

MODULAR ELECTRONIC WORKSTATIONS

137 to 142



MODULAR WORKSTATION FOR ELECTRONICS ENGINEERS

Combinable modules, that meet all technological requirements with numerous practical features!

Experience, know-how, competence:

For over 25 years Knürr has been a recognised specialist for electronic workstations for applications in the electronics industry, automotive engineering, medical technology, and research and development.

Configurations for individual requirements:

- Test and service
- Assembly and production workstation
- Training and instruction workstation
- Development workstation

The Knürr Electronic Workstation is a modular workstation system, that grows with changing requirements:

A continuous evolution of the technology to be integrated requires a high degree of flexibility with workstation superstructures.

From the basic version with integrated horizontal cable duct through to a high-end solution with additional electronic mini distributor rack and/or Knürr Rapomos® equipment carriers as workstation components.

The mature Knürr workstation systems, Dacobas® and Elicon®, can fully integrate their strengths here, which have been continuously further developed over many years.

In addition to its tried, tested and proven modularity, the Electronic Workstation also consistently meets workstation-specific ergonomic requirements.

Knürr Dacobas®

Standard desk with:

- Integrated, horizontal cable duct (accessible from above)

Additionally with:

- Top-mount extrusions
- Electronics mini distributor rack

Additionally with:

- Knürr Rapomos® Equipment Carrier
- Underfit lamp

Additionally with:

- Pedestal drawer unit



Knürr Elicon®



Knürr Dacobas® - Configuration



EAP20060

ESD workstations

	Knürr ESD workstation	10 ⁶ - 10 ⁸ Ohm
	Safety range for personnel 50 kOhm - infinite	
Safety range: MOS components		
Danger area for personnel	Safety area for personnel and MOS components	Danger area for MOS components
10 ³ Ohm	10 ⁵ Ohm	10 ⁹ Ohm

- When computers go crazy, alarm systems no longer function or cash registers simply refuse to work, the gremlin at work is quite often easy enough to identify: Static Electricity.

- The constant development of highly integrated circuits results in increasingly more efficient (but also increasingly smaller!) equipment. Therefore it is all the more important to determine the growing sensitivity of **electrostatic sensitive devices (ESD)**. Even voltages of just 100 – 200 volt are enough to damage microprocessors or MOSFETs.

- High voltages are often triggered by modern plastics, artificial fibres in clothing and carpets, and by low humidity in centrally-heated rooms. Depending on the shoe material, speed and humidity, a person walking across a carpet can be loaded with between 2000 and 20,000 volts.

- There is no doubt about it! The safety of electronic components (not to mention the well-being of the operating personnel) can no longer be guaranteed under these conditions.

- In order to safely neutralize static charges at non-hazardous currents, the electric resistance between the respective component and ground must be between 1MΩ and 1GΩ. Worktops made from electrically conductive particle board and special conductive HPL-surfaces offer this defined conductivity. Further we recommend to always connect work-places via a 1MΩ Safety Resistor to building-earth in order to avoid possibly inaccurate earthing resistances on building level.

- With the **ESD workstations from Knürr**, the perfect operational workstation equipment is now available.

- Site insulation in accordance with VDE 0100, § 24 and DIN 57 680 part 2.
- Protection of electronic components against static electricity (EN 61340)



ELI00473

The Basics

- Generation of electrostatic charges cannot always be prevented. Therefore the discharge must be specifically "influenced". Influenced means: All discharge processes must be run controlled and calculable. The calculable discharge process is described by the following exponential function:

$$U(t) = U_0 \cdot e^{-t/RC}$$

U₀ = Initial voltage of the capacitor

R = Leakage resistance

C = Capacity

- By activating the equation towards R, an equation is generated with which an ideal leakage resistance can be ascertained.

$$R_0 = \frac{t_{zul}}{C \cdot \ln(U_0/U_{zul})}$$

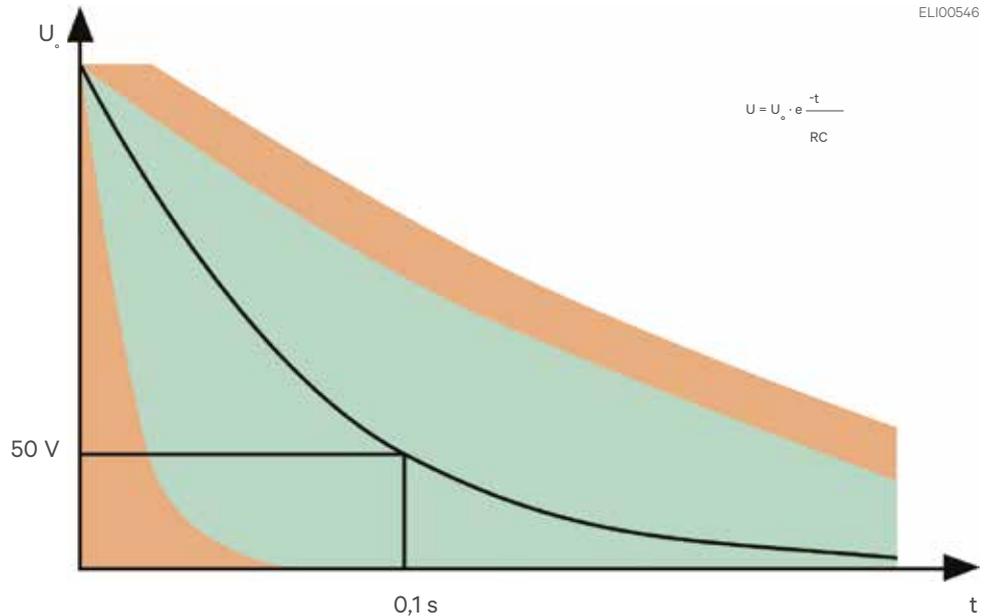
- The optimal discharge curve is consequently achieved. Assuming that the voltage (U₀) must be reduced within 0.1 sec (t_{zul}) to 50 V (U_{zul}) so that the electrostatic endangered components are not under high voltage for too long, the leakage resistance therefore acts as the regulator for a controlled discharge.

- Of course, for the safety of the endangered components it is also helpful if charges can be prevented before they are generated by equalising the different potentials. Conductive work and unit surfaces, plastic parts made of conductive materials, the connection of all parts with one another and with the ESD body are all required for this purpose.



*Electrostatic discharge

Discharge curve of electrostatic charges



- Easily accessible connections for ESD potential equalization, e.g. for measuring and soldering equipment must be available at each workstation. A cable is provided for the safe connection between workstation and ESD potential equalization.
- Easy release connection points for wristbands and other potential equalization conductors are also provided.

