues
- Dispenser bottle with dispensing tip

**dpvlink 6307**

Article	Type
CLF8E	250 ml dispenser bottle LEAD-FREE
CM8E	250 ml dispenser bottle



## Heat-resistant polyimide adhesive tapes

### Polyimide foil / adhesive tape - ESD antistatic



Antistatic, high-temperature resistant polyimide foil / adhesive tape, silicone adhesive  
 Thickness including adhesive approx. 0.06 mm  
 Thermal class: can be used up to 300°C for a short time  
 Color: brown opaque

**dpvlink 9929**

Article	W [mm]	Roll length [m]
LAK-03.ESD	3,0	33
LAK-04.ESD	4,0	33
LAK-05.ESD	5,0	33
LAK-06.ESD	6,0	33
LAK-08.ESD	8,0	33
LAK-09.ESD	9,0	33
LAK-10.ESD	10	33
LAK-12.ESD	12,0	33
LAK-13.ESD	13	33
LAK-15.ESD	15	33
LAK-19.ESD	19	33
LAK-25.ESD	25	33
LAK-50.ESD	50	33



### Polyimide foil / adhesive tape - standard



High-temperature resistant polyimide foil/adhesive tape, silicone adhesive  
 Thickness including adhesive approximately 0.055 mm  
 Thermal class: can be used up to 300°C for a short time  
 Color: brown opaque

**dpvlink 9919**

Article	W [mm]	Roll length [m]
LAK-02	2	33
LAK-03	3,0	33
LAK-04	4,0	33
LAK-05	5,0	33
LAK-06	6,0	33
LAK-08	8,0	33
LAK-09	9,0	33
LAK-10	10	33
LAK-12	12,0	33
LAK-15	15	33
LAK-19	19	33
LAK-25	25	33



### Polyimide / adhesive tape



High-temperature resistant polyimide foil / adhesive tape, silicone adhesive  
 Thickness approx. 0.070 mm  
 Thermal class H 180°C, heat resistance 240°C / 10 min., temporarily max 260°C  
 Color: brown transparent

**dpvlink 17977**

Article	W [mm]	Roll length [m]
C-318003.03	3,0	33
C-318003.04	4,0	33
C-318003.05	5,0	33
C-318003.06	6,0	33
C-318003.07	7	33
C-318003.08	8,0	33
C-318003.09	9,0	33
C-318003.10	10	33
C-318003.11	11	33
C-318003.12	12,0	33
C-318003.15	15	33
C-318003.18	18	33
C-318003.19	19	33
C-318003.20	20	33
C-318003.23	23	33
C-318003.25	23	33
C-318003.30	30	33
C-318003.32	32	33
C-318003.40	40	33
C-318003.50	50	33
C-318003.65	65	33



## Solder Mask Dots - ESD antistatic



Antistatic, high-temperature resistant polyimide foil, silicone adhesive  
 Thickness approximately 0.060 mm  
 Thermal class: can be used up to 300°C for a short time  
 Color: brown opaque; slotted base foil

### dpvlink 9947



Article	Ø	Count
LAP-04.ESD	4.0 mm	10,000 piece
LAP-06.ESD	6.0 mm	10,000 piece
LAP-08.ESD	8.0 mm	10,000 piece
LAP-10.ESD	10.0 mm	10,000 piece
LAP-12.ESD	12.0 mm	10,000 piece
LAP-16.ESD	16.0 mm	10,000 piece

## Solder Mask Dots - standard



Silicone adhesive, antistatic, high temperature resistant polyimide  
 Thickness including adhesive approximately 0.055 mm  
 Thermal class: can be used for a short time up to 300°C  
 Color: brown transparent; slotted base foil.

### dpvlink 9938



Article	Ø	Count
LAP-04.1000	4.0 mm	1,000 piece
LAP-06.1000	6.0 mm	1,000 piece
LAP-08.1000	8.0 mm	1,000 piece
LAP-09.1000	9.0 mm	1,000 piece
LAP-10.1000	10.0 mm	1,000 piece
LAP-12.1000	12.0 mm	1,000 piece
LAP-14.1000	14.0 mm	1,000 piece
LAP-16.1000	16.0 mm	1,000 piece

## Polyimide adhesive dots



High-temperature resistant polyimide foil, silicone adhesive  
 Thickness incl. adhesive approx. 0.070 mm  
 Thermal class H 180°C, heat resistance 240°C/10 min, temporarily max. 260°C  
 Color: brown transparent

### dpvlink 17999



Article	Ø	Count
C-729115.D04	4.0 mm	1,000 piece
C-729115.D05	5.0 mm	1,000 piece
C-729115.D06	6.0 mm	1,000 piece
C-729115.D08	8.0 mm	1,000 piece

### dpvlink 17999



Article	Ø	Count
C-729115.D09	9.0 mm	1,000 piece
C-729115.D10	10.0 mm	1,000 piece
C-729115.D12	12.0 mm	1,000 piece
C-729115.D14	14.0 mm	1,000 piece
C-729115.D15	15.0 mm	1,000 piece
C-729115.D16	16.0 mm	1,000 piece

## Solder fume extraction

### LDA 1 Solder fume extractor



This solder fume extractor was designed to absorb harmful fumes at the workstation. It prevents actively headaches, inflammation of the eyes and fatigue often caused by the inhalation of solder fumes. The powerful axial fan extracts the malodorous solder fumes through a activated carbon filter. Chemical pollutants are absorbed effectively.

This extractor has the following advantages compared to installed extraction systems:

- The workstation structure remains flexible (devices are not mounted)
- No maintenance costs, because there is no regular cleaning of the suction lines
- If a device fails, it will not stop the entire system
- low energy consumption (18W)
- inexpensive (serial production)

#### Technical data

Connection values:	220/240 V - 50/60 Hz-18 W
Air flow:	170 mm <sup>3</sup> /h
Air noise:	40 dB
Housing:	Aluminium anodized
Dimensions:	150 x 140 x 55 mm

### dpvlink 3563



Article	Type
201.250	<b>LDA 1 Solder fume extractor</b> (without stand)
201.250.CH	<b>LDA 1 Solder fume extractor</b> Version Switzerland Air flow rate 183 m <sup>3</sup> /h, 8 Watt (without stand)
201.255	<b>Activated carbon filter 6 pcs</b>
	<b>Accessories</b>
201.260	Table tripod LDS 1

## LDA 1-R Solder fume extractor



- For toxic and malodorous gases, vapors, aerosols, particles and suspended solids.
- special filter for all hazardous substances, also for formaldehyde
  - for soldering tasks in poorly ventilated rooms with lead-free solder
  - also for working with hazardous substances in cleanrooms

### Technical data

Connection values:	220/240 V - 4W
Airflow rate:	140 m <sup>3</sup> /h
Air noise:	38 dB
Housing:	aluminium anodized
Dimensions:	150 x 140 x 55 mm

[dpvlink 21489](#)



Article	Type
201.252	<b>LDA 1-R Solder fume extractor</b> (without stand)
201.257	<b>Replacement filter LDF 1-R</b>

### Accessories

201.260	Table tripod LDS 1
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## LDA 2 Solder fume extractor



Due to its oblong design and the high air flow rate, this device is optimal for manual soldering stations in the PCB production. The extractor is delivered complete with a mounting bracket.

### Technical data

Connection values:	220/240 V - 50/60 Hz 36 W
Air flow:	340 m <sup>3</sup> /h
Air noise:	44 dB
Housing:	Aluminium anodized
Dimensions:	320 x 140 x 55 mm

[dpvlink 6593](#)



Article	Type
201.350	<b>LDA 2 solder fume extractor</b> incl. support
201.355	<b>Activated carbon filter 6 pcs</b> (2 pieces are needed per filter change)

## LDA 2-R Solder fume extractor

Due to the oblong design and the high airflow this device is especially suitable for manual soldering places and for working with hazardous substances - also in cleanrooms. For toxic and malodorous gases, vapors, aerosols, particles and suspended solids.

- special filter for all hazardous substances, also for formaldehyde
- also for soldering tasks in poorly ventilated rooms with lead-free solder
- due to latest technology only 5 Watt (corresponds A++)
- minimal noise emission
- delivery without support
- operation possible without stand (the following stands are suitable for this extractor: LDS 6 and LDS 10)



### Technical data

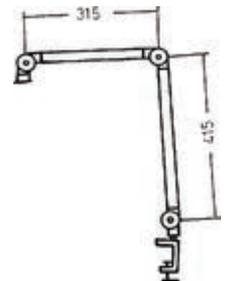
Connection values:	220/240 V - 5W
Airflow rate:	220 m <sup>3</sup> /h
Air noise:	34 dB
Housing:	aluminium anodized
Dimensions:	320 x 140 x 55 mm

[dpvlink 21485](#)



Article	Type
201.360	<b>LDA 2-R Solder fume extractor</b>
201.361	<b>Replacement filter LDF 2-R</b>

## LDA 4 Solder fume extractor



By using 4 low-noise fans (quiet fans), the noise level is only 36 dB. Thus, the LDA 4 is the quietest extractor on the market.

The 4 fans effect an even air flow over the entire area of 260 x 220 mm. The service life of the filter is approximately 4-6 weeks.

### Technical data

Connection values:	220/240 V - 50/60 Hz-16 W
Air flow:	320 m <sup>3</sup> /h
Air noise:	36 dB
Housing:	Aluminium anodized
Dimensions:	260 x 230 x 55 mm

[dpvlink 6601](#)



Article	Type
201.450	<b>LDA 4 solder fume extractor</b>
201.455	<b>Activated carbon filter for LDA 4</b>
201.460	<b>Table tripod LDS 6</b>
201.490	<b>Tripod with articulated arm LDS 10 (suitable for LDA 1/2/4)</b>

## LDA 600 Pollutant and solder fume extractor



By the use of 6 axial fans, the air flow is evenly distributed over the whole area. The high suction power allows the use at all workstations, even with large quantities of pollutants and at a larger distance to the source of pollution. In its performance this extractor surpasses almost all firmly installed extraction units and the workplace design remains flexible.

### Technical data

Connection values:	220/240 V; 110 W
Air flow:	650 m <sup>3</sup> /h
Air noise:	42dBA
Housing:	Aluminium anodized
Dimensions:	445 x 260 x 55 mm

### dpvlink 12955

Article	Type	QR
201.600	<b>LDA 600 pollutant extractor, complete with tripod</b>	
201.601	<b>Replacement filter LDF 600</b>	

## WLA 1 LED Solder fume extractor



The WLA 1 LED soldering fume extractor absorbs the harmful fumes, gases and vapors produced during the soldering process, and cleans the polluted air immediately at the workstation with a Poret®-Carbon activated carbon filter.

- two low-noise axial fans such the polluted air through an activated carbon filter mat that absorbs the pollutants
- the suction power can be adjusted via a 2-step switch
- LED lamp (6.2 W) in the upper part of the device provide sufficient lighting
- the device is available with a tripod with articulated arm or as table-top device with additional wire stand

### Technical data

Dimensions:	340 x 170 x 260 mm (LxWxH)
Base unit without tripod - weight:	approx. 4 kg
Supply voltage:	230 V / 50 Hz
Fan power:	Level I approx. 30 m <sup>3</sup> /h Level II approx. 70 m <sup>3</sup> /h
Filter:	Poret®-Carbon activated carbon
Filter service life:	approx. 40 hours of operation with medium load
Lighting:	LED lamp (6.2 W)

### dpvlink 3568

Article	Type	QR
200.200	<b>WLA-1 LED solder fume extractor</b>	
200.201	<b>Tripod with articulated arm</b>	
200.202	<b>Support stand</b>	
200.203	<b>Replacement activated carbon filter</b>	

## Soldering iron with fume extraction

Any soldering process produces inevitably harmful fumes and gases. These fumes are extracted by an extraction tube integrated in the solder iron exactly where there are produced - directly at the solder joint. There are a total of 5 specially developed soldering irons. But also the retrofitting of existing soldering iron is easy.

### FE 50 Soldering iron set 50W / 24V

Weller

FE 50 soldering iron set 50W / 24V



### consists of:

Order No.	Model	Description
525.153.99	FE 50	FE soldering iron ET LT 50W/24V adapter and LTB soldering tip
515.020.99	KH 20	Safety rest
550.050.99		Funnel for FE 50 / FE 50M
525.409.99		Cleaning brush for extraction tube

### dpvlink 13851

Article	Type	QR
533.150.99	<b>FE 50 set - soldering iron 24V / 50W</b> Appropriate soldering tips: ET series	
525.153.99	<b>FE 50 soldering iron 50W / 24V</b> with ET-LT adapter and LTB soldering tip	

### Accessories

515.020.99	KH 20 safety rest
515.020.99	KH 20 safety rest
550.050.99	Funnel for FE 50/FE 50M
550.050.99	Funnel for FE 50/FE 50M
525.409.99	Cleaning brush for extraction tube
525.409.99	Cleaning brush for extraction tube

### FE 50 M - FE Soldering iron Magnastat 50W / 24V

Weller



### consists of:

Order No.	Model	Description
532.152.99	FE 50 M	FE soldering iron 50 W / 24 V Magnastat-controlled by PT-LT adapter and LTM soldering tip
550.050.99		Funnel for FE 50 / FE 50 M
525.409.99		Cleaning brush for extraction tube

### dpvlink 13857

Article	Type	QR
532.152.99	<b>FE 50 M - Magnastat soldering iron 24V / 50W</b> Suitable soldering tips: PT series	

### Accessories

550.050.99	Funnel for FE 50/FE 50M
550.050.99	Funnel for FE 50/FE 50M
525.409.99	Cleaning brush for extraction tube
525.409.99	Cleaning brush for extraction tube

# Solder fume extraction

## FE 75-Set Soldering iron set 80 W / 24V



### consists of:

Order No.	Model	Description
529.166.99	FE 75	FE soldering iron 80 W / 24 V with LTB soldering tip
515.020.99	KH 20	Safety rest
525.409.99		Cleaning brush for extraction tube

### dpvlink 13858

Article	Type
533.151.99	<b>FE 75 -set- soldering iron set 80 W / 24V</b> Suitable soldering tips: LT series.
529.166.99	<b>FE 75 soldering iron 80 W / 24 V</b> with soldering tip LT B

### Accessories

515.020.99	KH 20 safety rest
515.020.99	KH 20 safety rest
525.409.99	Cleaning brush for extraction tube
525.409.99	Cleaning brush for extraction tube

## FE Retrofit kits (clip-on kits) for soldering irons



FE retrofit kits (clip-on kits) for soldering irons, fitting of the extraction tube with clamping fastening, the handling of soldering iron is not affected.

### dpvlink 9614

Article	Type
525.125.99	<b>FE retrofit kit for LR 21, LR 82, TCPS; 61 W, W 101, WSP 150 only with rest AK 1</b>
528.126.99	<b>FE retrofit kit for WSF 80D5/8 for AKS safety rest</b>
513.125.99	<b>FE retrofit kit for the DS 22, 80 DS and DSX 80 desoldering iron</b>

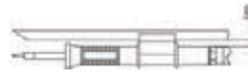
## Accessories for FE soldering irons



### dpvlink 13861

Article	Type
536.352.99	<b>Locking clip for extraction hose</b>
525.410.00	<b>Extraction hose</b> (Replacement, yard goods)

## Universal FE retrofit kits



For Weller soldering irons WP 80, WSP 80, WMP, WMRP, MLR 21 or soldering irons with handle diameter  $\varnothing$  10-13 mm. Clip is attached to the soldering iron with an O-ring.

