

ball joint combination SPANNFIX VARIO for clamping + cable

Art.-No.**9-250-ESD****Description**

ball joint combination SPANNFIX VARIO for clamping + cable

Features

Precision ball joint rotatable 360° steplessly lockable quick release

Quality product 100% Made in Germany

with screw head, sturdy plate holder and universal clamping plate

with spring for sensitive boards, angle adapter for greater inclination

PCB holder adjustable from 25 mm to 270 mm

for clamping on, workbenches with max. 80 mm table thickness

inclination angle +/-45°

Incl. ESD grounding cable 1 MOhm, length 1.8 m for connection to an EBP / Earth Bonding Point

materials steel, plastic, cast aluminum with ESD powder coating black, dissipativ 10^7 - 10^8 ohm

Dimensions approx. 310 × 170 × 75 mm

weight 2100 g

**Application and technical data**

Connection thread M12 × 1.5 mm (special thread). Please contact us for suitable adapters.

Maximum torque: ball Ø 40 mm approx. 24 Nm, ball Ø 60 mm approx. 100 Nm

holding force of the ball at the height of the threaded pin: ball Ø 40 mm approx. 45 kg (441N), ball Ø 60 mm approx. 140 kg (1.372N). The clamping force is increased by degreasing the ball.

Clamping base: table thickness max. 80 mm

Screw-base: 4 × 9 mm through holes

Magnetic base: holding force 32 kg horizontally, 15 kg vertically (magnet without cap)

ESD versions dissipative 10^7 and 10^8 ohm

EPA suitable for electrostatically protected areas (ESD workplace / ESD protection zone). The foot sections can be connected to the grounding point with a 10 mm push button.

Cast aluminum parts powder coated

Steel parts chrome-plated, rust-free

For safety-relevant parts, please note that we cannot give a guarantee of the holding forces without knowing your specific application. The ball may behave differently under different physical conditions than it does in our test laboratory in an optimal test environment.

Parts list

Ball joint combination consists of:

9-251 ESD ball joint base SPANNFIX for re-connecting (threaded ends 20 mm)

9-252 ESD head SPANNFIX for screw on (M12×1.5)

9-253 ESD circuit board holder for screw on (M12+1.5)

9-254 ESD universal screw-on plate SPANNFIX for screw on (M12×1.5)

9-255 ESD angular adapter SPANNFIX for screw on (M12×1.5)

9-343-1 ESD grounding cable 1 MOhm, 1800 mm 2 press-studs 10/10 mm