- Also included in safeguarding equipment are drawers and storage spaces inside and outside which are made of conductive material for further preventing charges from building up.
- With Knürr ESD workstations, all the necessary requirements are satisfied. For this very reason, both the complete workstation itself and work pieces, tools and operating personnel are all on an equipotential line. If potential differences occur as a result of rubbing or for whatever other reason, safe charge equalization or charge dissipation via earth is implemented immediately.

• Diverse areas of application

- Highly sensitive components do not require just direct protection at electronic workstations; the safety equipping of all other work areas is just as important in this respect. They must also be equipped with conductive desks, chairs, racks, transport trolleys and containers.



If you follow the path of electrostatic endangered components via transport – laboratory – test area – production

- goods output control – packaging through to dispatch, it soon becomes evident that ESD room equipment and ESD accessories have become an indispensable necessity.
- Each of these stations is a part of the quality chain, and as with every chain, a single weak link nullifies the capacities of the other segments.

• Knürr ESD workstations provide a comprehensive safety solution to ensure efficiency

• Conductive materials

- Last, and certainly by no means least, the safety equipping of Knürr ESD workstations has been made possible with the advances in the development of conductive materials (plastics, laminates, paints). Thanks to these materials we can now successfully unite both **ergonomic requirements** and **modern design** and **safety** in one system.

Workstations, integral planning

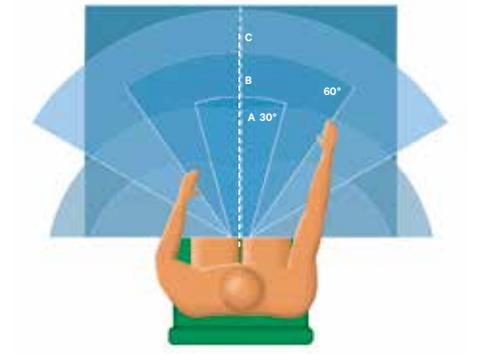
ERGONOMICS

The demands made on modern, ergonomic workstation designs are forever increasing. This is because the design of the working environment, among other factors of course, influences the worker's performance and motivation.

We at Knürr therefore concentrate on occupational medicine know-how in the development of our products. In doing so, Knürr makes a significant positive contribution to the dynamics, efficiency and creativity in the

work process. Scientific studies show that ergonomically well-designed workstations reduce the number of days people cannot work or are ill.

The in-depth expertise of our qualified workstation experts guarantees that every single aspect of ergonomics and modern room planning is covered.



A: Optimal field of vision
B: Maximum field of vision without moving your head
C: Enlarged field of vision including proper head movement

ELI20022

- 1 Tension in the head and neck area is countered by the ergonomic arrangement of the equipment and modules. Flexible height setting and variable tilt setting of +/- 5°.

Free desk top areas, as electronic components and equipment are integrated into the superstructures.



1

LUF20077

- 2 Optimum vision and access space with the adaption of flat screens on multi-functional rails with adjustable swivel arms.



2

LCIC20034

- 3 Glare-free full lighting of the worktop surfaces with integrated underfit lamp.



3

- 4 An ergonomic and consequently comfortable working posture requires sufficient leg space. Without any obstructive desk legs in the link-up area, real leg space is guaranteed with full stability.



4

EAP20037

KNÜRR DACOBAS® ELECTRONIC WORKSTATION

143 to 160



**Knürr Dacobas® Electronic Workstation
Strong points**

Vertical and horizontal cable routing in cable ducts

- 1** The spacious horizontal cable duct of the basic version can be used for cabling and installing electrical components and socket strips.
- 2** Easy cabling and equipment fitting supported by the self-holding cableduct cover. Dust-protected cable entry with brush strip across the entire desk width.

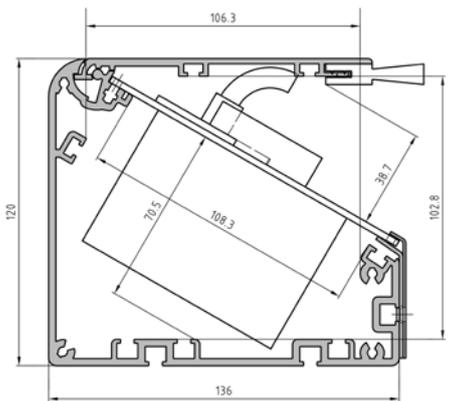
The Knürr Dacobas® Electronic Workstation can be optionally extended with a vertical cable duct on the extrusion.

Superstructures

- 3** Additional work and storage surfaces are created with desktop superstructures. A simple plug and bolt-connection is used here for vertically linking the desktop superstructures (Knürr Rapomos® equipment carrier, electronics mini distributor rack, lighting fixture and storage tray). Later installation and fixing of the components is also possible at any height with patented spring-nut and slot system.



1 EAP20040



1 EAP20058



3 LUF20054



2 LUF20056



3 EAP20047

Knürr Dacobas® Electronic Workstation Strong points

Corners

- 4 The worktops are suitable for numerous different combinations and set-up arrangements. The spacious horizontal cable duct is also accessible from above with the corners and offers the same comfort that the workstation systems offer.

Office pedestal drawer unit and 19" pedestal drawer unit

- 5 Office pedestal units can be mounted fixed at various positions.
- 6 Fixed mounted pedestal for holding 19" components.

Cabling option for 19" pedestal in the horizontal cable duct.

(Can also be mounted later at various positions)



3

EAP20046



4

EAP20006



5

EAP20038



6

EAP20048

Electronic Workstation Strong points

Building one onto the other, the modules of this workstation system meet the numerous technological requirements in a very intelligent way.

- 1 Depending on the special requirements, the Electronic Workstation is based on the Knürr workstation systems, **Dacobas®** or **Elicon®**.

In accordance with respective requirements, a 4-foot system configured for high static loads (Dacobas®) and a height adjustable C-foot system (Elicon®) are available to choose from.

Optimization of the space requirement and costs of integration of the electronic components in the:

- **Cable duct**
Mounting electronic components and socket strips
- **Electronics mini distributor rack**
For electronic components up to 91 mm installation depth in the horizontal pitch raster
- **Knürr Rapomos® equipment carrier**
For electronic components over 91 mm installation depth in the horizontal pitch raster or 19" raster
- **19" pedestal drawer unit**
Fixed mounted pedestal drawer unit for mounting 19" components (Can also be mounted later at various positions)

- 2 Configuration made easy! Individual lab workstation with a **Knürr Rapomos®** equipment carrier and/or a Knürr mini distributor superstructure.

- 3 Electronic components are protected by completely conductive workstations in accordance with ESD Standard.

- 4 Various integration levels of all components can be delivered on request with partial wiring through to complete wiring for immediate start-up.

- 5 Horizontal cable duct already preassembled in the basic version.

- 6 Quick and easy integration of TFT monitors in all standard sizes and levels.