### dpvlink 13863

Article	Type
529.186.99	<b>FE retrofit kit with extraction tube <math>\varnothing</math> 6 mm</b> for WSP 80, WP 80, MLR 21, MLR 80, WMP
529.185.99	<b>FE retrofit kit with extraction tube <math>\varnothing</math> 4.5 mm</b> for WMRP and WSP 80, WP 80, MLR 21, MLR 80, WMP, recommended for fine soldering tasks
587.448.75	<b>FE clip set for FE retrofit kit</b> Tube $\varnothing$ 4.5 mm
587.448.76	<b>FE clip set for FE retrofit Kit</b> Tube $\varnothing$ 6.0 mm

## Fume extraction for soldering tips

### WFE



Maintenance-free compressed air converter, mobile device ofr central use, suitable for industrial continuous use

### Technical data:

Max. soldering irons:	2
Height/diameter:	200 x 140 mm
Weight:	2.7 kg
Noise level:	< 39 dB(A)
Air consumption:	30 l/min
Vacuum max:	20,000 Pa
Operating pressure:	3.5 - 6.0 bar

### dpvlink 26726

Article	Type
536.402.99	<b>WFE solder fume extraction</b> compressed air operation, connection for 2 soldering irons

### WFE P



Electrical vacuum pump assures the necessary low pressure, 2 power levels for optimal extraction, with 2 soldering iron, portable unit for central use, maintenance-free capacitor motor with integrated thermal cutoff

### Technical data:

Max. soldering irons:	2
Height/diameter:	294 x 140 mm
Weight:	4 kg
Noise level:	45 dB(A)
Voltage:	230 V / 50 hz
Vacuum:	30,000 Pa

### dpvlink 3579

Article	Type
536.386.99	<b>WFE P - solder fume extraction</b> Connection for 2 soldering irons

## Spare parts for WFE and WFE P



**dpvlink 3583** 

Article	Size
587.357.57	<b>Compressed air cleaning filter for WFE and WFE P</b>
536.410.99	<b>Compact filter for WFE, WFE P and FT 12</b> HEPA H13 and wide band gas filter (50% activated carbon, 50% Chemisorb)
536.407.99	<b>Compact filter for adhesive fumes for WFE, WFE P and FT 12</b> HEPA filter H13 and wide band gas filter (100% activated carbon)
536.421.99	<b>Fine dust filter F7 for WFE, WFE P and FT 12</b> (PU = 3 pcs)



## Zero Smog 20T solder fume extraction unit



### Solder fume extraction unit 230 V / 50 Hz

- electronically controlled, maintenance-free turbine
- two operation modes selectable
- Electronic filter control (LED)
- Electronic filter operation level display
- RS 232 interface for remote monitoring
- USB interface for Firmware update, Efficiency test and data log function
- Dimensions: 450x450x695mm (LxWxH)
- Weight 45 kg
- Power input 530 VA
- Noise level 51db (A) at 1 m distance
- Max. vacuum 10,000 Pa
- Max. flow rate 100 m<sup>3</sup>/h
- Max. capacity 20 FE soldering irons

### Scope of delivery:

Fume extraction unit 230 V / 50 Hz  
Compact filters consisting of HEPA filter H13 and wide band gas filter (50% activated carbon, 50% Chemisorb)  
fine dust filter F 7

**dpvlink 17678** 

Article	Type
536.706.99	<b>Zero Smog 20T solder fume extraction unit</b> for the extraction with suction tube and the soldering iron

## Fume extraction for volume extraction

### Zero Smog EL Kit 1



The portable **solder fume extraction unit** with fine dust pre-filter can be put together quickly and easily due to Easy-Click system. The power is adjustable. The kit has especially **long service lives**. A necessary filter change is **optically** displayed. An especially **long service life** is assured by the powerful EC gas blower.



### Scope of delivery:

- **FT91010699** Zero Smog EL extraction unit
- **0F15** Flexible extraction arm
- **ALFA** funnel nozzle
- **587.627.01** filter kit H13

Model	Zero Smog EL
Dimensions	355 x 360 x 455 mm
Weight	8.6 kg
Voltage	220 - 240 V
Power	120 W
Flow rate	150 m <sup>3</sup> /h
Noise level	< 53 db
Pre-filter	Fine dust filter M5
Compact filter	Particle filter H13, activated carbon filter
Workstation	1 - 2 workstations possible
WX compatibility	yes

**dpvlink 20601** 

Article	Type
FT91012699	<b>Zero Smog EL Kit 1</b> Solder fume extraction unit with filter level display including extraction arm and funnel nozzle

### Replacement filter for Zero Smog EL



**dpvlink 19148** 

Article	Size
587.627.03	<b>Fine dust filter F5</b> for Zero Smog 2 (10 pieces) and Zero Smog EL
587.627.01	<b>Filter set E12 with 10 pre-filters F5</b> HEPA filter H13 and wide band gas filter (10% activated carbon)

## Zero Smog TL Kits

Weller

The portable **solder fume extraction unit** with fine dust pre-filter can be put together quickly and easily. It is suitable for a flexible positioning. Absorb the solder fume with the **sloped metal nozzle in the direct environment** of the component to be soldered. If you want to **reach a larger surface, the Alfa funnel nozzle** is just the right accessory. The kit has especially long filter service lives. An automated **filter change notification system** indicates **optically and acoustically** that the filter has to be change.



- absorb pollutants on the place where they originate
- high suction power
- Easy-Click system for simple plug-in connection
- pre-filter can be changed separately
- optical and acoustic filter change display



### Scope of delivery:

- **FT91013699** Zero Smog TL extraction unit
- **FT91000033** ZSRS Zero Smog Remote (2m)
- **OF10** Flexible suction unit (1x with Kit 1; 2x with Kit 2)



Model	Zero Smog TL
Dimensions	355 x 330 x 455 mm
Weight	9 kg
Voltage	220 - 240 V
Power	120 W
Noise level	< 50 db
Pre-filter	Fine dust filter F7
Compact filter	Particle filter H13 and 10% activated carbon foam filter

dpvlink 20604

Article	Type
FT91015699	<b>Zero Smog TL Kit 1 FN</b> in addition: <ul style="list-style-type: none"> <li>• ALFA funnel nozzle</li> <li>• shut-off valve with table clamp</li> <li>• suction hose 3 m</li> </ul>
FT91017699	<b>Zero Smog TL Kit 2FN</b> in addition: <ul style="list-style-type: none"> <li>• 2 x ALFA funnel nozzle</li> <li>• 2 x fastening clips diameter 63 mm</li> </ul>
FT91016699	<b>Zero Smog TL Kit 2 SN</b> in addition: <ul style="list-style-type: none"> <li>• 2 x metal nozzle sloped diameter 60 mm</li> <li>• 2 x fastening clips diameter 63 mm</li> </ul>

## Zero Smog 4V

Weller

The extraction unit Zero Smog 4V is easy to install and to operate. A powerful, maintenance-free blower guarantees a continuous fume extraction with maximal flow rate of up to 230 m<sup>3</sup>/h. The CFC function controls automatically the blower speed, optimizes the suction power and reduces the power consumption.



- extraction unit for the use at up to 4 workstations
- Constant Flow Control (CFC) function guarantees an optimally regulated extraction for each workstation, independent of the number of connected workstations
- electronic filter control with optical and acoustic alarm function
- efficiency test via USB connection
- 4 castors for flexible use
- operation by remote control via RS 232 connection
- low noise level

### Technical data Zero Smog 4V:

Dimensions (LxWxH), weight:	345x325x505 mm, 19 kg
Noise level:	48 dB(A)
Voltage:	230 V, 50 Hz
Suction power max.:	230 m <sup>3</sup> /h
Vacuum max.:	2700 Pa
Power consumption:	275 W

dpvlink 16607

Article	Type
536.606.99	<b>Zero Smog 4V</b> with compact filter (particle filter H13 and wide band gas filter) and fine-dust pre-filter F7
536.616.99	<b>Zero Smog 4V</b> with special wide band gas filter for adhesive fumes

## Zero Smog 4V Kit1 nozzle

Weller



consisting of:

- Zero Smog 4V extraction unit (536.606.99)
- Kit 1 nozzle (536.572.99)

dpvlink 16611

Article	Type
536.636.99	<b>Zero Smog 4V Kit1 nozzle</b> for 1 workstation

## Zero Smog 4V Kit2 nozzle



consisting of:

- Zero Smog 4V extraction unit (536.606.99)
- 2x Kit 1 nozzle (536.572.99)

dpvlink 16613

Article	Type
536.656.99	<b>Zero Smog 4V Kit2</b> for 2 workstations



## Zero Smog 4V Kit1 funnel



consisting of:

- Zero Smog 4V extraction unit (536.606.99)
- Kit 1 funnel (536.571.99)

dpvlink 16615

Article	Type
536.626.99	<b>Zero Smog 4V Kit1 funnel</b> for 1 workstation



## Zero Smog 4V Kit2 funnel



consisting of:

- Zero Smog 4V extraction unit (536.606.99)
- 2x Kit 1 funnel (536.571.99)

dpvlink 16617

Article	Type
536.646.99	<b>Zero Smog 4V Kit1 funnel</b> for 2 workstations



## Replacement filter for Zero Smog 2 / Zero Smog 4V



dpvlink 15054

Article	Size
587.359.37	<b>Fine dust filter F5 for Zero Smog 4V</b> according DIN EN 779 Particle sizes up to 100 µm (PU = 10 pieces)
587.359.38	<b>Fine dust filter F7 for Zero Smog 4V</b> in accordance with DIN EN 779 Particle sizes up to 10 µm (PU = 10 pieces)
587.359.36	<b>Compact filters for Zero Smog 4V</b> consisting of particle filter H13 and wide band gas filter (50% activated carbon, 50% Chemisorb)
587.358.95	<b>Compact filters for adhesive vapors for Zero Smog 2 and 4V</b> consisting of wide band gas filter (50% activated carbon, 50% Chemisorb)



## Zero Smog 6V



Zero Smog 6V as a extraction unit is very user-friendly, both in the easy and fast installation and in the filter exchange. Its noise level is low. The compact unit can be placed directly in the working area.

The used high-quality components minimise the maintenance costs and reduce the service life. To extend the service life of the filter and the energy efficiency, the unit is equipped with an automatic speed control (CFC) working independently of the number of connected workstations. An external pre-filter can be connected to increase the filter capacity.



- extraction unit for the use at up to 8 workstations
- Constant Flow Control (CFC) function guarantees an optimally regulated extraction for each workstation, independent of the number of connected workstations
- electronic filter control with optical and acoustic alarm function
- efficiency test via USB connection
- 4 castors for flexible use
- operation by remote controle via RS 232 connection
- low noise level

Technical data Zero Smog 6V:

Dimensions (LxWxH), weight:	460x460x655 mm, 40 kg
Noise level:	51 dB(A)
Voltage:	230 V, 50 Hz
Suction power max.:	645 m <sup>3</sup> /h
Vacuum max.:	3000 Pa
Power consumption:	460 W

dpvlink 17100

Article	Type
536.666.99	<b>Zero Smog 6V</b> with compact filter (particle filter H13 and wide band gas filter) and fine-dust pre-filter F7
536.676.99	<b>Zero Smog 6V</b> with special wide band gas filter for adhesive fumes



## Replacement filter for Zero Smog 6V



dpvlink 13589

Article	Size
587.358.37	<b>Fine dust filter M5</b> (10 pieces)
587.358.36	<b>Fine dust filter F7</b> (10 pieces)
587.358.38	<b>Compact filter</b> consists of particle filter H13 and wide band gas filter (50% activated carbon, 50% Chemisorb)
587.358.35	<b>Wide band gas filter</b> wide band gas filter (50% activated carbon, 50% Chemisorb)



## Pre-filter housing for Zero Smog 4V and 6V

A pre-filter should be used during applications with solder baths, automatic soldering or other applications subjected to dust. This leads to a longer service life of the main filter unit.

The pre-filter can be attached as an external part of the extraction system directly to Zero Smog 6V or in connection with all the other WellerFT surface extraction units.



**dpvlink 13594**

Article	Size
587.358.60	<b>Bag filter F7</b> For applications with a high percentage of fine dust in the atmosphere

587.359.24	<b>Non-woven filter</b> For applications with high flux content or in the melt of enameled wires
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## Fume extraction kit MG 130

The fume extraction unit MG 130 is easy to install and to operate. It is ready to be placed close to the workstation and put into operation.



- extraction fume unit for the use at 1-2 workstations
- filter alarm and 3-step speed control
- extra small design
- switching power supply 100-240 V (suitable for world-wide use)

Technical data MG 130:

Dimensions (LxWxH), weight:	460x210x500 mm, 11 kg
Noise level :	< 52 dB(A)
Voltage:	100-240 V, 50/60 Hz
Suction power max.:	140 m <sup>3</sup> /h
Vacuum max.:	2300 Pa
Power consumption:	100 W

**dpvlink 19149**

Article	Type
130-1000	<b>MG 130</b> with compact filter (particle filter H13 and wide band gas filter) and fine-dust pre-filter F7



## MG 130 Kit nozzle

consisting of:

- MG 130 fume extraction unit(130-1000)
- 2x extraction arm 1.0m (OF10)
- 2x nozzle sloped (FT-NL)

**dpvlink 19152**

Article	Type
130-1055-ESD	<b>MG 130 Kit nozzle</b> with compact filter (particle filter H13 and wide band gas filter) and fine dust filter F7



## MG 130 Kit funnel

consisting of:

- MG 130 fume extraction unit(130-1000)
- 2x extraction arm 1.0m (OF10)
- 2x funnel nozzle (750.ALFA-ESD)

**dpvlink 19154**

Article	Type
FT91000103	<b>MG 130 Kit funnel</b> with compact filter (particle filter H13 and wide band gas filter) and fine dust filter F7



## Replacement filter for MG 130



**dpvlink 19156**

Article	Size
130-2010	<b>Fine dust filter F7</b> for MG 130 (5 pieces)
130-2000-ESD	<b>Compact filter</b> particle filter H13 and wide band gas filter



## MG100S

The fume extraction unit MG100S is especially suitable for applications with a high volume of harmful gases.

The remote control permits to adjust different speeds as well as the alarm function of the filter. In order to facilitate the installation MG 100S can be attached with suspension at the work table.



- extraction fume unit for the use at up to 2 workstations
- large gas filter volume
- electronic filter control with alarm function
- variable speed control
- extra small standing surface
- switch power supply 100-240 V (suitable for worldwide use)

Technical data MG 100 S:

Dimensions (LxWxH), weight:	460x210x 610 mm, 15 kg
Noise level:	< 52 dB(A)
Voltage:	100-240 V, 50/60 Hz
Suction max.:	140 m <sup>3</sup> /h
Vacuum max.:	2300 Pa
Electrical power:	100 W

**dpvlink 3727**

Article	Type
100-1000-ESD	<b>MG100S</b> Solder fume extraction unit without extraction arms with compact filter (particle filter H13 and wide band gas filter)
780-3001-ESD	<b>Suspension for work table</b>



## MG 100S Kit 1



consisting of:

- MG 100S fume extraction unit (110-1000-ESD)
- Kit 1 funnel (536.571.99)

**dpvlink 19165**

Article	Type
100-1056-ESD	<b>MG 100S Kit 1</b>



## MG 100S Kit 2



consisting of:

- MG 100S fume extraction unit (100-1000-ESD)
- 2x extraction arm 1.5m (DF15)
- 2x funnel nozzle (750.ALFA-ESD)

**dpvlink 19167**

Article	Type
100-1055-ESD	<b>MG 100S Kit 2</b>



## Replacement filter for MG 100S



**dpvlink 19161**

Article	Size
100-2000-ESD	<b>Compact filter standard</b> particle filter H13 and wide band gas filter (50% activated carbon, 50% Chemisorb)
100-2003-ESD	<b>Compact filter MEK</b> particle filter H13 and wide band gas filter (100% Chemisorb)
100-2012-ESD	<b>Compact filter solvents</b> particle filter H13 and wide band gas filter (100% activated carbon)



## Pre-filter (external) für MG 100



A pre-filter should be used during applications with solder baths, automatic soldering or other applications subjected to dust. This leads to a longer service life of the main filter unit.



