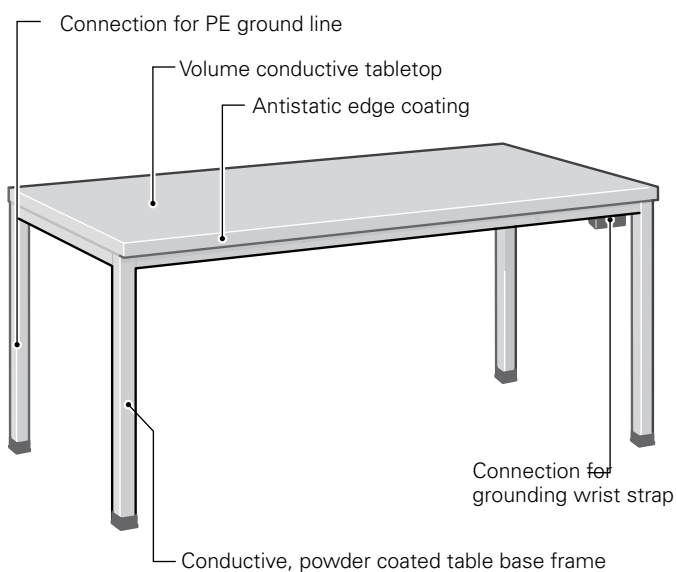




Example: EcoTec^{SP} table



Electrostatic voltages are generated through friction or separation of insulating materials. Objects and people may be charged to high potential values. Sensitive semiconductors may be damaged without users noticing at discharge pulses of below 100 V.

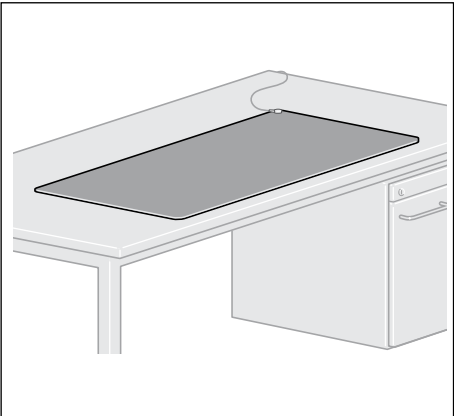

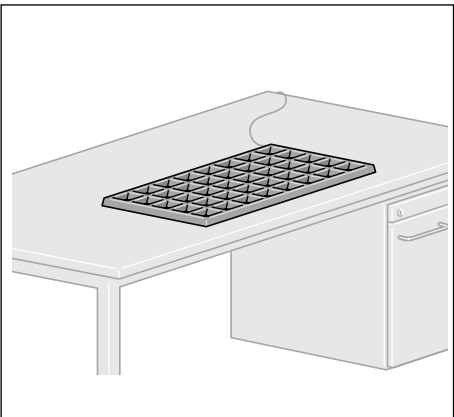

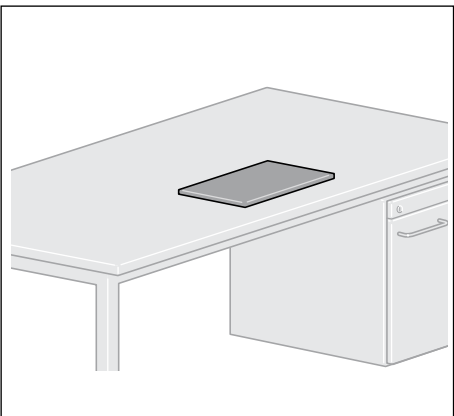

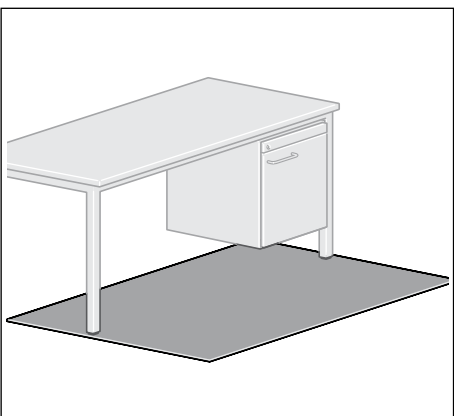

When working with ESD components, safety measures must be taken. Damage due to excessively high voltages on the component connections can be avoided by taking appropriate measures:

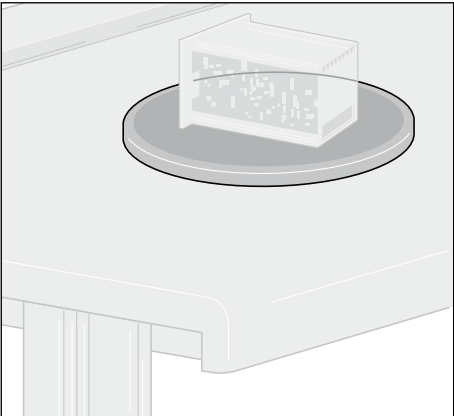
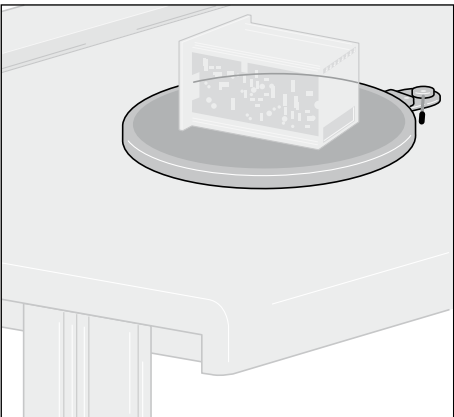
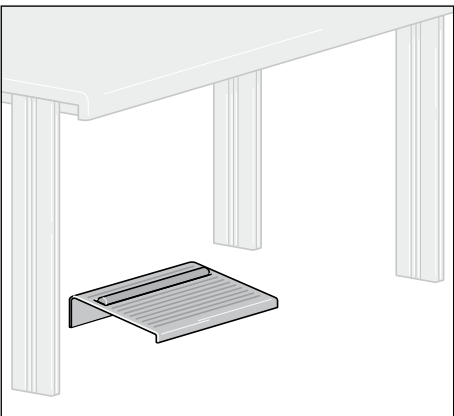
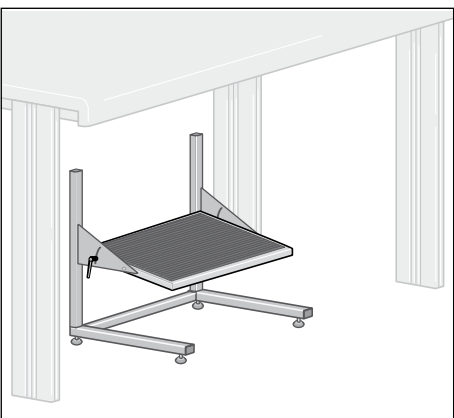
- 1 Electronics protection zones (EPA) with conductive floor and table coatings as well as ESD-compatible tools and non-chargeable work clothes.
- 2 Use of conductive table mats, work chairs, wrist straps and grounding systems with fitted protective resistor at individual work stations.
- 3 Maintenance of a relative air humidity of at least 40 % with suitable air conditioning devices.

Conductive Elabo ESD work tables are equipped with a volume conductive tabletop. The table frame is powder coated with conductive material. All metal parts and the work surface are continuously conductively connected.

The dissipation resistance of the table system is, pursuant to IEC 61340-5-1, 10^6 to 10^9 Ohm. The tables are prepared for the connection of the PE earth line and an earthing module (EBP).



Table mat		<p>Technical data</p> <p>Conductive table mat for tables without appropriate surface.  Underside provided with conductive foam to make it slide-proof. ESD earth connection for earthing module and earthing arm band by means of 10 mm ø pushbuttons. Colour grey</p> <p>Connection cable</p>	<p>Width Depth Height</p> <p>900 x 520 x 2</p>	<p>Order no.</p> <p>01-4L</p> <p>01-4X ZNCABLE</p>
Full rubber lattice mat		<p>Technical data</p> <p>Conductive full rubber lattice mat as protective base for repair and fabrication with 10 mm ø pushbutton connection. Colour black </p>	<p>Width Depth Height</p> <p>625 x 375 x 20</p>	<p>Order no.</p> <p>01-4W</p>
Foam		<p>Technical data</p> <p>Conductive foam for application onto ESD modules; for lining drawers and containers. Colour: black </p>	<p>Width Depth Height</p> <p>330 x 240 x 6</p>	<p>Order no.</p> <p>01-4U</p>
Flooring		<p>Technical data</p> <p>Conductive flooring with good lying property.  Castor-protected, two-layer synthetic rubber with back coating. Pushbutton connection 10 mm ø with 1.5 m connection cable for ESD ground connection, e.g. on the table frame. Colour grey</p>	<p>Width Depth Height</p> <p>1500 x 1220 x 3.5</p> <p>Dimensions in mm</p>	<p>Order no.</p> <p>01-4V</p>