5 LUF20133



6



1 EAP20030



1 RAP00197



2 LUF20056

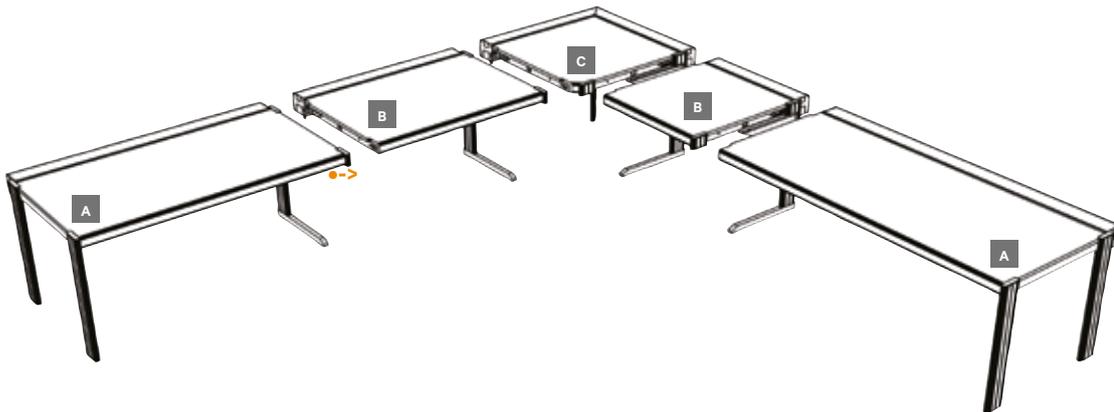


3 EAP20030



4 LUF20077

Three basic modules enable room layouts for the most diverse applications:



Also in ESD version



**Single Desk,
With horizontal cable duct, optional ESD**

- Single desk with 4 legs
- Extruded aluminium with 3 T-slots on each side
- Worktop with aesthetic 70 mm postformed edge at the front
- Desk frame with integrated mounting for 19" pedestals, office pedestal units and horizontal cable duct
- Rear-side spacious horizontal cable duct, accessible from above
- Horizontal cable duct for mounting electrical components
- Horizontal cable duct with self-holding cable duct cover
- Cable duct cover with brush strip for cable entry
- Cable duct and cable duct cover antistatic coated
- Brush strip provides dust protection in the cable entry area in the horizontal cable duct
- Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
- Prepared for socket strip installation
- Rear legs can be extended at any time for mounting vertical cable duct, lights, Knürr Rapomos® mini distributors, flat screens and shelves

ESD:

- Discharging electrostatic charges

Load rating

- 1500 N (static surface load)

Standards

- DIN 68761 for worktops
- EN 438 class for coating material

ESD:

- EN 61340 for electrostatic

Material / Finish

- Legs: extruded aluminium, powder-coated texture
- Worktop: three layer particle board, FP/Y E1 version, fire protection class B2
- Worktop coating: high pressure plastic laminate
- Horizontal cable duct and cable duct cover: extruded aluminium, powder-coated, antistatic texture
- Desk frame: sheet steel, zinc-passivated

ESD:

- Worktop volume conductive
- Work surface conductive

Color

- Legs: RAL 5008, grey-blue
- Worktop and frame trims: light-grey
- Cable duct and cable duct cover: RAL 7035, light-grey, antistatic

Supply schedule

- 1 worktop
- 1 desk frame
- 1 horizontal cable duct with cable duct cover
- 2 frame trims
- 4 legs
- 1 mounting instructions
- Mounting material

How supplied

- Flat packed in modules

Note

- Please also ask for ESD accessories!



EAP20002



Also in ESD version

W	H	D	Order no.	Order no. (ESD)	UP
830	750	800	01.321.002.1	01.361.002.1	1 unit
1030	750	800	01.321.003.1	01.361.003.1	1 unit
1230	750	800	01.321.004.1	01.361.004.1	1 unit
1430	750	800	01.321.005.1	01.361.005.1	1 unit
1630	750	800	01.321.006.1	01.361.006.1	1 unit
1830	750	800	01.321.007.1	01.361.007.1	1 unit
2030	750	800	01.321.008.1	01.361.008.1	1 unit
830	750	1000	01.321.012.1	01.361.012.1	1 unit
1030	750	1000	01.321.013.1	01.361.013.1	1 unit
1230	750	1000	01.321.014.1	01.361.014.1	1 unit
1430	750	1000	01.321.015.1	01.361.015.1	1 unit
1630	750	1000	01.321.016.1	01.361.016.1	1 unit
1830	750	1000	01.321.017.1	01.361.017.1	1 unit
2030	750	1000	01.321.018.1	01.361.018.1	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = Installation height
d = Useful depth
L = Length
HU = Standard height unit, 1 HU = 44,45 mm
HP = Horizontal pitch
OU = Office unit
19" = 482,6 mm.
(Ideal for 19" components in acc. with DIN 41494)
UP = Unit of packaging
Conversion: 1 inch = 25,4 mm
Replace „x“ with the number of your color choice

End Desk, Left

With horizontal cable duct, optional ESD

- End desk, left, with 2 legs on the left and link-up piece on the right
- Extruded aluminium with 3 T-slots on each side
- Worktop with aesthetic 70 mm postformed edge at the front
- Desk frame with integrated mounting for 19" pedestals, office pedestal units and horizontal cable duct
- Rear-side spacious horizontal cable duct, accessible from above
- Horizontal cable duct for mounting electrical components
- Horizontal cable duct with self-holding cable duct cover
- Cable duct cover with brush strip for cable entry
- Cable duct and cable duct cover antistatic coated
- Dust protection in the cable routing area with brush strip
- Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
- Prepared for socket strip installation
- Rear legs can be extended at any time for mounting vertical cable duct, lights, Knürr Rapomos® mini distributors, flat screens and shelves

ESD:

- Discharging electrostatic charges

• Load rating

- 1500 N (static surface load)

• Standards

- DIN 68761 for worktop
- EN 438 for coating material

ESD:

- EN 61340 for electrostatic

• Material / Finish

- Legs: extruded aluminium, powder-coated texture
- Worktop: three layer particle board, FP/Y E1 version, fire protection class B2
- Worktop coating: high pressure plastic laminate
- Horizontal cable duct and cable duct cover: extruded aluminium, powder-coated, antistatic texture
- Desk frame: sheet steel, zinc-passivated
- Worktop volume conductive
- Work surface conductive

• Color

- Legs: RAL 5008, grey-blue
- Worktop and frame trims: light-grey
- Cable duct and cable duct cover: RAL 7035, light-grey, antistatic

• Supply schedule

- 1 worktop
- 1 desk frame
- 1 horizontal cable duct with cable duct cover
- 1 frame trim
- 2 legs
- 1 link-up side piece
- 1 mounting instructions
- Mounting material

• How supplied

- Flat packed in modules

• Note

- Please also ask for ESD accessories!