**dpvlink 19176**

Article	Size
PF-1000	<b>Prefilter</b> delivery with clamps and 2 m connection hose



## MG 140 cleanroom



The extraction unit MG140 Cleanroom is suitable for applications in 10000 cleanrooms for the surface extraction of gases and particles. The mobile unit allows an easy change between two workstations.

With an optionally available remote control it is possible to regulate turbine speed and alarm function in a user-friendly way.



- extraction unit for the use at up to 2 workstations
- large gas filter volume
- electronic filter control with alarm function
- variable flux rate adjustment
- 3-step filter system
- 4 castors for flexible use
- fast and easy installation
- switching power supply 100-240 V (suitable for world-wide use)

Technical data MG 140:

Dimensions (LxWxH), weight:	350x335x655 mm, 18 kg
Noise level :	< 50 dB(A)
Voltage:	100-240 V, 50/60 Hz
Suction power max.:	140 m <sup>3</sup> /h
Vacuum max.:	2300 Pa
Electrical power:	100 W

**dpvlink 17243**

Article	Type
145-1000-ESD	<b>MG140</b> with compact filter (particle filter H13 and wide band gas filter) and fine-dust pre-filter F7
145-1002-ESD	<b>MG140</b> with special cleanroom filter



## Replacement filter for MG 140



**dpvlink 19170**

Article	Size
145-2000-ESD	<b>Compact filter standard</b> particle filter H13 and wide band gas filter (50% activated carbon, 50% Chemisorb)
145-2003-ESD	<b>Compact filter MEK</b> particle filter H13 and wide band gas filter (100% Chemisorb)
145-2012-ESD	<b>Compact filter solvents</b> particle filter H13 and wide band gas filter (100% activated carbon)
145-2002-ESD	<b>Compact filter cleanroom</b> 2x particle filter H13 and wide band gas filter (50% activated carbon, 50% Chemisorb)
145-4000	<b>Fine-dust filter F8</b> 2 pieces



## Remote control



dpvlink 13656



Article Type  
587.627.24 **WX adapter for remote control of Zero Smog**  
WX adapter for remote control of the units Zero Smog 4V, 6V.  
Remote control 587.359.09 and WX connecting cable 587.647.10 are required.



700-3057 **Remote control for MG units**  
connectable to MG 130, 140 and 100S



531.191.99 **Connecting cable for remote control WCB2**  
Interface cable RS232 for WCB2

### Accessories

587.647.10 WX connection cable

## Easy-Click-60 Extraction arms



dpvlink 13577



536.571.99 **Extraction arm KIT 1WF funnel**  
stop valve and table clamp (536.574.99) extraction hose flexible, 3 m (700-3051-ESD) extraction arm ø 60 mm, 1 m (OF10) funnel nozzle ALFA (536.573.99)



536.572.99 **Extraction arm KIT 1 WF nozzle**  
stop valve and table clamp (536.574.99) extraction hose flexible, 3 m (700-3051-ESD) extraction arm ø 60 mm, 1 m (OF10) sloped nozzle (536.577.99)



587.627.70 **Extraction arm KIT 1 WF 32 nozzle**  
stop valve and table clamp (536.574.99) extraction hose flexible, 3 m (700-3051-ESD) extraction arm ø 32 mm, 1 m (536.580.99) sloped nozzle (587.628.34)



587.627.63 **Extraction arm KIT 1S WF joint arm with funnel**  
articulated arm (1 joint) with throttle valve and table clamp (536.598.99) extraction hose flexible, 3 m (700-3051-ESD) extraction arm ø 60 mm, 0.7 m (OF07) funnel nozzle (ALFA)

dpvlink 13577



Article Type



536.579.99 **Extraction arm KIT 1S WF 2-joint arm with funnel**  
articulated arm (2 joints) with throttle valve and table clamp (536.598.99) extraction hose flexible, 3 m (700-3051-ESD) extraction arm ø 60 mm, 0.7 m (OF07) sloped nozzle (FT-NL)



587.627.47 **Double extraction arm 1 joint**  
with throttle valve and table clamp



536.598.99 **Double extraction arm 2 joints**  
with throttle valve and table clamp



FT-4402 **Double extraction arm 1 joint**  
with throttle valve and table clamp



FT-3470 **Extraction arm 1 joint for wall mounting**  
with throttle valve



FT-3417 **Extension rotating joint**  
with extension and rotation (for all EASYClick-60 extraction arms)



FT-3446 **Extraction arm with ball joint**  
with stop valve and ball joint table clamp

## Accessories for volume extraction Easy-Click-60



dpvlink 15097



Article	Type
536.580.99	<b>ESD sloped aluminium nozzle WF 32</b> ø 32 mm, sloped 45°, length: 1 m
0F07	<b>Extraction arm flexible, 0.7 m</b> ø 60 mm, ESD safe.
0F10	<b>Extraction arm, flexible 1m</b> ø 60 mm, ESD safe.
536.573.99	<b>Easy-Click 60 funnel-shaped nozzle</b> for flexible and joint extraction arm, width 230 mm, depth 100 mm.
FT-ALFA-T-ESD	<b>Easy-Click 60 funnel-shaped nozzle, transparent</b> for flexible and joint extraction arm, width 230 mm, depth 100 mm.
536.577.99	<b>WF 60 sloped nozzle</b> ø 60 mm, length: 130 mm
FT-N	<b>Easy-Click 60 sloped nozzle</b> ø 50 mm, length: 130 mm
FT-NS	<b>Easy-Click 60 sloped nozzle with grill insert</b> ø 50 mm, length: 130 mm
FT-P	<b>P-nozzle, sloped nozzle pipe</b> ø 50 mm, adjustable length: 105-235 mm
FT-U-ESD	<b>Easy-Click 60 nozzle</b> for flexible and articulated extraction arms, width 190 mm, depth 100 mm
FT-Z	<b>Adapter</b> for mounting the nozzles to fix extraction arms
587.627.67	<b>Easy-Click 60 extraction hose straight</b>

dpvlink 15097



Article	Type
587.627.69	<b>Easy-Click 60 extraction hose 90° bent</b> ø 60 mm
700-3051-ESD	<b>Easy-Click 60 extraction hose</b> ø 60 mm, length 3 m, plastic, grey/black, flexible
587.627.55	<b>Easy-Click 60 double plug-in connection</b> ø 60 mm, for hose extension
587.627.66	<b>Easy-Click 60 T-piece</b> with 2 plug-in connections and 1 plug-in socket
587.627.65	<b>Easy Click 60 WFV stop valve</b> for extraction arms without valve
536.574.99	<b>Easy Click 60 stop valve</b> Table connection for 60 mm extraction arm and extraction hose incl. air flow nozzle and 2 table clamps
536.575.99	<b>Table clamp set</b> 2 clamps, max. jaws opening 100 mm, metal
587.627.50	<b>Adapter 40/60</b> recommended for applications with 60 m extraction system, in connection with the older units 50WFTB and WFFMP50.
587.627.53	<b>50/60 Hose connection adapter</b> with silicone O-ring, 50 mm diameter. Connection for 60 mm flexible extraction hose to WFE 2S, 2ES, 2CS + 50 mm connections/tubes

## Pipe system 75 surface extraction



In case of the volume extraction, the volume of air is much more important than vacuum. In contrast to the suction on the tip, a pipe system with a larger diameter is needed here. A too small diameter would unnecessarily increase the flow resistance and reduce the suction power. Therefore, Weller offers the pipe system 75 with a diameter of 75 mm for volume extraction. Thus, longer conductive paths in decentralized systems can be implemented without loss of performance. The suction hose 50 with the corresponding connectors is sufficient for central systems directly at the workstation.

\* Polyethylene HDPE = high density, PE = polyethylene

dpvlink 13644



Article	Type
587.358.56	<b>Adapter PEHD without sockets</b> from pipe system 75 to pipe system 50
587.353.13	<b>Suction hose 75, Ø 75 mm</b> e.g. for the connection to a decentralized system with extraction tube 75 mm. Yard goods. Plastic, grey/black, flexible.

## Solder metals / pastes

### Solder bars

Electronic solders **ISO Tin®** are made of pure metals of first melt.

Product	Alloy	Melting range	Application
Sn100Ni+***	Sn99.3Cu0.7AgNiGe	227 °C eutectic	Wave soldering, selective soldering
Sn100C**	Sn99.3Cu0.7NiGe	227 °C eutectic	Wave soldering, selective soldering
Sn99Ag+***	Sn99Ag0.3Cu0.7NiGe	217 °C - 222 °C	Wave soldering, selective soldering
Sn98Ag+***	Sn98Ag1.2Cu0.7NiGe	217 °C - 222 °C	Wave soldering, selective soldering
Sn96Ag+***	Sn96.5Ag3.0Cu0.5NiGe	217 °C eutectic	Wave soldering, selective soldering
Sn95Ag+***	Sn95.5Ag3.8Cu0.7NiGe	217 °C eutectic	Wave soldering, selective soldering
Sn96.5Ag3.0Cu0.5	Sn96.5Ag3.0Cu0.5	217 °C eutectic	Wave soldering, selective soldering
SAC*	Sn95.5Ag3.8Cu0.7	217 °C eutectic	Wave soldering, selective soldering
Sn96.5Ag3.5	Sn96.5Ag3.5	221 °C eutectic	Wave soldering, selective soldering
Sn99.3Cu0.7	Sn99.3Cu0.7	227 °C eutectic	Wave soldering, selective soldering
Sn63Pb37	Sn63Pb37	183 °C eutectic	Wave soldering, selective soldering
Sn60Pb40	Sn60Pb40	183 °C - 190 °C	Wave soldering, selective soldering

\* NIHON Superior patent DE No. 69918758; Europe patent No. 0985486

\*\* Fuji patent: DE Patent No. 19816671C2; US Patent No. 6.179.935B1; Japan Patent No. 3296289

All electronic solders are also available as refill solder without copper.

250 g	Triangular bars	400 mm
400 g	Bars	330 x 20 x 10 mm
1000 g	Bars	330 x 20 x 20 mm
3500 g	Ingots with hook	545 x 47 x 20 mm

Also available as solid wire on reels for automatic feeder and as wire segments for first filling.

### Solder bars lead-free FELDER

#### FELDER Solder bars ISO-Tin® Sn99Ag+® FELDER



**FELDER solder bars ISO-Tin® Sn99Ag+®** bleifrei

**Alloy:** Sn99Ag0.3Cu0.7NiGe  
**Melting point:** 217-227 °C

dpvlink 15118

Article	Melting point	Form	Weight [g]
FE-5512811026	217 - 227	Bars	approx. 250



#### FELDER Solder bars ISO-Tin® S-Sn99Cu1 FELDER



**FELDER solder bars ISO-Tin® S Sn99Cu1** bleifrei

**Alloy:** Sn99.3Cu0.7  
**Melting point:** 227 °C

dpvlink 15110

Article	Melting point	Form	Weight [g]
FE-12940120	227	Triangular bars	approx. 250



#### FELDER solder bars ISO-Tin® Sn100Ni+ FELDER



**FELDER solder bars ISO-Tin® Sn100Ni+** bleifrei

**Alloy:** Sn99,3Cu0,7AgNi,Ge  
**Melting point:** 227°C

dpvlink 19885

Article	Melting point	Form	Weight [g]
FE-5512941026	227	Bars	approx. 250



#### FELDER Solder bars ISO-Tin® Sn100C FELDER



**FELDER solder bars ISO-Tin® Sn100C** bleifrei

**Alliage:** Sn99.3Cu0.7NiGe  
**Melting point:** 227°C

dpvlink 19947

Article	Melting point	Form	Weight [g]
FE-5612940040	227	Bars	approx. 1000g



### Solder bars, leaded FELDER

#### FELDER Solder bars ISO-Tin® Sn63Pb37 FELDER



**FELDER solder bars ISO-Tin® Sn63Pb37**

**Alloy:** Sn63Pb37E  
**Melting point:** 183 °C

dpvlink 15116

Article	Melting point	Form	Weight [g]
FE-12780120	183	Triangular bars	approx. 250



## Soldering wires

### Solder lead-free FELDER

#### Solder wire ISO-Core® RA Sn99.3Cu0.7NiGe® FELDER

Alloy: Sn99.3Cu0.7AgNiGe **bleifrei**  
 Melting point: 227 °C eutectic

**dpvlink 15253**

Article	Diameter in mm	Form	Weight [g]
FE-5518940520	0.5	Reel	250
FE-5518940730	0.75	Reel	500
FE-5518941030	1.0	Reel	500

- Further diameters/reel sizes available on request -

#### Solder wire ISO-Core® RA Sn96Ag04Cu0.7 FELDER

Alloy: Sn95.5Ag3.8Cu0.7 **bleifrei**  
 Melting point: 217 °C eutectic

**dpvlink 15245**

Article	Diameter in mm	Form	Weight [g]
FE-18840520	0.5	Reel	250
FE-18840730	0.75	Reel	500
FE-18841030	1.0	Reel	500

- Further diameters/reel sizes available on request -

#### Solder wire ISO-Core® EL Sn99.3Cu0.7 FELDER

Alloy: Sn99.3Cu0.7 **bleifrei**  
 Melting point: 227 °C eutectic

**dpvlink 15257**

Article	Diameter in mm	Form	Weight [g]
FE-20940520	0.5	Reel	250
FE-20940730	0.75	Reel	500
FE-20941030	1.0	Reel	500

- Further diameters/reel sizes available on request -

#### Solder wire ISO-Core® EL Sn96Ag04Cu0.7 FELDER

Alloy: Sn95.5Ag3.8Cu0.7 **bleifrei**  
 Melting point: 217°C, eutectic

**dpvlink 15261**

Article	Diameter in mm	Form	Weight [g]
FE-20840520	0.5	Reel	250
FE-20840730	0.75	Reel	500
FE-20841030	1.0	Reel	500

- Further diameters/reel sizes available on request -

#### Solder wire ISO-Core® ELR Sn100Ni+®

**FELDER**

Alloy: Sn99.3CuNiGe **bleifrei**  
 Melting point: 227°C eutectic

**dpvlink 15299**

Article	Diameter in mm	Form	Weight [g]
FE-554094052010	0.5	Reel	250
FE-554094073010	0.75	Reel	500
FE-554094103010	1.0	Reel	500

- Further diameters/reel sizes available on request -

#### Solder wire ISO-Core® ELR Sn99.3Cu0.7

**FELDER**

Alloy: Sn99.3Cu0.7 **bleifrei**  
 Melting point: 227 °C eutectic

**dpvlink 15291**

Article	Diameter in mm	Form	Weight [g]
FE-4094052010	0.5	Reel	250
FE-4094073010	0.75	Reel	500
FE-4094103010	1.0	Reel	500

- Further diameters/reel sizes available on request -

#### Solder wire ISO-Core® Clear Sn100Ni+

**FELDER**

Alloy: Sn99.3CuNiGe **bleifrei**  
 Melting point: 227°C

**dpvlink 19889**

Article	Diameter in mm	Form	Weight [g]
FE-5552940520	0.5	Reel	250
FE-5552940530	0.5	Reel	500
FE-5552940730	0.75	Reel	500
FE-5552941030	1.0	Reel	500

- Further diameters/reel sizes available on request -

#### Solder wire ISO-Core® Clear Sn96.5Ag3Cu0.5

**FELDER**

Alloy: Sn96.5Ag3Cu0.5 **bleifrei**  
 Melting point: 217-219°C

**dpvlink 19894**

Article	Diameter in mm	Form	Weight [g]
FE-52760520	0.5	Reel	250
FE-52760530	0.5	Reel	500
FE-52760730	0.75	Reel	500
FE-52761030	1.0	Reel	500

- Further diameters/reel sizes available on request -

## Solder leaded FELDER

### Solder wire ISO-Core® RA S-Sn60Pb40

FELDER

Alloy: Sn60Pb40  
Melting point: 183°C - 190°C

dpvlink 15249



Article	Diameter in mm	Form	Weight [g]
FE-18600520	0.5	Reel	250
FE-18600730	0.75	Reel	500
FE-18601030	1.0	Reel	500

- Further diameters/reel sizes available on request -

### Solder wire ISO-Core® EL S-Sn60Pb40

FELDER

Alloy: Sn60Pb40  
Melting point: 183°C - 190°C

dpvlink 15265



Article	Diameter in mm	Form	Weight [g]
FE-20600520	0.5	Reel	250
FE-20601030	1.0	Reel	500
FE-20600730	0.75	Reel	500

- Further diameters/reel sizes available on request -

### Solder wire ISO-Core® EL S-Sn62Pb36Ag2

FELDER

Alloy: Sn62Pb36Ag2  
Melting point: 179°C eutectic

dpvlink 15273



Article	Diameter in mm	Form	Weight [g]
FE-20720530	0.5	Reel	500
FE-20720730	0.75	Reel	500
FE-20721030	1.0	Reel	500

- Further diameters/reel sizes available on request -

### Solder wire ISO-Core® ELR S-Sn60Pb40

FELDER

Alloy: Sn60Pb40  
Melting point: 183°C - 190°C

dpvlink 15287



Article	Diameter in mm	Form	Weight [g]
FE-4060052010	0.5	Reel	250
FE-4060073010	0.75	Reel	500
FE-4060103010	1.0	Reel	500

- Further diameters/reel sizes available on request -

### Solder wire massive

FELDER

Alloy: Sn63Pb37  
Melting point: 183°C eutectic

dpvlink 15305



Article	Diameter in mm	Form	Weight [g]
FE-14753040	3.0	Reel	1000

- Further diameters/reel sizes available on request -

## Solder pastes

### Solder pastes FELDER



ISO-Cream® SMD FELDER solder pastes ensure a high flexibility.