	Technical data	Width	Depth	Height	Order no.
Rotating base	 <p>Rotating base, covered both sides with a ribbed rubber mat, colour: black Loading capacity: 180 kg</p> <p>Standard</p> <p>ESD</p>	380		20	78-4G
		380		20	78-4H
Device plate	 <p>Rotary table (adjustable) made of stainless steel, maintenance-free friction bearings. Upper side with ribbed rubber mat, underside with smooth rubber mat, including locking lever; colour black. Loading capacity: 180 kg</p> <p>Standard</p> <p>ESD</p>	380		20	78-4J
		380		20	78-4K
Foot rest	 <p>Footrest made of light grey polystyrene, ribbed surface. The integrated "Stay-fit roller" promotes blood circulation</p> <p>Standard, light grey</p> <p>ESD, black</p>	500 x 370 x 100		100	85-4L
		500 x 370 x 100		100	01-4E
Foot rest	 <p>Stable foot support, adjustable in height and angle. Footrest with rubber covering, frame made of 40 mm square tubing, grey-white powder coating, with levelling feet for compensating for uneven flooring.</p> <p>ESD</p>	540 x 440 x 500		500	85-4N
		540 x 440 x 500		500	85-4N Z01
		Dimensions in mm			



Storage container		Technical data	Width	Depth	Height	Order no.
		Conductive storage container made of polypropylene. Stackable design for storage and provision of ESD modules. Colour: black.	149 x 149 x 186 x	192 x 250 x 300x	105 130 156	01-4A 01-4B 01-4C

PCB magazine		Technical data	Width	Depth	Height	Order no.
		Conductive circuit board storage magazine for safe storage of circuit boards. No sliding out, thanks to the slightly tilted position. In the event of wet circuit boards, residual fluid is drained off through drainage holes. Colour black.	275 x	208 x	93	01-4Q

ESD wrist strap		Technical data	Width	Depth	Height	Order no.
		Conductive, adjustable earthing armband with 1 MOhm protective resistor. Contacting via 10 mm Ø push-button on the table mat or EBP. 1.3 m spiral cable, can be extended to 2.5 m.				01-4X
		Ground bonding point (drawing on right-hand side) on next page.				

Small parts magazine		Technical data	Width	Depth	Height	Order no.
		ESD small parts magazine with conductive drawers made of polystyrene in a steel plate housing. Colour: black.				
		48 drawers 12 drawers	310 x 300 x	180 x 160 x	550 270	01-4P 01-4N

Identification plates		Technical data	Width	Depth	Height	Order no.
		Identification plate for ESD work stations. Self-adhesive, highly abrasion-resistant PVC, resistant against cleaning agents.	120 x	60		01-4F
		Identification plate made of hard plastic with mounting holes, printing on both sides.	500 x	300		01-4G
			Dimensions in mm			



Test station



Technical data

Complete testing station for inspecting the grounding of personnel via grounding wrist strap and cable or shoes. For mobile use, or can be used with wall mount as a stationary device. 2 measuring ranges:
 Low < 0.9 MOhm
 High 0.9 ...100 MOhm
 Pushbutton connections: 4.5 - 7.7 - 10.3 mm
 Test device complete with contact plate, wall mount and 9 V power supply unit.



Test device
 Contact plate
 Wall mount

Width Depth Height

140 x 75 x 30
 400 x 300
 300 x 210

Order no.

01-4S

Grounding system



Technical data

Earthing module EBP with 3 pushbutton connections with 10 mm Diameter, each with protective resistor 1 MOhm. Connection cable with 4 mm ring cable lug for connection with the ESD table frame, installation material for InForm and EcoTec^{SP} ESD tables



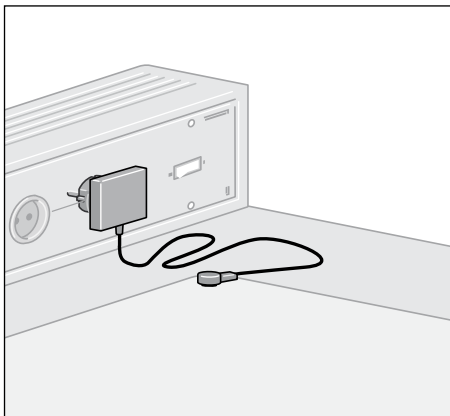
Width Depth Height

78 x 50 x 23

Order no.

01-4Z

Grounding system



Technical data

Earthing module with protective resistor 1 MOhm. ESD ground connection via Schuko socket, Pushbutton 10 mm Ø for connection to table mat. Cable length 1.5 m.



Width Depth Height

Dimensions in mm

Order no.

01-4Y