EAP20001



Also in
ESD version

W	H	D	Order no.	Order no. (ESD)	UP
830	750	800	01.321.022.1	01.361.022.1	1 unit
1030	750	800	01.321.023.1	01.361.023.1	1 unit
1230	750	800	01.321.024.1	01.361.024.1	1 unit
1430	750	800	01.321.025.1	01.361.025.1	1 unit
1630	750	800	01.321.026.1	01.361.026.1	1 unit
1830	750	800	01.321.027.1	01.361.027.1	1 unit
2030	750	800	01.321.028.1	01.361.028.1	1 unit
830	750	1000	01.321.032.1	01.361.032.1	1 unit
1030	750	1000	01.321.033.1	01.361.033.1	1 unit
1230	750	1000	01.321.034.1	01.361.034.1	1 unit
1430	750	1000	01.321.035.1	01.361.035.1	1 unit
1630	750	1000	01.321.036.1	01.361.036.1	1 unit
1830	750	1000	01.321.037.1	01.361.037.1	1 unit
2030	750	1000	01.321.038.1	01.361.038.1	1 unit

Add-On Desk

With horizontal cable duct, optional ESD

- Add-on desk with link-up side piece, on the right
- Extruded aluminium with 3 T-slots on each side
- Worktop with aesthetic 70 mm postformed edge at the front
- Desk frame with integrated mounting for 19" pedestals, office pedestal units and horizontal cable duct
- Rear-side spacious horizontal cable duct, accessible from above
- Horizontal cable duct for mounting electrical components
- Horizontal cable duct with self-holding cable duct cover
- Cable duct cover with brush strip for cable entry
- Cable duct and cable duct cover antistatic coated
- Dust protection in the cable routing area with brush strip
- Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
- Prepared for socket strip installation
- Rear leg can be extended at any time for mounting vertical cable duct, lights, Knürr Rapomos® mini distributors, flat screens and shelves

ESD:

- Discharging electrostatic charges

• Load rating

- 1500 N (static surface load)

• Standards

- DIN 68761 for worktops
- EN 438 for coating material

ESD:

- EN 61340 for electrostatic

• Material / Finish

- Legs: extruded aluminium, powder-coated texture
- Worktop: three layer particle board, FP/Y E1 version, fire protection class B2
- Worktop coating: high pressure plastic laminate
- Horizontal cable duct and cable duct cover: extruded aluminium, powder-coated, antistatic texture
- Desk frame: sheet steel, zinc-passivated
- Worktop volume conductive
- Work surface conductive

• Color

- Leg: RAL 5008, grey-blue
- Worktop and frame trims: light-grey
- Cable duct and cable duct cover: RAL 7035, light-grey, antistatic

• Supply schedule

- 1 worktop
- 1 desk frame
- 1 horizontal cable duct with cable duct cover
- 1 link-up side piece
- 1 mounting instructions
- Mounting material

• How supplied

- Flat packed in modules

• Note

- Please also ask for ESD accessories!



EAP20005



Also in ESD version

W	H	D	Order no.	Order no. (ESD)	UP
830	750	800	01.321.062.1	01.361.062.1	1 unit
1030	750	800	01.321.063.1	01.361.063.1	1 unit
1230	750	800	01.321.064.1	01.361.064.1	1 unit
1430	750	800	01.321.065.1	01.361.065.1	1 unit
1630	750	800	01.321.066.1	01.361.066.1	1 unit
1830	750	800	01.321.067.1	01.361.067.1	1 unit
2030	750	800	01.321.068.1	01.361.068.1	1 unit
830	750	1000	01.321.072.1	01.361.072.1	1 unit
1030	750	1000	01.321.073.1	01.361.073.1	1 unit
1230	750	1000	01.321.074.1	01.361.074.1	1 unit
1430	750	1000	01.321.075.1	01.361.075.1	1 unit
1630	750	1000	01.321.076.1	01.361.076.1	1 unit
1830	750	1000	01.321.077.1	01.361.077.1	1 unit
2030	750	1000	01.321.078.1	01.361.078.1	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = Installation height
d = Useful depth
L = Length
HU = Standard height unit, 1 HU = 44,45 mm
HP = Horizontal pitch
OU = Office unit
19" = 482,6 mm.
(ideal for 19" components in acc. with DIN 41494)
UP = Unit of packaging
Conversion: 1 inch = 25,4 mm
Replace „x“ with the number of your color choice

End Desk, Right

With horizontal cable duct, optional ESD

- End desk, right, with two legs on the right
- Extruded aluminium with 3 T-slots on each side
- Worktop with aesthetic 70 mm postformed edge at the front
- Desk frame with integrated mounting for 19" pedestals, office pedestal units and horizontal cable duct
- Rear-side spacious horizontal cable duct, accessible from above
- Horizontal cable duct for mounting electrical components
- Horizontal cable duct with self-holding cable duct cover
- Cable duct cover with brush strip for cable entry
- Cable duct and cable duct cover antistatic coated
- Dust protection in the cable routing area with brush strip
- Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
- Prepared for socket strip installation
- Rear leg can be extended at any time for mounting vertical cable duct, lights, Knürr Rapomos® mini distributors, flat screens and shelves

ESD:

- Discharging electrostatic charges

• Load rating

- 1500 N (static surface load)

• Standards

- DIN 68761 for worktops
- EN 438 for coating material

ESD:

- EN 61340 for electrostatic

• Material / Finish

- Legs: extruded aluminium, powder-coated texture
- Worktop: three layer particle board, FP/Y E1 version, fire protection class B2
- Worktop coating: high pressure plastic laminate
- Horizontal cable duct and cable duct cover: extruded aluminium, powder-coated, antistatic texture
- Desk frame: sheet steel, zinc-passivated
- Worktop volume conductive
- Work surface conductive

• Color

- Legs: RAL 5008, grey-blue
- Worktop and frame trims: light-grey
- Cable duct and cable duct cover: RAL 7035, light-grey, antistatic

• Supply schedule

- 1 worktop
- 1 desk frame
- 1 horizontal cable duct with cable duct cover
- 1 frame trim
- 2 legs
- 1 mounting instructions
- Mounting material

• How supplied

- Flat packed in modules

• Note

- Please also ask for ESD accessories!