All ISO-Cream® SMD solder pastes can be adjusted with viscosities between 300 and 900 PA s (according to Brookfield, 5 U/min, TF spindle, 25 °C) according to customer's demand. Advanced testing and control procedures based on national and international standards guarantee 100% continuous, batch-to-batch qualities.

#### No-clean SMD soft solder pastes

Homogeneous, ready-made and low-odor mixture of metal powder, binders, solvents, fluxes and thixotropics.	
ISO-Cream® "EL 5510"	<b>No-clean</b> SMD solder paste, best wetting in <b>lead-free</b> applications. Premium contour stability, optimal printability, very high surface resistance. Long processing period of at least 48 hours. Suitable for all reflow applications. (ROLO)
ISO-Cream® "Clear"	<b>No-clean</b> SMD solder paste, best wetting on all PCB surfaces especially NiAu and NiPd under normal conditions. Protective atmosphere also in the vapor phase, halogen-free (<0.01%), rosin-free, clear and unobtrusive residues, low tendency to void generation
ISO-Cream® "EL 3202"	<b>No-clean</b> SMD solder paste, best suitability for <b>vapor phase soldering</b> . Particularly suited for the <b>stencil printing</b> . Low water-clear residues. Long processing period of at least 48 hours. (ROL1)
ISO-Cream® "EL 3203"	<b>No-clean</b> SMD solder paste with excellent wet bonding strength for automatic placement machines with high acceleration or deceleration. Printed circuit boards up to 32 h can be equipped. High contour stability, high service life on the stencil (up to 8 hours). (ROL1)

#### SMD special soft soldering pastes

<b>For soldering of poorly solderable components with downstream cleaning process.</b> Homogeneous, ready to use and low-odor mixture of metal powder, binders, solvents, fluxes and thixotropics.	
ISO-Cream® "RA 2601"	Flux according to DIN EN 29454.1, 1.1.3.C or DIN EN 61190-1-3, ROM1. Especially for poorly wettable solder partner. The flux residues on the soldered circuits should be removed.
ISO-Cream® "ELW 2303"	Flux according to DIN EN 29454.1, 1.1.3.C or DIN EN 61190-1-3, ORM0. Solder paste with water soluble residues. Excellent wetting on all common surfaces. The residues can be completely removed with distilled water.

Cans	250 g und 500 g
Cartridges	6 und 12 oz Semco®
Cartridges	ProFlow™ and PuckPack™
Dispenser cartridge	5, 10 und 30 ccm

bleifrei Alloys	
Sn96Ag+® Sn96.5Ag3Cu0.5NiGe	217 - 219 °C
Sn100Ni+® Sn99.3Cu0.7AgNiGe	227 °C eutectic
Sn95.5Ag4Cu0.5	217 °C eutectic
Sn96.5Ag3.5	221 °C eutectic
Bi58Sn42	138 °C eutectic

Leaded Alloys	
Sn62Pb36Ag2	179 °C eutectic
Sn63Pb37	183 °C eutectic
Pb93Sn5Ag2	296 - 301 °C

Metal proportions	
Dispenser application	85 - 88 %
Screen printing	88 %
Stencil printing	88 - 90 %

Grain sizes		
KG 2	Standard	45 - 75 µm
KG 3	Fine-Pitch	25 - 45 µm
KG 4	Superfine-Pitch	20 - 38 µm
KG 5	Superfine-Pitch	15 - 25 µm

## FELDER ISO-Cream® Solder paste EL 3202 Sn95.5Ag4Cu0.5

FELDER

Alloy: Sn95.5Ag4Cu0.5 **bleifrei**  
 Melting point: 217 °C eutectic

dpvlink 15323

Article	Content [g]	Metal content [%]	Grain size
FE-238432029060	500	90	3 (25-45 µm)

## FELDER ISO-Cream® Solder paste EL 5510 Sn96Ag+

FELDER

Alloy: Sn96.5Ag3Cu0.5NiGe **bleifrei**  
 Melting point: 217 °C - 219 °C

dpvlink 15325

Article	Content [g]	Metal content [%]	Grain size
FE-55237655118960	500	88 - 89	3 (25-45 µm)

## FELDER ISO-Cream® Solder paste EWL 2303 Sn95.5Ag4Cu0.5

FELDER

Alloy: Sn95.5Ag4Cu0.5 **bleifrei**  
 Melting point: 217 °C eutectic

dpvlink 15327

Article	Content [g]	Metal content [%]	Grain size
FE-238423038955	250	89	3 (25-45 µm)

## Felder ISO-Cream® solder paste "Clear" Sn96.5Ag3.0Cu0,5

FELDER

Alliage: Sn96.5Ag3.0Cu0.5 **bleifrei**  
 Melting point: 217 - 219 °C

dpvlink 20019

Article	Content [g]	Metal content [%]	Grain size
FE-238552008960	500	88.5	3 (25-45 µm)

## Flux Pen

### Flux (without brush)

Weller



Liquid flux (100 ml), type 1.1.3.A (F-SW32), EN29 454, residues of the flux are not corrosive

dpvlink 2702

Article	Type
513.831.99	<b>Flux (without brush), 100 ml</b> Flux for processing PCBs and components

### Dispensing pen ESD / Flux pen



Specific amounts of 'no-clean' flux, solvents, lubricants, cover masks and water-based products are applied with dispensing pens. They prevent the evaporation of the medium. A unique valve dispenses precisely the medium and prevents a leakage and spattering.

dpvlink 7861

Article	Type
571.010.ESD	<b>Dispensing pen ESD / Flux pen 10 ml</b> with standard tip chisel-shaped / acrylic AC, empty (without medium), refillable
571.011.AB	<b>Replacement tip spherical shape / acrylic type AB</b> (for dispensing pen art. 571.010.ESD)
571.011.AC	<b>Replacement tip chisel-shaped / acrylic -standard- type AC</b> (for dispensing pen art. 571.010.ESD)
571.011.AP	<b>Replacement tip dot shape / acrylic type AP</b> (for dispensing pen art. 571.010.ESD)
571.011.PC	<b>Replacement tip chisel-shaped / polyester type PC</b> (for dispensing pen art. 571.010.ESD)

### CCP Dispensing / flux pen, empty 344



- refillable with every flux
- supplied with flat tip
- exchangeable tip
- refillable
- ideal for the repair of SMD boards
- precise positioning of the flux

dpvlink 12931

Article	Type
C-344.705	<b>CCP dispensing / flux pen with flat tip, empty</b>
C-344.706	<b>Replacement tip for flux pen (flat)</b>

## Dispensing pen ESD Bonpen



Empty dispensing pen refillable

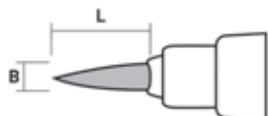
- 7 different tips for diverse applications
- Excellent for fine and precise application of the flux or other suitable solutions
- Usable for flux, solvents, lubricants, masks and water-based products
- antistatic / ESD version

dpvlink 23097



Article	Type
I-BON-102.ESD	<b>Dispensing pen ESD BON-102</b> Tip I-BR-102 conical short, fine nylon brush Width 4.3 mm, length 14 mm
I-BON-102B.ESD	<b>Dispensing pen ESD BON-102B</b> Tip I-BR-102B conical short, fine felt Width 4.0 mm, length 9.5 mm
I-BON-102D.ESD	<b>Dispensing pen ESD BON-102D</b> Tip I-BR-102D chisel-shaped flat, fine nylon brush Width 6.2 mm, length 17 mm
I-BON-102F.ESD	<b>Dispensing pen ESD BON-102F</b> Tip I-BR-102F chisel-shaped flat, fine felt Width 4.5 mm, length 10 mm
I-BON-102K.ESD	<b>Dispensing pen ESD BON-102K</b> Tip I-BR-102K chisel-shaped oblique, fine felt Width 4.5 mm, length 12.5 mm
I-BON-102S.ESD	<b>Dispensing pen ESD BON-102S</b> Tip I-BR-102S conical ultrafine and extra short, fine nylon brush Width 2.5 mm, length 10 mm
I-BON-102T.ESD	<b>Dispensing pen ESD BON-102T</b> Tip I-BR-102T conical long, fine nylon brush Width 5.2 mm, length 18 mm
I-BON-102A.ESD	<b>Dispensing pen ESD BON-102A</b> contains dispensing pens Bonpen I-BON-102, I-BON-102B, I-BON-102D, I-BON-102F, I-BON-102K, I-BON-102S, I-BON-102T

## Tips Bonpen



PU: 5 pieces

dpvlink 23098



Article	Version	W [mm]	L [mm]
I-BR-102.ESD	conical shape short, fine nylon brush	4.3	14
I-BR-102B.ESD	conical shape short, fine felt	4.0	9.5
I-BR-102D.ESD	chisel shape flat, fine nylon brush	6.2	17
I-BR-102F.ESD	chisel shape flat, fine felt	4.5	10
I-BR-102K.ESD	chisel shape oblique, fine felt	4.5	12.5
I-BR-102S.ESD	Conical ultrafine and extra short, fine nylon brush	2.5	10
I-BR-102T.ESD	conical shape long, fine nylon brush	5.2	18

## Cartridge for dispensing tip Bonpen ESD



dpvlink 23114



Article	Type
I-CA102.ESD	<b>Replacement cartridge for dispensing pen ESD Bonpen</b> Content: 7ccm, PU: 5 pieces

## SMF Flux pen

ELECTROLUBE



SMF flux pen

- Excellent solderability. Excellent solder expansion
- Quickly drying, easily activated 'no-clean' flux (type RMA)

- Leaves few nonadhesive/corrosion-free residues
- halide-free, therefore no cleaning necessary
- 100% ozone friendly
- Very reliable

dpvlink 7569



Article	Type	Volume	PU
SMF12P	SMF Flux pen	12 ml	5 piece

## Lead-free flux pen

Chemtronics



Lead-free flux pen

- corrosion-free, halide-free, no-clean flux
- **für Metall-Einsatz** (RoHS konform)

- complies with Bellcore TR-N-NWT-000078 and IPC SF-8181 for surface resistance
- corresponds to ANSI / IPC J-STD-004, Type ROL0
- can easily be removed with Chemtronics lead-free flux remover

dpvlink 7764



Article	Type
CW8400	<b>Lead-free flux pen, 9.0 g</b>

## Flux pens CircuitWorks

Chemtronics



Flux pens CircuitWorks®

Pen for an accurate and controlled application of the flux. The marking tip allows an exact application of the flux on the surface. Can be easily removed with the flux remover pen or with a Flux-Off flux remover.

### No-Clean flux pen:

- Applies a patented, corrosion- and halogen-free organic No-Clean flux
- Flux meets the requirements of Bellcore TR-NWT-000078 and IPC SF-818 for surface insulation resistance

### Rosin flux pen:

- Applies a corrosion-free flux type R
- Flux meets the requirements of MIL-F-14256 E+F type R and RMA

dpvlink 6319



Article	Type
CW8100	<b>No-Clean flux pen 9.0 g</b>
CW8200	<b>Rosin flux pen 9.0 g</b>

## Flux remover

### FLU Flux cleaner

ELECTROLUBE



#### FLU flux cleaner

- Compatible with most plastics, types of rubber and elastomers
- Leaves a perfectly clean and dry surface
- Very efficient cleaning
- available with brush attachment

dpvlink 2554

Article	Type
FLU200D	FLU Flux cleaner, 200 ml aerosol can
FLU400D	FLU Flux cleaner, 400 ml aerosol can
FLU400DB	FLU Flux cleaner, 400 ml aerosol can with brush

- large container 1 / 5 / 25 liters available on request -

### HFFR Hexane-free flux remover

ELECTROLUBE



#### HFFR Hexane-free flux remover

- n-hexane-free
- efficient removal of all flux residues
- harmless to most plastics, rubbers and elastomers
- provides an absolutely clean and dry surface without residues

dpvlink 22084

Article	Type
HFFR400DB	HFFR Hexane-free flux remover, 400 ml aerosol with brush

### LFFR Lead-free flux remover

ELECTROLUBE



#### LFFR lead-free flux remover

- Fast drying, solvent-based cleaner for a fast and thorough removal of process residues
- Efficiently in the use of R, RA, RMA and No-clean flux residues
- **für halbfrei Einsatz**
- Suitable for the removal of oils and lubricants
- Compatible with most plastics, types of rubber and elastomers
- Results in a perfectly clean and dry surface
- Leaves no oily deposits like other solvents
- 100% ozone friendly, low in odor

dpvlink 7574

Article	Type
LFFR400DB	LFFR Lead-free flux remover, 400 ml aerosol can with brush

### SWAS Safewash Super flux cleaner

ELECTROLUBE



#### SWAS Safewash Super flux cleaner

- removes flux residues and No-Clean flux to military cleanliness standards
- low odor
- non-toxic
- suitable for the use stack cleaning systems with ultrasonic bath, dipping bath, and in the spraying machine/dishwasher

dpvlink 21890

Article	Type
SWAS05L	SWAS Safewash Super flux cleaner, 5 liters canister

### Lead-free flux remover pen

Chemtronics



#### Lead-free flux remover pen CircuitWorks®

Pen for the exact removal of fluxes from PCBs.

- Removes the lead-free flux completely within seconds
- Can be used also for "previous" fluxes and tins
- Dries quickly
- **für halbfrei Einsatz**
- RoHS compliant
- Cleans smallest surfaces on PCB
- Controlled and accurate application by marking dispenser

dpvlink 7761

Article	Type
CW9400	Lead-free flux remover pin 9.0 g

### Flux remover pens CircuitWorks

Chemtronics



#### CircuitWorks® flux remover pens

Pen for a precise removal of fluxes from PCBs.

