

Bernstein 9-250-ESD. ball joint combination SPANNFIX Vario for clamping + cable

Item no. BS-9-250-ESD

Manufacturer Bernstein

EAN 4250838530064

ball joint combination SPANNFIX VARIO for clamping + cable

TECHNICAL DATA

Ausführungsklasse	ESD (antistatic)
HS-Code	82057000
Weight	0.0099 kg



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

- 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 x 170 x 75 mm
- weight 2100 g

AREA OF APPLICATION

The SPANNFIX VARIO 9-250 offers a variety of different applications due to his changeable head parts. They can be quickly and easily detached from the base and replaced with a screw connection. The SPANNFIX VARIO can be used to clamp PCBs / circuit boards up to a length of 270 mm. Due to

the infinitely adjustable ball, the PCB can be positioned and held securely in all directions. A quick turning of the PCB`s / boards is possible thanks to the adapter.
Very helpful as a third hand when soldering or assembling, useful clamping and holding device with quick clamping mechanism.

TECHNICAL DESCRIPTION

Connection thread M12 x 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 x 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.

CONTENT

Ball joint combination consists of:

- 9-251 ESD ball joint base SPANNFIX for re-connecting (threaded ends 20mm)
- 9-252 ESD head SPANNFIX for screw on (M12x1.5)
- 9-253 ESD circuit board holder for screw on (M12+1.5)
- 9-254 ESD universal screw-on plate SPANNFIX for screw on (M12x1.5)
- 9-255 ESD angular adapter SPANNFIX for screw on (M12x1.5)
- 9-343-1 ESD grounding cable 1 MOhm, 1800mm 2 press-studs 10/10mm