EAP20004



Also in ESD version

W	H	D	Order no.	Order no. (ESD)	UP
830	750	800	01.321.042.1	01.361.042.1	1 unit
1030	750	800	01.321.043.1	01.361.042.1	1 unit
1230	750	800	01.321.044.1	01.361.042.1	1 unit
1430	750	800	01.321.045.1	01.361.042.1	1 unit
1630	750	800	01.321.046.1	01.361.042.1	1 unit
1830	750	800	01.321.047.1	01.361.042.1	1 unit
2030	750	800	01.321.048.1	01.361.042.1	1 unit
830	750	1000	01.321.052.1	01.361.052.1	1 unit
1030	750	1000	01.321.053.1	01.361.053.1	1 unit
1230	750	1000	01.321.054.1	01.361.054.1	1 unit
1430	750	1000	01.321.055.1	01.361.055.1	1 unit
1630	750	1000	01.321.056.1	01.361.056.1	1 unit
1830	750	1000	01.321.057.1	01.361.057.1	1 unit
2030	750	1000	01.321.058.1	01.361.058.1	1 unit

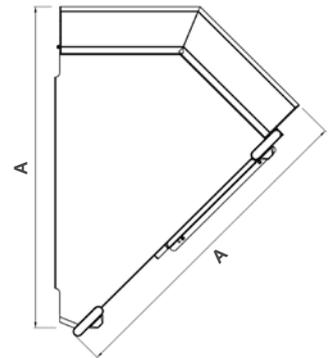
**Knürr Dacobas® 45° Corner
With horizontal cable duct**

- Standard and ESD models possible
 - ESD model for discharging electrostatic charges
 - 45° corner with link-up side piece, right
 - Extruded aluminium with 3 T-slots on each side
 - Corner worktop with aesthetic 70 mm postformed edge at the front
 - Corner frame with integrated mounting for horizontal cable duct
 - All-round spacious horizontal cable duct, accessible from above
 - Horizontal cable duct for mounting electrical components
 - Horizontal cable duct with self-holding cable duct cover
 - Cable duct cover with brush strip for cable entry
 - Cable duct and cable duct cover antistatic coated
 - Dust protection in the cable routing area with brush strip
 - Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
 - Prepared for socket strip installation
 - Rear leg can be extended at any time for mounting vertical cable duct
- **Load rating**
 - 1500 N (static surface load)
 - **Standards**
 - DIN 68761 for worktops
 - EN 438 for coating material
 - EN 61340 for electrostatic (for ESD model)

- **Material / Finish**
 - Leg: extruded aluminium, powder-coated texture
 - Corner worktop: three layer particle board, FP/Y E1 version, fire protection class B2
 - Volume conductive (for ESD model)
 - Corner worktop coating: high pressure plastic laminate (conductive with ESD)
 - Horizontal cable duct and cable duct cover: extruded aluminium, power-coated antistatic texture
 - Corner frame: sheet steel, zinc-passivated
- **Color**
 - Leg: RAL 5008, grey-blue
 - Corner worktop: light-grey
 - Cable duct and cable duct cover: RAL 7035, light-grey, antistatic
- **Supply schedule**
 - 1 corner worktop
 - 1 corner frame
 - 1 horizontal cable duct with cable duct cover
 - 1 link-up side piece
 - 1 mounting instructions
 - Mounting material
- **How supplied**
 - Flat packed in modules
- **Note**
 - Please also ask for ESD accessories!



EAP20029



EAP20065

H	A	Model	Order no.	UP
750	800	Standard	01.321.086.1	1 unit
750	1000	Standard	01.321.087.1	1 unit
750	800	ESD	01.361.086.1	1 unit
750	1000	ESD	01.361.087.1	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = Installation height
d = Useful depth
L = Length
HU = Standard height unit, 1 HU = 44,45 mm
HP = Horizontal pitch
OU = Office unit
19" = 482,6 mm, (ideal for 19" components in acc. with DIN 41494)
UP = Unit of packaging
Replace „x“ with the number of your color choice

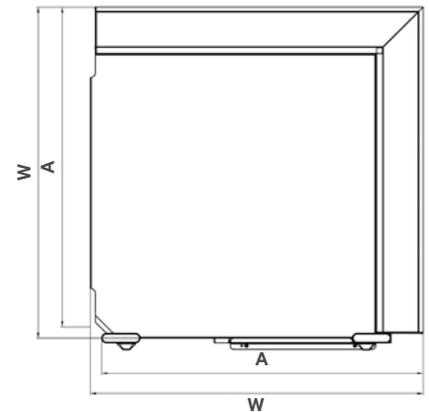
Conversion: 1 inch = 25,4 mm

Knürr Dacobas® 90° Wall Corner With horizontal cable duct

- Standard and ESD models possible
 - ESD version for discharging electrostatic charges
 - Wall corner with link-up side piece, right
 - Extruded aluminium with 3 T-slots on each side
 - Wall corner worktop with aesthetic 70 mm postformed edge at the front
 - Wall corner frame with integrated mounting for horizontal cable duct
 - All-round spacious horizontal cable duct, accessible from above
 - Horizontal cable duct for mounting electrical components
 - Horizontal cable duct with self-holding cable duct cover
 - Cable duct cover with brush strip for cable entry
 - Cable duct and cable duct cover antistatic coated
 - Dust protection in the cable routing area with brush strip
 - Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
 - Prepared for socket strip installation
 - Rear leg can be extended at any time for mounting vertical cable duct
- **Material / Finish**
 - Leg: extruded aluminium, powder-coated texture
 - Wall corner worktop: three layer particle board, FP/Y E1 version, fire protection class B2
 - Volume conductive (for ESD model)
 - Wall corner worktop coating: High pressure plastic laminate (conductive with ESD)
 - Horizontal cable duct and cable duct cover: extruded aluminium, power-coated antistatic texture
 - Wall corner frame: sheet steel, zinc-passivated
 - **Color**
 - Leg: RAL 5008, grey-blue
 - Wall corner worktop: light-grey
 - Cable duct and cable duct cover: RAL 7035, light-grey, antistatic
 - **Supply schedule**
 - 1 wall corner worktop
 - 1 wall corner frame
 - 1 horizontal cable duct with cable duct cover
 - 1 link-up side piece
 - 1 mounting instructions
 - Mounting material
 - **How supplied**
 - Flat packed in modules
 - **Note**
 - Please also ask for ESD accessories!
- **Load rating**
 - 1500 N (static surface load)
 - **Standards**
 - DIN 68761 for worktops
 - EN 438 for coating material
 - EN 61340 for electrostatic (for ESD model)



EAP20031



EAP20066

H	W	A	Model	Order no.	UP
750	1035	800	Standard	01.321.080.1	1 unit
750	1035	1000	Standard	01.321.081.1	1 unit
750	1035	800	ESD	01.361.080.1	1 unit
750	1035	1000	ESD	01.361.081.1	1 unit

**Knürr Dacobas® 90° Triangle Corner
With horizontal cable duct**

- Standard and ESD models possible
- ESD version for discharging electrostatic charges
- 90° triangle corner with link-up side piece, right
- Extruded aluminium with 3 T-slots on each side
- Triangle corner worktop with aesthetic 70 mm postformed edge at the front
- Triangle corner frame with integrated mounting for horizontal cable duct
- All-round spacious horizontal cable duct, accessible from above
- Horizontal cable duct for mounting electrical components
- Horizontal cable duct with self-holding cable duct cover
- Cable duct cover with brush strip for cable entry
- Cable duct and cable duct cover antistatic coated
- Dust protection in the cable routing area with brush strip
- Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
- Prepared for socket strip installation
- Rear leg can be extended at any time for mounting vertical cable duct