- Removes the flux completely within seconds
- Dries quickly
- Cleans smallest surfaces on PCBs
- Controlled and accurate application by marking dispenser

dpvlink 6316

Article	Type
CW9100	Flux remover pen No Clean 9.0 g
CW9200	Rosin flux remover pen 8.0 g

### FLUX-OFF "Lead-free" flux remover

Chemtronics



#### FLUX-OFF® "Lead-free" flux remover

Flux remover for the cleaning of lead-free fluxes with high temperature

- **für halbfrei Einsatz**
- Flammable - not for the use in live circuits
- Ozone friendly, CFC-/ HCFC-free
- Quickly drying
- Leaves no residues
- Removes flux from difficult to reach surfaces
- Removes residues of ionic and nonionic fluxes

dpvlink 7759

Article	Type
ES897.BE	FLUX-OFF "Lead-free" flux remover, 200 ml aerosol can with brush (BrushClean)

### FLUX-OFF Water-soluble flux remover

Chemtronics



#### FLUX-OFF® water-soluble flux remover

Flux remover for cleaning water-soluble and rosin-containing flux.

- Safe to use on plastics
- Flammable - not for the use in live circuits
- Ozone friendly, CFC-/ HCFC-free
- Dries quickly, without leaving any residues
- Removes fluxes of difficult to reach surfaces
- Removes residues of ionic and nonionic fluxes
- Safe to use on water-sensitive components

dpvlink 6313

Article	Type
ES830.BE	FLUX-OFF Water-soluble flux remover, 200 ml aerosol can with brush (BrushClean)

## FLUX-OFF Rosin flux remover



### FLOX-OFF® Rosin Flux Remover

Flux Remover for the cleaning of rosin and rosin-containing No-Clean flux.

- Safe to use on plastics
- Inflammable - not for the use on live circuits
- CFC-free
- Quickly drying, no residues
- Cleans difficult to reach areas

[dpmlink 6309](#)



Article	Type
ES835.BE	FLUX-OFF Rosin flux remover, 200 ml aerosol can with brush (BrushClean)



# Subject index

## A

ABEBA Professional footwear 26-37  
 Access control 192-195, 198-200  
 Access control system 192-194  
 Accessories 183  
 Acetone 174  
 Adhesive 155-156, 583  
 Adhesive tape 187-190  
 Adhesive tape dispenser 181, 188-189, 296  
 Adhesive tape, antistatic / conductive 187-188  
 Adhesive tape, Polyimid- 624-625  
 Aerosol 162, 175, 571  
 Aerostat Ionizer 218, 220  
 Aerowips 573  
 Alr Gun Ionizer 220-221  
 Air humidity measurements 205, 211  
 Air ionizer 217-223  
 Air-cushion film 282-283  
 Air-cushioned envelopes 282  
 ALBATROS professional footwear 76-77  
 Alligator clip 141, 144-145  
 All-purpose tweezers 385-386, 397-398, 401  
 Analog-to-digital converter 215-216  
 Antistatic aerosol 574  
 Antistatic cleaning 574-575  
 Antistatic foam cleaner 574  
 Assembly stand 528-531  
 ATLAS Professional footwear 64-69  
 Audit case 205-206  
 Average measurement 212

## B

BAAK Professional footwear 88-92  
 Backrest electrode 210  
 Bag 274, 279-280  
 Bags, vacuum cleaner 167-168  
 Balances 523-524  
 Banana sockets conversion kit 144  
 Barcode scanner 204  
 Barrier system 190-191, 198  
 BATA Professional footwear 86-88  
 Beading pliers 461  
 Belt barrier post 190  
 Bending / special pliers 461-463, 486-487  
 Bending pliers, special pliers 461-463, 486-487  
 BIMOS swivel chairs 234-245  
 Bin rail 255  
 BIRKENSTOCK Professional footwear 24-25  
 Biro 180  
 Bit holder / sockets 414, 417-420, 427-432, 435  
 Bit sets 428, 432  
 Bits 427-432  
 Bleeder resistance measurement 204, 206, 209-210  
 BlueLine Ionizer 219, 221-222  
 Bouffant cap 130  
 Box 341  
 Box shelf / rail 252, 258  
 Broom 166  
 Bucket 167  
 Buds 571  
 Business / Manager shoe 35-36, 43, 46, 63, 68

## C

Cable ---> grounding cable 141-142  
 Cable drum 205  
 Cable fastening 259  
 Cable shears 480  
 Calculator 181  
 Calibration units ---> measuring and testing devices 195  
 Caliper gauge 497  
 Cam BETA magnifier 566  
 Canmat 95-96, 130

Cap, reusable 112, 268  
 Caps 123-126  
 CARBOSTAT 275  
 Cardboard packaging - shipping boxes 288-290  
 Cardboard packaging, containers / storage boxes 288-289, 291-294  
 Cargo trousers 123-126  
 Cartridges 540  
 Castors/wheels 164, 377-381  
 CD-Rom - The invisible lightening 15  
 Ceramic trimmer 416  
 Ceramic tweezers 392, 397  
 Chair - adjustable to the body weight 238  
 Chair - Armrests 227, 233, 237-238, 241-244, 246-248, 270-271  
 Chair - backrest adjustable 226-228, 233, 237-238, 241-243, 245-248, 270  
 Chair - base aluminium 226-228, 233, 237-238, 243-248, 270, 272  
 Chair - Climbing aid / foot ring 237-238, 240-244, 246-248, 270-271  
 Chair - ESD castors 227, 237-238, 240-244, 246, 248, 270-272  
 Chair - ESD cushion - Skai 239  
 Chair - ESD cushion - Textile 238-239, 247  
 Chair - ESD cushion Magic 237  
 Chair - ESD glides 227, 237-238, 240-244, 246-248, 270-272  
 Chair - ESD upholstery - integral foam 237, 239, 245  
 Chair - gas spring (extended) 226-227, 233, 245  
 Chair - Sit stand 230  
 Chair - steel sheet equipment 244, 271  
 Chair cover - fabric 226-228, 233, 241-242, 244-245, 247  
 Chair cover - synthetic leather 226-228, 241-244, 270-272  
 Chair with backrest 226-228, 233, 240, 248  
 Chair with castors 226-228, 233, 245, 247  
 Chair with glides 226, 230  
 Chairs 210, 224-249  
 CIRCUS magnifying lamp 547  
 Clamping electrode 210  
 Cleaning 161-169, 569, 574-578  
 Cleaning - shoes 98-99  
 Cleaning agent 586  
 Cleaning brushes 171-173  
 Cleaning kit 573  
 Cleaning solution 576  
 Cleaning trolley 165-169, 182  
 Cleaning wipes 162, 570, 575-578  
 Cleaning, antistatic 569, 574-575  
 Cleaning, emitter electrodes 218  
 Cleaning, integrated brushes 218, 220  
 Cleanroom 126, 267-268  
 Cleanring agents / products 161-169, 569, 576-578  
 Climbing aid 249  
 Clogs 19-23, 26-29, 31-32, 34, 36, 38, 45, 268  
 Clogs ---> Safety clogs 45, 67  
 Clothes 100-139  
 Clothes with collar 108-112, 117-118, 121-124, 128  
 Clothes with pockets 108-112, 118, 124, 128  
 Clothes, long sleeves 108-112, 118, 121, 123-124  
 Clothes, short sleeves 110-111, 116-118, 120-124  
 Coat design - 3/4 long, short sleeves 111  
 Coat design - short, short sleeves 110  
 Coat version - 3/4 long, long sleeves 108-109, 111-112  
 Coat version - short, long sleeves 110  
 Cold light, linear luminaire 541-544

Cold light, magnifying lamps 546  
 Coldlight, workstation lights 541-544  
 ColoRex 152, 155  
 ColoRex Plus 152  
 Combination pliers 478-479  
 Compact 198  
 Compact Mantis 554-557  
 Complete cabinets, SMD 330-332  
 Component counters - Accessories 522  
 Component counting devices COUNTY 521-522  
 Component counting scales 523-524  
 Component processing - Accessories 513, 518  
 Component processing - CUT-BEND/VARIOCUT 512-513, 516  
 Component processing - OLAMEF series TP 513-520  
 Compressed-air sprays 579  
 Computer mouse 181  
 Concept work tables 252-256  
 Concept workstations 256  
 Connecting wires 141, 201  
 Connection Work tables 254  
 Contact cleaning 576-579  
 Contact grease 580  
 Contact heat resistant 136  
 Contact stripes 95-98  
 Contact strips 95-98  
 Container with lid 293  
 Container, folding box 298-299  
 Container, inserts/inlays 291-294, 303, 316-321, 333-337, 340  
 Container, partitioning 291-294, 316, 354  
 Containers, IC bars 291-294, 341  
 Containers, SMD 330-333, 345-348  
 Control cabinet key 495-498  
 Control unit Kilews 443  
 Copper tape 144, 155  
 CORSTAT 288-289, 291-294  
 CORTRONIC 288-289, 291-294  
 Counting balances - accessories 524  
 Counting devices for components 521-522  
 Counting scales 523-524  
 Coverings, shelf 149  
 CPM Charged Plate Monitor 214-215  
 Crimping pliers - self-adjusting 491  
 Cross tweezers 388, 390, 396, 401, 404  
 Cross-shaped key 495  
 Cut protection glove 134  
 Cut-off remover 510-512  
 Cut-off saw 521  
 Cutter 180  
 Cutting pliers 461  
 Cutting tweezers 403-404, 407-408

## D

Desiccants 280, 284  
 Desoldering / soldering stations WXD 596  
 Desoldering braid 621-622  
 Desoldering braids FELDER 622  
 Desoldering braids SODER-WICK 621-622  
 Desoldering iron 607-608  
 Desoldering stations WR 597-599  
 Desoldering system Reflow set 598  
 Desoldering tips 616  
 Desoldering/rework stations WXR 594-595  
 Desoldering/Soldering stations accessories 596, 599  
 Detector systems 212-213  
 Diagonal cutting pliers, end-cutting pliers 450-487  
 Diagonal cutting pliers, special cutting pliers 458-459, 463, 478, 487  
 DIL contact cutter 484  
 Discharge time measurement 214-215  
 Dispenser 173-175  
 Dispenser, adhesive tape 188-190

Dispenser, for overshoes	95	EPApack	275-276, 279, 282-283, 288, 290, 295	Finish remover	162, 571
Dispensers	532-536, 539-540	EPApro 1000	192-194, 198-200	Fixed castors	378-381
Dispensing	532-534, 536-539	EPApro Control Server	192-194	Flat brush	171-172
Dispensing bottles	173-175	EPAstore	294-295, 307-315, 345-346, 348, 375	Flat film	281
Dispensing devices Fisnar	538-539	EPAwear	101-109, 116, 122-123	Floor cleaner	162, 571
Dispensing devices Kahnetics	539-540	Epoxy casting compound	584-585	Floor coating systems	160
Dispensing devices Kahnetics accessories	540	Equipment tray	256	Floor elements	153, 159
Dispensing devices Vieweg	532-536	Equipping stand	528-531	Floor marking	153, 188
Dispensing equipment	173-175	Equipping tweezers	384-412	Floor marking tape	188
Dispensing needle range	539	Ergonomic tweezers	402-403, 408	Floor mat - ASTRO	146, 150
Dispensing needles	538-540	ESD adhesive tape	187-188, 296	Floor mat - EL	146
Dispensing product	156	ESD adhesive tape dispenser	181, 188, 296	Floor mat - MEGA	146, 150
Dispensing technology consumable	536-538, 540	ESD analysis	10	Floor mats	146, 150-151, 154-159
Disposable clothes	127-130	ESD brush	171-173	Floor mop	163, 570
Disposable cuffs	129	ESD brushes	172-173	Floor stand/smart part magazines	337-340
Disposable finger cots	139	ESD calculator	181	Floor wax, dissipative	162, 571
Disposable gloves	139, 266	ESD case	322-325, 327	Floorings	146, 148, 150-156, 211
Disposable heel strap	95-98	ESD castors / wheels	251-252, 377-381	Flux	639
Disposable heel straps	95-98	ESD cleaner	162, 571	Flux dispenser	174-175
Disposable hood	129	ESD clothes	108-130	Flux Pen	639-640
Disposable overshoes	95-98, 130	ESD consultation	10	Flux pencil	639-640
Disposable skirt	129	ESD cutter	180	Floor remover	576-578, 641-642
Distance cutter	487	ESD detector system	211-212	Foam cleaner	574, 576
Document holder	179, 183, 197, 255, 348, 372	ESD dispenser	173-174	Foam film	284
Document pocket	176-177	ESD file magazine	182	Foam foil, PE	284
Documentation / Archiving	196, 204, 208	ESD filing trays	182	Foambuds	571
Dominant color	579	ESD flat brush	171-172	Foams	288, 290, 295
Double conductor spiral cable	141-142	ESD floor coverings	148, 156-159	Foil tacky mats	99, 269
Double conductor wriststrap	141-142	ESD floor mats	148	Fold-out holder PocketStar	497
DPV swivel chairs	224-233	ESD gloves	131-139, 266	Folder	176
DPV- komfort	19-23, 226, 233	ESD grounding	142-144	Folding box	298-299
Drawer cabinets	337-340	ESD hand brush	173	Folding boxes SMD	331-333
Drawer magazines	338-340	ESD hard brush	171-172	Foot switch	220
Drawer unit series 45	262-263	ESD measuring point marking	188	Footbeds	37, 43, 49, 63, 69, 92
Drawer unit series LMC	261	ESD mouse for PC	181	Footrest	249
Drawer units	261-263	ESD Mouse pad	181-182	Forklift accessible	152
Drawer units accessories	263	ESD PC mouse	181	Forming pliers	177, 461-463
Drawer units series 30 and 35	262	ESD pencil cup	181	Forming tool	486-487
Drawer, storage	261-263, 340	ESD pencil holder	181	Frame on castors with stirrups	345-348
DRY-SHIELD	279-280	ESD protection	165	Freezer spray	579
Dustpan	166-167, 182	ESD puncher	180	FTG professional footwear	82-85
<b>E</b>		ESD Racks	251-252, 374-376	<b>G</b>	
Easy-Click-60 accessories	635	ESD ruler	180	Gaiter	37, 268
Easy-Click-60 extraction arms	634	ESD scissors	180	Garbage bags	163-165
Eco Gun	221	ESD screwdrivers	417-418	Garbage container/garbage can	163-164, 167, 182
ECOSTAT interlocking system	153, 159	ESD shoes	19-43, 70-74	Glides	249
Elastic / Permanently elastic	148, 159, 172	ESD socks	93	Gloves - CARBON	132-133
Electric field meter	205, 212-215, 223	ESD stapler	180	Gloves - COOPER	133-134
Electric screwdrivers	436-446	ESD stretch film	284	Gloves - LEO	131-132
Electric screwdrivers Accessories	444-446	ESD table coverings	147-148	Gloves - Palms coated	131-134, 137
Electric screwdrivers Delvo	445-446	ESD table mats	147-148	Gloves - polyester	134-135
Electric screwdrivers Kilews	436-442, 444-445	ESD table plate	149	Gloves - TEGERA	135-139
Electrode	205-206, 209-211	ESD tweezers	385-387, 390-392, 394-396, 401-403, 409, 412	Gloves - textile	133-134
Electrode Mini Probe	208	ESD vacuum cleaner	167-168	Gloves - textile CUT	134
Electrode, backrest	210	ESD Workwear	100-139	Gloves EPAGlove	131-134
Electrode, manual	209, 215-216	ESD-Event Monitor	211-212	Grease	580
Electrode, plate	214-215	Euro box trolleys	365, 369-370	Ground Man Plus	202
Electrode, ring	209	Euro container	300-303, 305-306	Ground Master	202
Electronic cleaner	576	Event counter	211-212	Grounding accessories	144
Eletrode, tripod	211	Event display	211	Grounding boxes	142-144
Elite Mantis	554-557	Extraction ----> solder fume extraction	625-635	Grounding cable	141-142, 145, 201, 249
ELTEN professional footwear	56-63	Extraction unit for PCB separator	512	Grounding connection	142-144, 155
EM EYE ESD Event Detector	212	Eye-piece microscopes	553-554	Grounding monitoring	200, 202
Embroidery	109	<b>F</b>		Grounding plug	142-144
End-cutting pliers	458-459, 471, 474, 481-482	Fabric wriststrap	140-141	Grounding plugs	142-145
EPA	95	Field meter, electrical	212	Grounding strips	144
EPA Electrostatic Protected Area	192-194	Field Service Kit	145	Grounding wires	141-142, 208
EPChair	224-232	Field strength meter	212-213	Grouting compound, expoy	584-585
EPAClean	569	Filing trays	182	Grouting compound, Polyurethane	585
EPAGlove	131-134	Film bag	279-280	Gusseted bags	165, 281, 297
EPAmove	358-364	Film sealing device	285-287	<b>H</b>	
		Filter, vacuum cleaner	167-168	Half-finger gloves	139
		Finger cots	139	Halogen-free	148
				Hand brush	167
				Handling instructions	184

# Subject index

Hard brush	171-172	Laboratory kits SMD	330	<b>N</b>	
Hard laminate	149	Lamination foil	177	Needle-nose pliers	450-487
Hexagon screwdriver with ballpoint	415, 419-420, 423, 425, 496	Lanyards	130	Needle-nose pliers, Pointed long-nosed pliers	460, 468, 485
Hexagon screwdrivers	419-420, 422-425	LED lights	541, 546, 548-549	NEWBOX Euro container	305-306
High-precision stripping tool	493	LED magnifying lamp	545-550	Non-marking castors	251-252, 380-381
High-precision tweezers	401	LEMAITRE professional footwear	78-79	Nonwoven	151
HIGHSHIELD	278, 282-283	Lid for Euro containers ---> Euro containers	300, 302-303, 305	NORASTAT	145-146
Hinged utility boxes	327	Light Euro container	303-304	<b>O</b>	
Hinged-lid boxes	329	Lighting NaturLite	543	Oblique cutting pliers, diagonal cutting pliers	464-465, 471, 474, 482
Hot-air devices - LEISTER	619	Lights	541-544	Off-cut remover - blades	512
Hot-air devices - WELLER	600-602	Loafer	30-31, 36, 43, 45, 268	Off-cut remover Accessories	511
Hot-air nozzles	601-602	Locking varnish	579	Off-cut remover DPP	511
Hot-air nozzles for HAP1	601	Long-nose pliers	480	Off-cut remover Hektor	510-511
Hot-air nozzles for WHA900 / WHA3000	602	Loose lid	164	Off-cut remover manual	512
Hot-air station WAD	600	Loose lid for pallets	297	Office chairs	224-249
Hot-air station WXA	600	Low-voltage screwdrivers	436-440	Office supplies	176-182
Hot-air stations	600-601	Lubrication	580	One Touch Dispenser	173-174
Hot-air stations accessories	601, 609-610	LUPOS professional footwear	50-51	Optical inspection systems	554-566
Hot-air stations WHA	601	LYNX EVO accessories	559	Organization system	182, 608, 613, 622
HOT-JET soldering / desoldering	619	LYNX EVO CAM	560-561	Organization systems office	176-182
<b>I</b>		LYNX EVO Inspection system	559	Orthopedic insoles	92
IC bar container	293-294, 341	LYNX inspection system	559	Overalls	109, 113
IC butler	501	<b>M</b>		Overhead Air Ionizer	219-220
IC mounting/dismounting tool	501	MAESTRO PCB separator	506-507	Overload control	201
IC pliers	501	Magazine	354-358	Overshoes	95-98
IC processing tools	501	Magazine file	182	Overshoes, reusable	95-97
ID card cover	130	Magnetic	183	<b>P</b>	
Ikarus Holm	199-200	Magnetizer	497	Packaging	165, 281, 297
Impregnation spray	94	Magnifier Cam BETA	566	Packaging adhesive tapes	187-190
Industrial sole cleaner	98	Magnifier lamps accessories	545-550	Packaging film	284
Industrial vacuum cleaner	512	Magnifier lamps Daylight	548	Packaging film	284
Insert container für Euro container	303-304	Magnifier lamps Luxo	545-547	Packaging, air cushion	282-283
Inspection mirror	495	Magnifier lamps TEVISIO	549	Packaging, film bag	274-275, 279-280
Inspection system - LYNX	559	Magnifier lamps Waldmann	549	Paper labels	184-185
Inspection system - MANTIS	554-557	Magnifiers	545, 566-568	Part bin magazine	344
Inspection system Ideal-tek	565	Magnifiers - accessories	566-568	Part bins, storage boxes	342-344
Inspection systems accessories	554-557, 559	Magnifiers - Eschenbach	566-568	Partition	291-292, 307-316
Inspection systems Eschenbach	551	Magnifying lamps	545-550	Partition walls	291-292, 309-310, 312-313, 316, 350-351
Inspection systems Vision	559, 566	Maintenance aid	579	Partition walls, PCB holder	348-354
Insulated	388	Makrolite 4K	564	Partitions	307-315
Interconnection / Interconnection possible	197, 200, 202	MANTIS accessories	555-557	Partitions/container	291-294, 307-316
Interlayers	308, 311, 314	MANTIS Compact	555-557	Patch	109
Interlayers / containers	150, 283-284, 291-294	MANTIS Elite	556-557	PC cleaning agent	571
Interlocking flooring	152, 157, 159	MANTIS inspection system	554-557	PC holder	373
Ionization meter	214-215, 222	Manual desoldering pump	622	PCB holder	348-358
Ionizer, with goose-neck	220	Manual electrode	209, 215-216	PCB holder accessories	351-352, 354
Ionizers	217-223	Mask	130	PCB holder L-shape	348-349
Ionizers, aerosol cans	222	Mask dots	625	PCB holder plug-in boards	348-349
Ionizers, gun	220-221	Mat	156-159	PCB holder test kit	351-352
Ionizers, Overhead model	219-220	Material stand	370	PCB magazines	354-358
Ionizers, portable	217-219	Measuring case	204-205	PCB separator	504-510
Ionizers, table-top model	217-219	Measuring points, marking	188	PCB separator MAESTRO 2, 2M	504
Ionizing bar	217-223	Metal wriststrap	140, 142	PCB separator MAESTRO 3E	505
Ionizing gun	220-221	Meters and testers	192-194, 198-200, 384, 594, 608, 622	PCB separator MAESTRO 4S	506
Iron Man Plus	201	Metriso 3000	204-205, 207-208	PCB separator MAESTRO 5M	509-510
Isopropanol IPA	174	Metriso B530	206, 208	PCB separator MAESTRO 6	508
<b>J</b>		Metriso measuring kit	208	PCB separator replacement parts	506-507, 510
Jackets, winder	123-126	Micro diagonal cutting pliers	482-483	PCSA assembly frame	531
JALAS Professional footwear	38-43	Micro screwdriver	426	PE foam	294, 314
<b>K</b>		Microfiber cloth	162-163, 570	PEN-VAC handling systems	502
Key ring	172	Mini probe set	209	Pencil cup	181
Kit tweezers	408	Mini spiral cable	141	Pencil holder	181
KLT containers	299	MiniStrip	493	Perforated plate	252, 256, 258
Kraft diagonal cutting pliers	458-459, 480	Modul Cross	199	Permanent heel straps	95-98
<b>L</b>		Moisturizing lotion	140	Permanent monitoring	200-204
Label dispenser	189-190	Monitoring	200-204	Permanent sole grounders	98
Label remover	579	Monitoring and testing device for twin-conductor systems	200-204	Permanent toe straps	95-98
Labeling arrows	187	Monitoring wriststrap	200-204	Personnel grounding systems	140-145
Labels	184-187, 623	Mouse for PC	181	Personnel test station	192-197
Labels 'Lead-free'	187, 623	Mouse- Pad	181-182	PGT 120 Personal test station	195-197
Labels, rolls	184	Multi trolley	373-374	Phillips/Crosstip screwdriver	413-417, 421, 423-424, 426
		Multi-purpose container	164, 292	Pivoting document holder	183
		Multimeter	384		
		Multiple slip joint spanner	497-498		

Pivoting support arm	448
Plastic films, transparent	170-171
Plastic plates	170-171
PLCC extraction tool	501
Plier sets	468, 472, 476, 478, 480, 486, 492
Pliers - C.K series SensoPlus	464-467
Pliers - C.K.	463-470, 489
Pliers - Ecotronic	468-470
Pliers - EREM	483-487
Pliers - Erem Series 2400 MagicSense	484-486
Pliers - EREM series 500 / 600	483-484
Pliers - EREM series 700	486
Pliers - Erem SMD	486
Pliers - Ideal-tek	450-455
Pliers - Knipex	473-480, 489-492
Pliers - Knipex Series Prof	476-478
Pliers - Knipex series Standard	474-476
Pliers - Knipex series Super-Kniprs	473-474
Pliers - Knipex VDE	478-480
Pliers - Lindstrom	481-482
Pliers - Lindstrom series RX	481-482
Pliers - Piergiacomì	456-463, 488-489
Pliers - Piergiacomì series Evolution	456-459
Pliers - Piergiacomì series Micron	459
Pliers - WIHA	470-472
Pliers - Wiha Professional	471-472
Pliers accessories	492
Pliers wrench	497
Pliers, diagonal-cutter	450-487
Plug-in board / knobbed board	348-349
Plug-in divider	291-294, 316
Pneumatic cutter	499-500
Pneumatic cutter - Cutting heads	499-500
Pockets	495
Point-to-point resistance measurement	204, 206, 210-211
Pollutant extractor	627
Polo shirts	116-123
Polycarbonate plates, transparent	170-171
Polyester film, transparent	170-171
Polyimid-adhesive tape	395, 624-625
Polymide foil	624
Polyurethane casting compound	585
Positioning system	448
Potting compounds, silicone resin	585-586
Power supply units Kilews	443
Pozidriv screwdriver	413-414, 417, 421, 423-424, 426
Precision balances	523
Precision pliers	450-487
Precision screwdriver	413-429
Precision tweezers	385-394, 398-408
Preheating plates	609-610
PremiumSmooth	122-123
Printorama	354
Processing tools lcs, PLCCs	501
Professional footwear	19-43, 78-79
Professional footwear - ABEBA	26-37
Professional footwear - ATLAS	64-69
Professional footwear - BAAK	88-92
Professional footwear - BATA	86-88
Professional footwear - BIRKENSTOCK	24-25
Professional footwear - DPV komfort	19-23
Professional footwear - ELTEN	56-63
Professional footwear - JALAS	38-43
Professional footwear - SIEVI	44-49
Professional footwear - STEITZ SECURA	80-82
Professional footwear FTG	82-85
Professional footwear LUPOS	50-51
Profiles / Profile rails Workstation	251, 254, 258
Protective bag	184, 279-280
Protective coatings	578, 581-582
Protective lacquer remover	578
PU chair	229, 231
PU foam	131-134, 136-137
PUMA professional footwear	74-75
Punch	144
Puncher	180
<b>Q</b>	
Quickfill PCB magazine	358
<b>R</b>	
RAACO	339-340, 342
Rack bins	182
Rack systems	251-252, 374-376
Radio tweezers	388
RAKO Euro container	302-303
Ramp	152-153
Real-time surveillance	197, 204
Rectangular tins with lid	329
Recyclable material collector	182
Recycling cart	165-166, 182
Recycling cart, double capacity	166
Reel rack SMD	292, 345-348
REELO	345
Reflective vest	123-126
Remote controls for solder fume extraction	634
Removal tools	501
Resin remover	586
Rest rotatable	255
Rest tiltable	255
Rest swivelling	255
Ring electrode	209
Ring file	178
Risk analysis	10
Risk management ESD	
Riveting pliers for snaps	144
Rollboys	337
Rotating tower for small parts magazines	337-340
Round-nosed pliers	455, 467, 472, 474, 477, 479, 482, 486
Ruler	180
<b>S</b>	
Saddle stool	230
Safebuds	571
Safecloths	573
Safepads	573
SAFESHIELD	289-290
Safetiss	573
Safety boots	42, 66, 89-90, 92
Safety shoes	30-36, 38-43, 45-71, 75, 78-79, 82-92
Safety sneaker	68
Safewash	576
Safewips	573
Sandals	19-21, 24-25, 29, 44-45
Scalpels	493-494
Schuko dummy plug	143-144
Scissors	180, 463
Screen Clene	575
Screw locking varnish	579
Screw wrench	495
Screwdriver sets	414, 417-419, 421-422, 424-426
Screwdriver, Pozidriv	413-414, 417, 419-421, 423-424, 426
Screwdriver, slotted	413-421, 423-424, 426
Screwdriver, Torx	413-415, 417, 419-420, 422-426
Screwdrivers	413-429
Screwdrivers - blade sets	421
Screwdrivers - blades	418-421, 434-435
Screwdrivers - C.K.	413-416, 468
Screwdrivers - Piergiacomì	413
Screwdrivers - WERA	426-429
Screwdrivers - WIHA	417-425
Screwdrivers Phillips/Crosstip	413-417, 419-421, 423-424, 426
Screwdrivers Wiha Series System 4	418-419
Screwdrivers Wiha series System 6	420-421
Series Triton	413-414
Series Xonic	415-416
Service boxes	330
Service kit	145
Sheet protector	176-177
Shelf	251, 258, 371, 373
Shelf / Transport / Universal trolley accessories	371, 373-374
Shelf cabinet	264
Shelf coverings	149
Shelf trolley	358-374
Shelves	255, 258, 373-376
Shelves adjustable	255
Shelves extractable	255
Shielding bag	275-278, 280
Shielding bag, barrier	279-280
Shipping box, corrugated board	288-290
Shoe care product	94
Shoe tester	195
Shrink film/ stretch film	284
Sieve / Spoon reflector Leister	619
SIEVI professional footwear	44-49
Sign holder	191
Silicone resin casting compound	585-586
Silicone-free thermally conductive paste	583
Silver conductive paint	579
Slippers	19-25, 29, 44-45
Slotted screwdriver	413-417, 421, 423-424, 426
Small parts container	327-330, 342-343
Small parts magazines	337-340
Small vises	528
Smart Tweezers	216-217, 384
SMD drawer cabinets	331-333
SMD folding boxes	331-333
SMD reel rack	345-348, 363-364, 372
SMD small container / round tins	330-333
SMD tweezers	385-386, 389, 403-408, 412
SMP tweezers	385-386, 403-408, 412
Snap kit Universal	144
Socket wrench	415, 422-426
Socks ESD	93
Soder-Wick	621-622
Softshell jacket	123-126
SOLAMAT	98
Solder bars	636
Solder dispenser	622
Solder FELDER	636-638
Solder fume extraction	625-635
Solder fume extraction accessories	629
Solder fume extraction Easy-Click-50 extraction arms	630, 634
Solder fume extraction for soldering tips	628-629
Solder fume extraction MG - Filters/Nozzles/Funnels	632-633
Solder fume extraction series MG	632-633
Solder fume extraction/Volume extraction	629-635
Solder fume extractor LDA	625-627
Solder mask dots	624-625
Solder paste FELDER	639
Solder pastes	639
Solder resist mask	582, 623-624
Solder tip regeneration	621
Solder wire feeder	611
Soldering bath	610
Soldering fume absorber	625-635
Soldering iron	588, 603-608
Soldering iron FE avec extraction unit	608-609, 627-628
Soldering iron FE retrofit kits / accessories	609, 628
Soldering iron hot-air	607
Soldering iron set	603-608