• **Load rating**

- 1500 N (static surface load)

• **Standards**

- DIN 68761 for triangle corner worktops
- EN 438 for coating material
- EN 61340 for electrostatic (for ESD model)

• **Material / Finish**

- Leg: extruded aluminium, powder-coated texture
- Triangle corner worktop, three layer particle board, FP/Y E1 version, fire protection class B2
- Volume conductive (for ESD model)
- Triangle corner worktop coating: High pressure plastic laminate (conductive with ESD)
- Horizontal cable duct and cable duct cover: extruded aluminium, power-coated antistatic texture
- Wall corner frame: sheet steel, zinc-passivated

• **Color**

- Leg: RAL 5008, grey-blue
- Triangle corner worktop: light-grey
- Cable duct and cable duct cover: RAL 7035, light-grey, antistatic

• **Supply schedule**

- 1 triangle corner worktop
- 1 triangle corner frame
- 1 horizontal cable duct with cable duct cover
- 1 link-up side piece
- 1 mounting instructions
- Mounting material

• **How supplied**

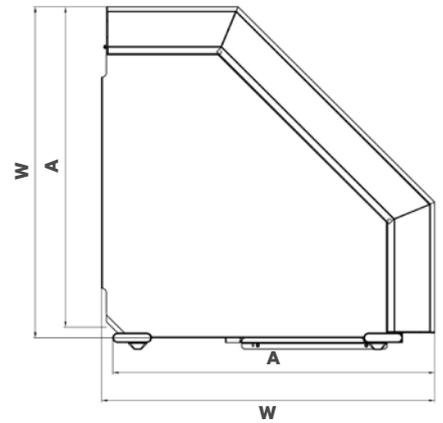
- Flat packed in modules

• **Note**

- Please also ask for ESD accessories!



EAP20030



EAP20067

H	W	A	Model	Order no.	UP
750	1035	800	Standard	01.321.088.1	1 unit
750	1035	1000	Standard	01.321.089.1	1 unit
750	1035	800	ESD	01.361.088.1	1 unit
750	1035	1000	ESD	01.361.089.1	1 unit

Dimensions in mm: W = Width
 H = Height
 D = Depth
 h = Installation height
 d = Useful depth
 L = Length
 HU = Standard height unit, 1 HU = 44.45 mm
 HP = Horizontal pitch
 OU = Office unit 19" = 482.6 mm, (ideal for 19" components in acc. with DIN 41494)
 UP = Unit of packaging
 Replace „x“ with the number of your color choice

Conversion: 1 inch = 25,4 mm

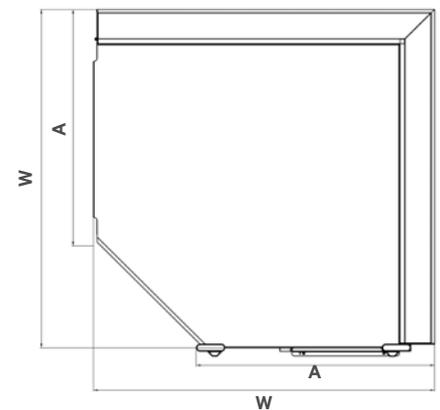
Dacobas® Trapezoid Wall Corner With horizontal cable duct

- Standard and ESD models possible
 - ESD version for discharging electrostatic charges
 - Trapezoid wall corner with link-up side piece, on the right
 - Extruded aluminium with 3 T-slots on each side
 - Trapezoid wall corner worktop with aesthetic 70 mm postformed edge at the front
 - Trapezoid wall corner frame with integrated mounting for horizontal cable duct
 - All-round spacious horizontal cable duct, accessible from above
 - Horizontal cable duct for mounting electrical components
 - Horizontal cable duct with self-holding cable duct cover
 - Cable duct cover with brush strip for cable entry
 - Cable duct and cable duct cover antistatic coated
 - Dust protection in the cable routing area with brush strip
 - Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
 - Prepared for socket strip installation
 - Rear leg can be extended at any time for mounting vertical cable duct
- **Material / Finish**
 - Leg: extruded aluminium, powder-coated texture
 - Trapezoid wall corner worktop: three layer particle board, FP/Y E1 version, fire protection class B2
 - Volume conductive (for ESD model)
 - Trapezoid wall corner worktop coating: high pressure plastic laminate (conductive with ESD)
 - Horizontal cable duct and cable duct cover: extruded aluminium, power-coated antistatic texture
 - Trapezoid wall corner frame: sheet steel, zinc-passivated
 - **Color**
 - Leg: RAL 5008, grey-blue
 - Trapezoid wall corner worktop: light-grey
 - Cable duct and cable duct cover: RAL 7035, light-grey, antistatic
 - **Supply schedule**
 - 1 trapezoid wall corner worktop
 - 1 trapezoid wall corner frame
 - 1 horizontal cable duct with cable duct cover
 - 1 link-up side piece
 - 1 mounting instructions
 - Mounting material
 - **How supplied**
 - Flat packed in modules
 - **Note**
 - Please also ask for ESD accessories!
- **Load rating**
 - 1500 N (static surface load)
 - **Standards**
 - DIN 68761 for trapezoid wall corner worktop
 - EN 438 for coating material
 - EN 61340 for electrostatic (for ESD model)

H	W	A	Model	Order no.	UP
750	1432	800	Standard	01.321.082.1	1 unit
750	1432	1000	Standard	01.321.083.1	1 unit
750	1432	800	ESD	01.361.082.1	1 unit
750	1432	1000	ESD	01.361.083.1	1 unit



EAP20033



EAP20068

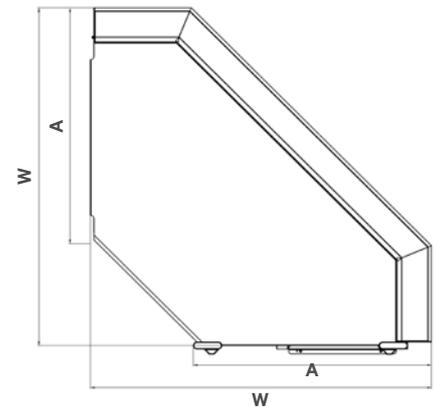
**Knürr Dacobas® Trapezoid Corner
With horizontal cable duct**