# Subject index

Soldering iron set WMP/WMR	606-607	Support arm with positioning system	447-448	Thermo-formed insert ---> drawer cabinets	333-337
Soldering iron WP/WSP	605-606	Surface resistance meters	208-210	Thermoformed inserts	316-321
Soldering irons - accessories	609-610	Surveillance - Personal grounding	201-202	Tip cutting pliers	484-486
Soldering irons Weller	588, 603-608	Suspended document holder	183	Toe strap, women	95-98
Soldering irons WXP / WXDP / WXMP	603-605	Sweat jacket	116-121, 125	Tool sets	468, 486
Soldering station	588-599, 618-619	Sweatshirts	116-121, 125	Tools - others	493-498
Soldering station Supply unit	592-593, 596	Swing gate	198-199	Top Gun Ionizer	220
Soldering stations JBC	618-619	Swiss version available	142-143, 145	Torque electric screwdriver	436-446
Soldering stations JBC Compact Line	618	Swivel arm	252, 259, 448	Torque measuring devices	448-449
Soldering stations JBC Premium Line	619	Swivel castors	164-166, 377-381	Torque screwdriver	427, 432-435
Soldering stations WE	591	Swivel chairs / swivel stool	224-249	Torque screwdriver Wiha	432-435
Soldering stations WT	589-591	Swivel chairs bimos	234-245	Torque support	447-448
Soldering stations WX	592-594	Swivel chairs DPV-komfort	233	Torx screwdriver	413-415, 417, 422-426
Soldering stations WXSmart	588	Swivel chairs series BASIC	241-242	Transport bags	177
Soldering tip cleaner accessories	620	Swivel chairs series BUSINESS-CHAIR	245	Transport pallets	296-297
Soldering tips - Solder fume extraction	628-629	Swivel chairs series CLASSIC	226-228	Transport roller, transport dolly	297, 358-362, 365
Soldering tips ET for LR-21 / FE50	616	Swivel chairs series Cleanroom Basic ESD	243-244	Transport trolleys	297, 348, 358-374
Soldering tips LT for WP80 / WSP80 / FE75	615-616	Swivel chairs Series COMFORT-CHAIR	246	Tray ---> Tray	293
Soldering tips RT for WXMP / WMRP	613	Swivel chairs series COMFORT-PLUS-CHAIR	247	Trolley	348, 372
Soldering tips RTW for WXMT / WMRT	613	Swivel chairs series ECONOMY CHAIR PISA II	247	Trolleys	164
Soldering tips Weller	611-613, 615-616	Swivel chairs series ECONOMY PLUS CHAIR	248	Trousers	109, 113-114
Soldering tips XNT for WP 65	611-612	Swivel chairs series ERGO CHAIR	246	Tube system, extraction	635
Soldering tips XNT for WTP 90	611	Swivel chairs series INDUSTRIAL PU-CHAIR	248	Tubular films	274-275, 281
Soldering tips XNT for WXP 65	611-612	Swivel chairs series NEON	237-238	Turnstile	192-194, 198-199
Soldering tips XT for WP 120 / WXP 120	612	Swivel chairs series NEXXIT	235-236	Turnstiles	192-194, 198-200
Soldering tips XTH for WP 200 / WXP 200	613	Swivel chairs series SINTEC	238-240	Turntables	531
Soldering tool	608, 613, 622	Swivel chairs Series Unitec	240-241	Tweezers	216-217, 384-412
Soldering tweezers WXMT	604	Swivel chairs Treston	233-234	Tweezers - C.K.	388-392, 468
Soldering wire	637-638	Swivel stool	228-229, 244-245	Tweezers - EREM	405-408, 486
Soldering/Desoldering iron accessories	594, 608-610, 620-623	SX 45 accessories	554	Tweezers - Ideal-tek	393-405
Soldering/Desoldering nozzles Leister	619	SX 45 stereo microscope	553-554	Tweezers - Knipex	386-388, 394
Soldering / desoldering devices -hot air	600-601, 619	System components series Concept	252-256	Tweezers - Piergiacomi	409-412
Sole cleaner, mechanic	98	System components series TP / TPH	251-252	Tweezers - Wiha	385-386
Sole cleaning	98-99	System components series WB	257-259	Two-sided electrode	210
Solvent resistant	174	System workstation lamps	544	Tyvek	128-129
Solvents	174, 586	<b>T</b>			
Spannfix	529-530	T-shirt	116-123	Ultrasolve	578
Special footwear	268	Table coverings	146-148	Univeral trolley	371-373
Special pliers, bending pliers	461-462, 487	Table frames	253	Universal cabinet	264
Spirit level	496	Table mats	147-148	Universal meter	212
Spring binder	176	Table mats - grounding	142-144	Universal tape dispenser	189-190
Stackable hinged-lid tins	329	Table sets, table-floor sets	145-146	Upright tube modules / tubes	254
Stacking trays	182	Table stand	183		
Standing aids / sit-stand chair	230-231, 244-245, 249	Table tops	149, 253	<b>V</b>	
Stapler	180	Table-top model	217	Vacuum cleaner	165-169
Steel sheet box cart	164, 182	Tables	251-253, 257-258	Vacuum cleaner accessories	165-169
STEITZ SECURA Professional workwear	80-82	Tacky mats / foils	99, 269	Vacuum machine	285-287
Stencil cleaner / wipes	578	TAMETO workstation lights	544	Vacuum pipette accessories	502
Stereo inspection systems	551, 553-557, 559	TANEO	541	Vacuum pipette Pen-Vac	502
Stool	228-229, 244-245	Tank top	116	Vacuum pipette Vampire	501
Storage boxes, part bins	342-344	Tape dispenser	189-190	Vacuum pipette VVP	599
Storage carts for SMD reels	348, 363-364, 372	Tape measures	496	VDE screwdriver	421-422, 433-434
Storage trolley	366, 369-370	Tarifold document holding system	183	VE Cam	562-563
Strap ---> wriststraps	140	Technician's case	495	Velcro® fastener	296
Strapping band	296	Tek-Scope inspection system	565	Veribox	207
Stretch film	284	Telescope mirrors	495-496	Vests	123-126
Stripping pliers, multifunctional stripper	489-490	Telescopic torque	447	Viasit swivel chairs	232-233
Stripping tool	487-493	Temperature measurements	205, 211, 594, 608, 622	Vises	528-531
Suction / Desoldering nozzles	617	TenSION Test pin	222	Vises - Accessories	530
Suction nozzles DSX80 / DSXV80	617	Terminal block	143	Vision inspection systems	554-566
Suction nozzles Weller	617	Test pin	222	Voltage measurement ESD events	212
Suction nozzles WXDP120 DSX120	617	Test station	197	Voltage potential	214
Suitable for machines	214, 217	Testing device	195	Voltmeter electrostatic	164
Suitcase	168, 206, 214-215, 301-302, 322, 325, 330	Textil wriststrap	140-141		
Support arm	447-448	Thermally conductive adhesive	583-584	<b>W</b>	
		Thermally conductive paste	583-584	Wafer tweezers	396
		Thermally conductive products	583-584	Walking - Test kit	212, 215-216
		Thermally conductive rubber	583-584	Wall bracket	183, 195-196
		Thermo-Cool	120-121	Warning signs	184-186
				Waste bag holder	164
				Waste baskets	163-164
				Waste containers	163-167, 182
				Waste wagon	164-166, 182
				Water pump pliers	497-498
				WAVE magnifier lamp	546
				Weak point analysis	10

Wedge heel	19-20
Welding wire	155
Wez Euro container	300-301, 316
WEZRack	352-354
Wheels / castors	164, 377-381
Winter clothes	123-126
Winter jackets	123-126
Wipes	162, 570
Wips	573
Wire end ferrule pliers	490, 492
Work coat WhiteLine plus	101-103
Work coats	101-112, 114
Work shoes	19-43
Workstation accessories	233
Workstation lamps DAYLIGHT	542
Workstation lamps Luxo	542
Workstation lamps Waldmann	541, 544
Workstation lights	541-544
Workstation monitor tester	201
Workstation Series Concept	252-255
Workstation Series TP / TPH	251-252
Workstation series TP/TPH	145
Workstation series WB	257-259
Workstation sets	145-146
Workstation swivel chairs	224-249
Workstations	233
Workstations Treston	233-234, 251-253, 257-259
Workwear	100-139
Workwear GreyLine 180	113
Wrist straps, plastic	140-141
Wriststrap monitoring	200-204
Wriststrap testers	195-197
Wriststraps	140, 145
Wriststraps, metal	140, 142
Wriststraps, textile	140-141
WS Aware workstation monitor	200
WXSmart Soldering stations	588
<b>Y</b>	
Yellow bin	164, 182
<b>Z</b>	
Zero Smog	629-632
Zero Smog - Filter/nozzles/funnels	629-632



Cleanroom ..... 268–269  
ESD Footwear ..... 26–37, 96



Cleaning ..... 571, 573, 575



ESD Footwear ..... 76–77



ESD Footwear ..... 64–69



ESD Footwear ..... 88–92



ESD Footwear ..... 94



ESD Footwear ..... 86–87, 93



Mounting accessories ..... 528–531



Cleanroom ..... 270–272  
Work swivel chairs ..... 234–245, 249



ESD Footwear ..... 24–25



ESD Storage and transport ..... 380–381



ESD Storage and transport ..... 350–352, 356–357  
PCB processing ..... 504–511



Chemistry ..... 582  
Cleaning ..... 577–578  
Covering material ..... 624  
Solder metals / pastes ..... 640–642  
Soldering accessories ..... 621–622



Other tools ..... 495–496  
Pliers ..... 464–470  
Precision tweezers ..... 388–392  
Processing tools ..... 501  
Screwdrivers ..... 414–416  
Soldering accessories ..... 622  
Stripping / crimping ..... 489



Workstation lighting ..... 541–542, 547–548



Electric screwdrivers ..... 445–446



Measurement and tests ..... 204, 215



Cleaning ..... 569  
Cleanroom ..... 267  
ESD Footwear ..... 19–23, 95–98  
ESD Packaging ..... 275–276, 279, 282, 285  
ESD Protection ..... 142–144, 161, 164  
ESD Services .....  
ESD Storage and transport ..... 308–315, 345–346, 358–364, 375  
Measurement and tests ..... 192–194  
Trainings and workshops ..... 12–15  
Work swivel chairs ..... 226–232, 249  
Workwear ..... 101–111, 113, 116–127, 130–135



Chemistry ..... 579–586  
Cleaning ..... 573–574, 576–578  
Covering material ..... 623–624  
Solder metals / pastes ..... 640–641



ESD Footwear ..... 56–63, 93



Pliers ..... 483–487  
Pneumatic cutter ..... 499  
Precision tweezers ..... 405–408



ESD Protection ..... 156–158



Optical inspection systems ..... 551, 566–568  
Workstation lighting ..... 550



Solder metals / pastes ..... 636–639  
Soldering accessories ..... 621–622



ESD Protection ..... 164  
ESD Storage and transport ..... 365–370



Dispensing equipment ..... 536–538



ESD Footwear ..... 83–85



Cleaning ..... 572  
Cleanroom ..... 265  
Optical inspection systems ..... 565  
Other tools ..... 493–494  
Pliers ..... 451–455  
Precision tweezers ..... 393–405  
Workstation lighting ..... 545



ESD Footwear ..... 38–43, 93



Soldering technology JBC ..... 618–619



Dispensing equipment ..... 539–540



Counting devices / balances ..... 523–524  
Optical inspection systems ..... 551–552



Electric screwdrivers ..... 436–444  
Screw separating units ..... 449  
Torque measurement instruments ..... 449



Other tools ..... 497–498  
Pliers ..... 473–480  
Precision tweezers ..... 386–388  
Stripping / crimping ..... 489–492



ESD Packaging ..... 288–289, 291–294



Hot-air devices Leister ..... 619

## LEMAITRE

ESD Footwear ..... 78–79



ESD Protection ..... 182  
ESD Storage and transport ..... 316–321, 323–337, 347



Pliers ..... 481–482



ESD Footwear ..... 50–51



Workstation lighting ..... 542



ESD Protection ..... 150



Component Processing ..... 514–515, 518, 520–521



PCB processing ..... 512  
Pliers ..... 456–463  
Pneumatic cutter ..... 500  
Precision tweezers ..... 409–412  
Screwdrivers ..... 413  
Soldering accessories ..... 623  
Stripping / crimping ..... 488



ESD Footwear ..... 74–75



ESD Storage and transport ..... 322, 330, 339–340, 342



Measurement and tests ..... 200–202



ESD Footwear ..... 44–49, 93



Measurement and tests ..... 213, 215, 217–220, 222



ESD Footwear ..... 81–82



Workwear ..... 135–139



ESD Storage and transport ..... 337–339, 341, 343, 371–374  
ESD Workplace systems ..... 251–264  
Work swivel chairs ..... 233–234  
Workstation lighting ..... 543–544



Workwear ..... 128–129



ESD Footwear ..... 52–55



ESD Storage and transport ..... 302–303, 322, 343, 352



ESD Footwear ..... 70–74  
Workwear ..... 114, 127



Work swivel chairs ..... 233



Optical inspection systems ..... 553–557, 559, 561, 563–564, 566



Workstation lighting ..... 545–547



Workstation lighting ..... 541, 544, 549–550



ESD Storage and transport ..... 299



Covering material ..... 623  
Solder fume extraction ..... 627–635  
Solder metals / pastes ..... 639  
Soldering accessories ..... 620–622  
Soldering technology Weller ..... 588–617



Screwdrivers ..... 426–429



ESD Storage and transport ..... 300–301, 316, 322, 329, 352–354



Bit inserts ..... 429–432  
Other tools ..... 496–497  
Pliers ..... 471–472  
Precision tweezers ..... 385–386  
Screwdrivers ..... 417–425  
Torque screwdrivers ..... 432–435



ESD Footwear ..... 94

## EPA requirements according to DIN EN 61340-5-1

ESD control element	Product qualification <sup>a</sup>		Verification of the observance <sup>b</sup>	
	Test method	Thresholds <sup>c</sup>	Based on test method	Thresholds <sup>c</sup>
Work surfaces, storage racks and transport trolleys <sup>d</sup>	IEC 61340-2-3	$R_{gp} < 1 \times 10^9 \Omega$ $R_{pp} < 1 \times 10^9 \Omega$	IEC 61340-2-3	$R_g < 1 \times 10^9 \Omega$
Connection point of the wrist strap				$R_g < 5 \times 10^6 \Omega$
Floor covering	IEC 61340-4-1 <sup>d,e</sup>	$R_{gp} < 1 \times 10^9 \Omega$	IEC 61340-4-1	$R_g < 1 \times 10^9 \Omega$
Ionization	IEC 61340-4-7	Decay (1000 V to 100 V and -1000 V to -100 V) < 20 s or offset voltage defined by user < $\pm 35$ V	IEC 61340-4-7	Decay (1000 V to 100 V and -1000 V to -100 V) < 20 s or offset voltage defined by user < $\pm 35$ V
Seats	IEC 61340-2-3 (Measurement of the resistance to potential grounding point)	$R_{gp} < 1 \times 10^9 \Omega$	IEC 61340-2-3 (Measurement of the resistance against ground)	$R_{pp} < 1 \times 10^{11} \Omega$ or threshold defined by user
EPA clothing	IEC 61340-4-9 or threshold defined by user	$R_{pp} < 1 \times 10^{11} \Omega$ or threshold defined by user	IEC 61340-4-9 or method defined by user	$R_{pp} < 1 \times 10^{11} \Omega$ or threshold defined by user
EPA clothing with grounding properties	IEC 61340-4-9	$R_{gp} < 1 \times 10^9 \Omega$	IEC 61340-4-9	$R_{gp} < 1 \times 10^9 \Omega$

a	For the product qualification the environmental conditions for the verification should be $(12 \pm 3)$ % relative humidity and $(23 \pm 2)$ °C. If not defined in the indicated IEC standards, the minimum period for the conditioning to the ambient temperature for the product qualification should be 48 h.
b	The test methods in the column for the verification of the observance only refer to the basic test method. It is not expected that the test methods are completely followed.
c	Symbols used in this chart: $R_g$ refers to the resistance to ground, $R_{pp}$ refers to the resistance to the potential grounding point $R_{pp}$ refers to the point-to-point resistance
d	The maximum permissible test voltage for the measuring of ESD floorings which should be used for an ESD program complying with this standard is 100 V.
e	If a flooring is used to ground the personnel handling ESOS, reference is made to the system requirements according to chart 2.
f	In situations where damage caused by the Charged Device Model (CMD) has to be taken into account a lower threshold of the point-to-point resistance $R_{p-p}$ von $1 \times 10^4 \Omega$ is recommended.
g	Work surfaces are defined as any surface where an ESD-sensitive component is placed down.

## for personnel grounding according to DIN EN 61340-5-1

Technical requirements	ESD control element	Product qualification <sup>a</sup>		Verification of the observance	
		Test method	Thresholds <sup>b</sup>	Based on test method	Thresholds <sup>b</sup>
Personnel grounding	Wrist straps (straps and grounding cable)	IEC 61340-4-6	$R < 5 \times 10^6 \Omega$ or threshold defined by user	See wrist strap system	
	Resistance of the wrist strap	IEC 61340-4-6			
		Inside	$\leq 1 \times 10^8 \Omega$	Not applicable	
		Outside	$> 1 \times 10^7 \Omega$	Not applicable	
	Wrist strap system <sup>a</sup>	Not applicable		IEC 61340-4-6 Testing according to electrical contact resistance of the wrist strap	$R < 3,5 \times 10^7 \Omega$
	Footwear	IEC 61340-4-3 <sup>c</sup>	$R \leq 1 \times 10^9 \Omega$	See System person/footwear	
	System person / footwear / floor	IEC 61340-4-5	$R_g < 1 \times 10^9 \Omega$ and absolute value of the body voltage < 100 V (average of the 5 highest peaks)	IEC 61340-4-5	$R_g < 1,0 \times 10^9 \Omega^{d,f}$
System person / footwear	Not applicable		See annex	$R_{gp} < 1,0 \times 10^9 \Omega$	

a	In situations where EPA clothing (according to IEC 61340-4-9) is used as part of the wrist strap grounding path, the resistance of the entire system including person, protective clothing and grounding cable should be < $3,5 \times 10^7 \Omega$
b	Symbols used in this chart: $R_g$ refers to the resistance to ground, $R_{gp}$ refers to the resistance to the potential grounding point, $R_{pp}$ refers to the point-to-point resistance.
c	For the product qualification of footwear according to IEC 61340-4-3 the environmental conditions for the verification should be $(12 \pm 3)$ % relative humidity and $(23 \pm 2)$ °C.
d	A periodic test of the generated body voltage should be made to verify that the voltage is < 100 V.
e	The resistance threshold applies to successive measurements of each individual foot, not both feet at the same time.
f	The required threshold of < $1,0 \times 10^9 \Omega$ is the highest admissible value. Based on the measured resistance values for the product qualification of the system footwear and floor assuring a maximal generated body voltage of 100 V, the user should define an upper threshold and use these resistance values for the verification of the observance.

## ESD Protective measures

Wherever people move or material is moved, electrostatic charge is generated. Electronic modules with increasingly smaller structures may be damaged or destroyed by electrostatic discharge. As it is not possible to feel electrostatic charge or to measure it with a multimeter, it is not easy to recognize the risks for components and modules.

Example for the effects of electrostatic discharge:

- 3000 Volt Persons can feel discharge (e.g. on door handles)
- 100 Volt may be sufficient to delete information on a magnetic data medium
- 50 Volt Sparks may ignite explosive gases
- 30 Volt may damage or destroy electronic components
- 20 Volt may damage LEDs and lead to their failure after some time.
- 5 Volt are sufficient to damage reader heads of hard disks during fabrication

The components damaged by electrostatic discharge may lead to a failure or a shorter service life of the concerned modules.

In order to prevent electrostatic discharge of persons and material, ESD protective measures are required. The target is to avoid discharge and to discharge slowly charged material by means of grounding.

Areas which serve to allow the safe handling of electronic modules are called ESD protection zones or EPA (Electrostatic Protected Area). These areas are especially marked.

Independently of the equipment of the ESD protection zone, additional measures have to be observed:

- ESDS may only be processed in electrostatic discharge protected areas (EPA)
- Ensure a personnel grounding with wrist straps and footwear grounding
- Wear dissipative clothes covering other garments
- Avoid electrostatically chargeable materials like conventional PE, PVC, polystyrene, etc.
- Avoid electrostatic fields > 5000 V/m
- Only use marked ESD packaging and transport containers
- Deploy only ESD trained personal in EPA protection zones

### Example of an ESD protection zone EPA (Electrostatic protected area)



- |                                 |                                    |                            |                         |
|---------------------------------|------------------------------------|----------------------------|-------------------------|
| 1. Floor marking                | 7. Ionizing equipment              | 13. Personnel test station | 19. Heel straps / shoes |
| 2. Floor coverings              | 8. Cleaner for floor covering      | 14. Warning signs          | 20. Clothes             |
| 3. Wastepaper basket            | 9. Cleaner for table covering      | 15. Warning labels         | 21. Film bags           |
| 4. Test and measuring equipment | 10. Shelf coverings                | 16. Permanent monitoring   | 22. Grounding cables    |
| 5. Table coverings              | 11. Ring folder / document holders | 17. Shipping boxes         | 23. Chairs              |
| 6. Grounding boxes              | 12. Containers                     | 18. Wrist straps           | 24. PCB holders         |

## Creating an ESD control program

For the implementation and application as well as the verification of ESD protective measures, it is essential and necessary to create an ESD control program in compliance with the standard DIN EN 61340-5-1. The ESD control program has to fulfill the individual requirements of your processes and products.

The ESD control program documents your measures and assures their implementation and verification.

## ESD auditing

An ESD auditing is made on the basis of your ESD control program. The auditing verifies the implementation and compliance of ESD control program, documents deviations and attests the compliance in an audit report.

<b>ESD (Electrostatic discharge)</b>	Transfer of charge between bodies with different electrostatic potentials
<b>ESDS (Electrostatic Sensitive Devices)</b>	Devices sensitive to electrostatic discharge
<b>EPA (Electrostatic Protected Area)</b>	ESD protected area to handle with electrostatically sensitive components

These symbols show that it is about ESD protective equipment for the use in the handling of ESDS

	<b>C (conductive)</b>	Electrostatically conductive Packaging/materials with a surface resistance of $< 1 \times 10^4 \Omega$
	<b>D (dissipative)</b>	Electrostatically dissipative Packaging/materials with a surface resistance between $> 1 \times 10^4 \Omega$ and $< 1 \times 10^{11} \Omega$
	<b>S (shielding)</b>	Shielding Shielding effect against electrostatic discharge absorbing the affecting energy and dissipative



### ESD SUSCEPTIBLE

The symbol has been used since 1984. It marks electrostatically sensitive components and devices.



### ESD PROTECTIVE

In 1993, the symbol was introduced in addition to the ESD susceptible symbol. It is used for labelling ESD protecting products like antistatic mats, trolleys, clothes, protective covers, boxes, fabrics etc.

It is recommended to act in accordance with the following international standards:

<b>DIN EN 61340-5-1</b>	<b>Electrostatic - Part 5-1:</b> Protection of electronic devices from electrostatic phenomena - General requirements
<b>DIN EN 61340-5-2</b>	<b>Electrostatic - Part 5-2:</b> Protection of electronic devices from electrostatic phenomena - User guide
<b>DIN EN 61340-5-3</b>	<b>Electrostatic - Part 5-3:</b> Protection of electronic devices from electrostatic phenomena - Properties and requirements for the classification of packaging used for devices sensitive to electrostatic discharge
<b>DIN EN 61340-4-1 Ed. 2.0</b>	<b>Electrostatic Part 4-1:</b> Standard test method for specific applications - Electrostatic resistance of floor coverings and installed floors
<b>DIN EN 61340-4-3</b>	<b>Electrostatic Part 4-3:</b> Standard test method for specific applications – Footwear
<b>DIN EN 61340-4-5</b>	<b>Electrostatic Part 4-5:</b> Standard test method for specific applications - Methods of characterizing the electrostatic protection of footwear and flooring in combination with a person
<b>DIN EN 61340-2-1</b>	<b>Electrostatic Part 2-1:</b> Measurement methods - ability of materials and products to dissipate electrostatic charge
<b>DIN EN 61340-2-3</b>	<b>Electrostatic Teil 2-3:</b> Methods of test for determining the resistance and resistivity of solid planar materials used to avoid electrostatic charge accumulation
<b>ANSI/ESD S20.20-2007</b>	ESD association standard for the Development of an Electrostatic Discharge Control Program for - Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices)

Products in this catalog marked with the ESD symbol comply with the technical specifications according to DIN EN 61340-5-1 (2017).



The measures for the ESD protection are defined in the ESD control program. Every company has different processes and will therefore need a different mixture of individual protective measures for an optimal ESD control program. It is essential to choose these measures depending on the technical requirements and to document them accurately in a ESD control program plan so that all persons concerned know the program requirements.

### Requirements for an ESD control program:

The organisation has to create, document, introduce and maintain the program in accordance with the standard DIN EN 61340-5-1 and to verify its compliance.

#### ESD Coordinator

The organization must appoint one person having to fulfill the responsibility of this requirement. On this occasion the following aspects must be respected:

- The appointment is made by the management
- The ESD coordinator is responsible for the implementation of all measures
- Necessary ESD protective measures are to be determined in appropriate work instructions
- The implementation in every single area must be controlled
- The necessary comprehension is a precondition
- An internal auditing must be arranged and supervised
- The properties of newly purchased ESD materials have to be verified and possibly determined

#### ESD control program plan:

The organization must prepare an ESD control program plan that addresses all the following requirements to the program. These requirements concern:

- training
- product qualification
- verification of the observance
- grounding/connection systems
- personnel grounding
- EPA requirements
- packaging systems
- labelling

The plan is the basic document for the introduction and verification of the ESD control program. The objective is a completely introduced and integrated program fulfilling the requirements of the internal quality system. The plan must apply for all aspects of the work of the organization.

#### Personnel grounding

The complete personnel must be grounded according to the requirements below or connected to the potential equalization system if ESDs are handled. Sitting employees in an EPA have to be grounded via wrist straps.

When working in standing position the personnel can be grounded via wrist straps or the system floor/footwear.

In case a system footwear/floor is used, the personal has to wear ESD shoes on both feet and the following conditions have to be fulfilled:

- The total resistance of the system (from the person via footwear and floor to the device ground) is less than  $1.0 \times 10^9$  Ohm
- The maximal generated body voltage is  $< 100$  V

#### ESD protected area (EPA)

The handling of ESDs without covering or packaging protecting from ESD has to take place in an EPA. The boundaries of the EPA have to be indicated clearly as boundaries (e.g. warning signs indicating the existence of the EPA have to be put up and have to be clearly visible for the employees before entering the EPA).

Note

An EPA may be a building, a whole room or an individual workstation.

The access to the EPA must be limited to the personnel having completed an appropriate ESD training. Untrained individuals have to be accompanied by trained employees while being in an EPA.

#### EPA requirements

ESD control element	Verification of the observance <sup>f</sup>	
	Based on test method	Thresholds <sup>b</sup>
Work surfaces, storage racks and transport trolleys <sup>g</sup>	IEC 61340-2-3	$R_g < 1 \times 10^9 \Omega$
Connection point of the wrist strap		$R_g < 5 \times 10^6 \Omega$
Floor covering	IEC 61340-4-1	$R_g < 1 \times 10^9 \Omega$
Ionization	IEC 61340-4-7	Decay (1000 V to 100 V and -1000 V to -100 V) $< 20$ s or offset voltage defined by user $< \pm 35$ V
Seats	IEC 61340-2-3 (measurement of the resistance against ground)	$R_g < 1 \times 10^9 \Omega$
EPA clothing	IEC 61340-4-9 or method defined by user	$R_{p-p} < 1 \times 10^{11} \Omega$ or threshold defined by user
EPA clothing with grounding properties	IEC 61340-4-9	$R_{gp} < 1 \times 10^9 \Omega$

#### Requirements for personnel grounding

Technical requirements	ESD control element	Verification of the observance	
		Test method	Thresholds <sup>b</sup>
Personnel grounding	Wrist strap system <sup>a</sup>	IEC 61340-4-6 Testing according to electrical contact resistance of the wrist strap	$R < 3.5 \times 10^7 \Omega$
	System person / footwear / floor	IEC 61340-4-5	$R_g < 1.0 \times 10^9 \Omega^{c,e}$
	System person / footwear	see annex <sup>d</sup>	$R_{gp} < 1.0 \times 10^9 \Omega$

Footnote:

a)	In situations where EPA clothing (according to IEC 61340-4-9) is used as part of the wrist strap grounding path, the resistance of the entire system including person, protective clothing and grounding cable should be $< 3.5 \times 10^7 \Omega$ .
b)	Symbols used in this chart: $R_g$ refers to the resistance to ground, $R_{gp}$ refers to the resistance to the potential grounding point, $R_{p-p}$ refers to the point-to-point resistance.
c)	A periodic test of the generated body voltage should be made to verify that the voltage is $< 100$ V.
d)	The resistance threshold applies to successive measurements of each individual foot, not both feet at the same time.
e)	The required threshold of $< 1.0 \times 10^9 \Omega$ is the highest admissible value. Based on the measured resistance values for the product qualification of the system footwear and floor assuring a maximal generated body voltage of 100 V, the user should define an upper threshold and use these resistance values for the verification of the observance.
f)	The test methods in the column for the verification of the observance only refer to the basic test method. It is not expected that the test methods are completely followed.
g)	Work surfaces are defined as any surface where an ESD-sensitive component is placed down.

## Labeling of professional footwear

Basic requirements (extract)	EN ISO 20345	EN ISO 20347
Slip resistance (SRA, SRB or SRC) Energy absorption of the toe cap	SB 200 joule	OB -

Additional requirements	EN ISO 20345	EN ISO 20347
Closed heel Antistatics Energy absorption in the heel	S1	01
Like S1 Plus water penetration and absorption	S2	02
Like S2 Plus penetration protection and profiled outsole	S3	03

DIN EN ISO 20345:2011 valid since December 2011

DIN EN ISO 20347:2012 valid since February 2012

Requirements (Extract of the standard)	Symbols	SB	S1	S2	S3	OB	01	02	03
---	---------	----	----	----	----	----	----	----	----

Basic requirements									
Shoes completely assembled									
Toe protection (200 joule)		●	●	●	●				
Slip resistance (SRA, SRB or SRC)		●	●	●	●	●	●	●	●

Additional requirements									
Shoes completely assembled									
Penetration protection	P	○	○		●	○	○		●
Antistatic shoes	A	○	●	●	●	●	●	●	●
Energy absorption capacity in the heel	E	○	●	●	●	●	●	●	●
Heat insulation of the sole complex	HI	○	○	○	○	○	○	○	○
Cold insulation of the sole complex	CI	○	○	○	○	○	○	○	○

Shoe upper material									
Water penetration and absorption	WRU	○	○	○	○	○	○	○	○

Outsole									
Behavior towards contact heat	HRO	○	○	○	○	○	○	○	○
Fuel resistance	FO	●	●	●	●	○	○	○	○

● fulfills the prescribed requirements

○ requirement can be fulfilled, but is not prescribed



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