- Standard and ESD models possible
 - ESD version for discharging electrostatic charges
 - Trapezoid corner with link-up side piece, on the right
 - Extruded aluminium with 3 T-slots on each side
 - Trapezoid corner worktop with aesthetic 70 mm postformed edge at the front
 - Trapezoid corner frame with integrated mounting for horizontal cable duct
 - All-round spacious horizontal cable duct, accessible from above
 - Horizontal cable duct for mounting electrical components
 - Horizontal cable duct with self-holding cable duct cover
 - Cable duct cover with brush strip for cable entry
 - Cable duct and cable duct cover antistatic coated
 - Dust protection in the cable routing area with brush strip
 - Complete cable routing is also possible with workstation link-ups in the horizontal cable duct
 - Prepared for socket strip installation
 - Rear leg can be extended at any time for mounting vertical cable duct
- **Load rating**
 - 1500 N (static surface load)
 - **Standards**
 - DIN 68761 for trapezoid corner worktop
 - EN 438 for coating material
 - EN 61340 for electrostatic (for ESD model)

- **Material / Finish**
 - Leg: extruded aluminium, powder-coated texture
 - Trapezoid corner worktop: three layer particle board, FP/Y E1 version, fire protection class B2
 - Volume conductive (for ESD model)
 - Trapezoid corner worktop coating: High pressure plastic laminate (conductive with ESD)
 - Horizontal cable duct and cable duct cover: extruded aluminium, power-coated antistatic texture
 - Trapezoid corner frame: sheet steel, zinc-passivated
- **Color**
 - Leg: RAL 5008, grey-blue
 - Trapezoid corner worktop: light-grey
 - Cable duct and cable duct cover: RAL 7035, light-grey, antistatic
- **Supply schedule**
 - 1 trapezoid corner worktop
 - 1 trapezoid corner frame
 - 1 horizontal cable duct with cable duct cover
 - 1 link-up side piece
 - 1 mounting instructions
 - Mounting material
- **How supplied**
 - Flat packed in modules
- **Note**
 - Please also ask for ESD accessories!



EAP20032



EAP20069

H	W	A	Model	Order no.	UP
750	1432	800	Standard	01.321.084.1	1 unit
750	1432	1000	Standard	01.321.085.1	1 unit
750	1432	800	ESD	01.361.084.1	1 unit
750	1432	1000	ESD	01.361.085.1	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = Installation height
d = Useful depth
L = Length

HU = Standard height unit, 1 HU = 44,45 mm
HP = Horizontal pitch
OU = Office unit
19" = 482,6 mm,
(ideal for 19" components in acc. with DIN 41494)
UP = Unit of packaging

Conversion: 1 inch = 25,4 mm
Replace „x“ with the number of your color choice

Knürr Dacobas® Extrusion

- Aluminium extrusion with 3 T-slots on each side
 - For extrusion extension
 - For mounting vertical cable duct, lights, Rapomos®, mini distributors, flat screens and functional rails
- **Material / Finish**
 - Extrusion: extruded aluminium, powder-coated texture
 - **Color**
 - Extrusions: RAL 5008, grey-blue
 - Caps: RAL 5008 grey-blue and RAL 9011, graphite black (for ESD)
- **Supply schedule**
 - 2 extrusions
 - 2 caps, RAL 5008
 - 2 caps, RAL 9011 (for ESD)
 - 1 mounting instructions
 - Mounting material
 - **How supplied**
 - Single unit



EAP20007

L	Order no.	UP
450	01.321.105.1	1 pair
890	01.321.106.1	1 pair
830	01.321.107.1	1 pair

Knürr Dacobas® Vertical Cable Duct

- Cable duct extrusion and cable duct cover made of extruded aluminium
 - The vertical cable duct is mounted with self-cutting screws on Dacobas® extrusion
 - Cable duct cover in full or segmented version
 - Cable duct cap in standard and ESD versions
- **Material / Finish**
 - Cable duct and cable duct cover: extruded aluminium, powder-coated texture
 - **Color**
 - Cable duct and cable duct cover: RAL 5008, grey-blue
 - Caps: RAL 5008 grey-blue and RAL 9011 graphite black (for ESD)
 - **Supply schedule**
 - 1 cable duct with cable duct covers
 - 1 cap, RAL 5008
 - 1 cap, RAL 9011 (for ESD)
 - 1 mounting instructions
 - Mounting material
 - **How supplied**
 - Single unit



EAP20008

L	Model	Cover	Order no.	UP
702	Below, ext.	Segmented	01.321.090.1	1 unit
702	Below, link-up	Segmented	01.321.091.1	1 unit
450	Superstructure	Segmented	01.321.092.1	1 unit
890	Superstructure	Segmented	01.321.093.1	1 unit

Knürr Dacobas® 19" Pedestal
For mounting on the Knürr Dacobas® Electronic Workstation

- 19" pedestal for mounting on the Knürr Dacobas® Electronic Workstation on the left or right
 - With 4 19" extrusions for mounting chassis runners, fixed and pull-out shelves and 19" equipment
 - 19" T-slot extrusion front and rear for variable mounting of installation components
 - Removable rear and side panels
 - Top cover and bottom cover with cable routing
 - Installation height: 12 HU
- **Standards**
 - Earth in acc. with VDE 0100
 - Can be upgraded in acc. with protection rating IP 50
 - **Material / Finish**
 - 19" extrusions: extruded aluminium
 - Top and bottom covers, rear and side panels: sheet steel, powder-coated texture
 - Extrusions: extruded aluminium with 3 T-slots on each side
 - **Color**
 - Rear and side panels
RAL 7035, light-grey
 - Top and bottom covers
RAL 9011, graphite black
 - Extrusion: RAL 5008 grey-blue
 - **Supply schedule**
 - 1 basic rack with 2 side panels,
 - 1 rear panel and 4 x 19" extrusions with T-slot
 - Mounting material
 - 2 extrusions
 - **How supplied**
 - Preassembled
 - **Note**
 - Please order socket strips separately
 - Installation of chassis runners and 19" shelves possible



EAP20061

W	H	D	HU	d	Assembly	Order no.	UP
540	576	625	12	615	Left/right	01.321.095.1	1 unit
540	576	825	12	815	Left/right	01.321.097.1	1 unit

Storage Tray
Tilt adjustable

- To set down instruments and organisational material
 - Ergonomic positioning with tilt adjustment of +/- 5°
 - Mounting between the Knürr Dacobas® extrusions
 - Height adjustable on the vertical Knürr Dacobas® extrusions
 - Also for mounting above the underfit lamp
- **Load rating**
 - 750 N (static surface load)
 - **Material / Finish**
 - Storage tray: sheet steel, antistatic powder-coated texture, RAL 7035 light-grey
 - **Supply schedule**
 - 1 storage tray
 - Mounting material
 - **Note**
 - From width 1630 mm with additional strength



EAP20023

W	H	D	Model	Order no.	UP
830		400	Knürr Dacobas®	01.321.320.1	1 unit
1030		400	Knürr Dacobas®	01.321.321.1	1 unit
1230		400	Knürr Dacobas®	01.321.322.1	1 unit
1430		400	Knürr Dacobas®	01.321.323.1	1 unit
1630		400	Knürr Dacobas®	01.321.324.1	1 unit
1830		400	Knürr Dacobas®	01.321.325.1	1 unit
2030		400	Knürr Dacobas®	01.321.326.1	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = Installation height
d = Useful depth
L = Length

HU = Standard height unit, 1 HU = 44,45 mm
HP = Horizontal pitch
OU = Office unit
19" = 482,6 mm, (ideal for 19" components in acc. with DIN 41494)
UP = Unit of packaging

Conversion: 1 inch = 25,4 mm
Replace „x“ with the number of your color choice

Knürr Dacobas® Office Pedestal For mounting on the Knürr Dacobas® Electronic Workstation

- **Standard version:**
 - Bonded main unit
 - All telescopic slides enclosed
 - Drawer catch
 - Central locking system with exchangeable cylinder
 - 1 key as stabilizer
 - 6 OU extensions with suspension frame
- **ESD-version:**
 - Volume conductive body
 - Drawer trims: three layer quality particle board, FP/Y E1 version, fire protection class B2, directly coated
 - Drawer handle: Matte nickel plated, conductive
- **Guides**
 - 1 OU (50 mm) material tray, single extension
 - 3 OU (150 mm) telescopic rails, part pull-out
 - 6 OU (300 mm) telescopic rails, full pull-out
- **Standards**
 - Main unit in acc. with DIN 68765
 - EN 438 HGS class for high pressure plastic laminate
- **Tests (for ESD-version)**
 - EN 61340 for electrostatic
 - EN 438 P1 +P2
- **Material / Finish**
 - Body and Drawer trims: three layer particle board, FP/Y E1 version, fire protection class B2, direct coated
 - Drawer handle: Matte nickel plated, conductive
 - Drawer trays: sheet steel, black
- **Color**
 - Body and Drawer trims: RAL7035 light-grey
 - Top cover: sheet steel, zinc-passivated
- **Supply schedule**
 - 1 Office Pedestal, see below table for different versions
- **How supplied**
 - Assembled
- **Note**
 - Various locking options on request, with general key; different drawer heights, 50mm (1 OU) or 100 mm (2 OU) with drawer compartment divisions on request
 - Does not mount at the side of a workstation that is connected with another workstation

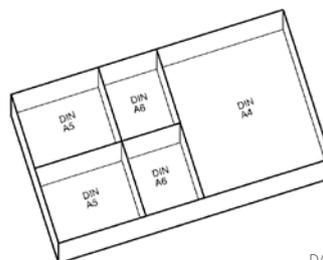


EAP20010

W	H	D	d	Model	Order no.	Order no. (ESD)	UP
435	561	800	670	50-150-150-150	01.321.805.1	01.321.805.7	1 unit
435	561	800	670	50-150-300	01.321.806.1	01.321.806.7	1 unit
435	561	1000	870	50-150-150-150	01.321.807.1	01.321.807.7	1 unit
435	561	1000	870	50-150-300	01.321.808.1	01.321.808.7	1 unit

Drawer Separator

- **Material**
 - Plastics
- **Finish**
 - Black
- **Note**
 - DIN A5/A6 separators always require one DIN A4 separator!
- **Supply schedule**
 - 1 Separator



DAC00006



ELI00270

Model	Order no.	Order no. (ESD)	UP
DIN A 4	00.320.538.9	00.320.538.7	1 unit
DIN A 5	00.320.537.9	00.320.537.7	1 unit
DIN A 6	00.320.536.9	00.320.536.7	1 unit

Knürr Dacobas® Module Panel Installation Set
For horizontal cable duct

- For mounting electrical components
 - Earth in acc. with VDE 0100
 - For front panel sections - 3 HU; 84 HP
 - Side covers for cable exits
- **Material / Finish**
 - Front panel bracket and separating cover: sheet steel, powder-coated antistatic texture, RAL 7035, light-grey
 - **Supply schedule**
 - 1 front panel bracket
 - 2 separating covers
 - 1 tapped strip
 - 1 contact spring
 - 1 mounting instructions
 - Mounting material



EAP20027

W	H	D	L	Order no.	UP
84 HP			426	01.321.104.1	1 unit

Knürr Dacobas® Desk Side Panels with Retaining Extrusions
For desk height 750 mm

- For Knürr Dacobas® Electronic Workstations
 - Side cover for Knürr Dacobas® desks without pedestals
 - ESD version for discharging electrostatic charges
- **Material / Finish**
 - Panel: three layer particle board, FP/Y E1 version, directly coated, fire protection class B2 (volume conductive with ESD)
 - Retaining extrusion: extruded aluminium, powder-coated texture
 - **Color**
 - Panel: light-grey
 - Retaining extrusion: RAL 5008, grey-blue
 - **Supply schedule**
 - 1 side panel with retaining extrusions
 - Mounting material
 - **Standards**
 - DIN 68761 for covers
 - EN 61340 for electrostatic
 - **How supplied**
 - Module



EAP20019

H	D	Order no.	Order no. (ESD)	UP
580	800	01.302.419.1	01.361.419.1	1 unit
580	1000	01.302.417.1	01.361.417.1	1 unit

Knürr Dacobas® Desk Rear Panel Cover
For desk height 750 mm

- For Knürr Dacobas® Electronic Workstations
 - Rear panel cover for Knürr Dacobas® desks without pedestals
 - ESD version for discharging electrostatic charges
- **Material / Finish**
 - Panel: three layer particle board, FP/Y E1 version, fire protection class B2, directly coated (volume conductive with ESD)
 - Mounting bracket: sheet steel, powder-coated texture
 - **Color**
 - Panel parts: light-grey
 - Mounting bracket: RAL 9011, graphite black
 - **Standards**
 - DIN 68761 for covers
 - EN 61340 for electrostatic
 - **Supply schedule**
 - 1 rear panel with mounting bracket
 - Mounting material



EAP20020

W	H	D	Order no.	Order no. (ESD)	UP
830	515		01.321.832.1	01.361.832.1	1 unit
1030	515		01.321.833.1	01.361.833.1	1 unit
1230	515		01.321.834.1	01.361.834.1	1 unit
1430	515		01.321.835.1	01.361.835.1	1 unit
1630	515		01.321.836.1	01.361.836.1	1 unit
1830	515		01.321.837.1	01.361.837.1	1 unit
2030	515		01.321.838.1	01.361.838.1	1 unit

Dimensions in mm: W = Width
 H = Height
 D = Depth
 h = Installation height
 d = Useful depth
 L = Length

HU = Standard height unit, 1 HU = 44,45 mm
 HP = Horizontal pitch
 OU = Office unit
 19" = 482,6 mm,
 (ideal for 19" components in acc. with DIN 41494)
 UP = Unit of packaging