BERNSTEIN clamping vices SPANNFIX constructed on ball-and-socket joints are rotatable easily in all directions and capable of being set securely with maximum working capacity by simple operation. A set screw below the ball socket allows an individual adjusting of the ball power. Long life is guaranteed by highest black powder-coated aluminium casting and surface-refined steel-parts. With a surface resistance between $10^7$ and $10^8 \, \Omega$ the ESD types ensure a safe dissipation of static charges.

**SPANNFIX VICES**

with dissipative surface

**9-205 ESD**  
SPANNFIX screw-on vice  
with dissipative surface  
for work benches or laboratory tables  
with max. table thickness of 80 mm  
Technical data:  
- Clamping pressure: 150 kp  
- Clamping capacity: 70 mm  
- Clamping depth: 38 mm  
- Jaw width: 50 mm  
- Interchangeable plastic jaws from dissipative material - Art.-No. 9-206-50 ESD  
Weight: 1.450 kg

**9-251 ESD**  
Universal clamp base with dissipative surface  
with ball joint and threaded stud M 12 x 1.5, for work benches or laboratory tables with max. table thickness of 80 mm  
Weight: 0.950 kg

**9-252 ESD**  
Screw-on mounting vice with dissipative surface  
Technical data: see 9-205 ESD  
Weight: 0.560 kg

**9-253 ESD**  
Circuit board holder  
adjustable from 25 mm to 270 mm clamping capacity, correct setting by adjusting the centre position, firm clamping of the printed circuit by built-in resilience in the locating arms, height of locating arms 70 mm  
Weight: 0.280 kg

**9-255 ESD**  
Angular adapter with dissipative surface  
to permit a larger turning circle when using 9-253  
Gewicht: 0.095 kg

**9-256**  
Clamping lid for circuit boards with components  
covered with 20 mm thick ESD foam  
Components of different sizes are pressed in such a way that soldering can be carried out correctly after the circuit board holder has been turned.  
Size of cover: 240 x 130 mm  
Use: in conjunction with circuit board holder 9-253  
Weight: 0.260 kg

**9-257 ESD**  
Rapid turning device with dissipative surface  
with permanently connected angular adapter, permits swift rotation of the circuit board holder with the PCB and clamping lid through 180°.  
Weight: 0.270 kg
CLAMPING VICES SPANNFIX

BERNSTEIN clamping vices SPANNFIX constructed on ball-and-socket joints are rotatable easily in all directions and capable of being set securely with maximum working capacity by simple operation. A set screw below the ball socket allows an individual adjusting of the ball power. Long life is guaranteed by highest powder-coated Alu-casting and surface-refined steel-parts.

SMALL VICE SPANNFIX

The Spannfix vice simplifies many jobs in precision engineering, in laboratories, in test rooms, in all mechanical and electronical workshops as well as in different medical areas.

9-205 **BERNSTEIN SPANNFIX** screw-on vice

for work benches with a max. table thickness of 80 mm.
The small vice with ball-and-socket joint can be mounted quickly and easily onto a work bench or table. Slight pressure on the lever is sufficient, and the clamped workpiece can be moved into any suitable position.

Technical data:
- Clamping pressure 150 kp
- Clamping capacity 70 mm
- Clamping depth 38 mm
- Jaw width 50 mm
- Jaws (interchangeable) plastic

Weight: 1.450 kg Alu-jaws on request

9-215 **BERNSTEIN SPANNFIX** for permanent mounting using bolts

Technical data as 9-205
Size of base: 150 x 105 mm
Weight: 1.350 kg

9-220 **BERNSTEIN SPANNFIX VICE WITH VACUUM BASE**

for portable applications

(consisting of 9-211 and 9-215)
Technical data as 9-205
Size of base: 150 x 105 mm
Weight: 2.000 kg

SPANNFIX FOR SPECIAL POSITIONINGS

The universal Spannfix ball-and-socket joint base enables an exact and secure adjustment in all directions, e. g. of optoelectronic measuring instruments, of monitors and observation cameras.

9-251 **Universal clamp mounting ball joint base with threaded stud M 12 x 1.5**

for screwing onto work benches with a max. table thickness of 80 mm
Weight: 0.950 kg

**SPANNFIX bench mounted base with universal ball joint and threaded stud M 12 x 1.5**

for permanent mounting using bolts

9-261 Size of base: 150 x 105 mm
Weight: 0.800 kg

9-281 Size of base: 110 x 72 mm
with four bore-holes of 6 mm Ø for covered inside screwing
Weight: 0.750 kg

**SPANNFIX VACUUM BASE with ball joint and threaded stud M 12 x 1.5**

(consisting of 9-211 and 9-261)
Weight: 1.500 kg

9-210 **SPANNFIX VACUUM BASE only**
to be used in conjunction with 9-215 or 9-261
Weight: 0.650 kg
CLAMPING EQUIPMENT SPANNFIX COMBINATIONS

Individual components

9-251 **Universal clamp mounting ball joint base**
with threaded stud M 12 x 1.5
for screwing onto work benches
with a max. table thickness of 80 mm
Weight: 0.950 kg

9-252 **Screw-on mounting vice**
Technical data:
- Clamping pressure: 150 kp
- Clamping capacity: 70 mm
- Clamping depth: 38 mm
- Jaw width: 50 mm
Weight: 0.560 kg
Jaws (interchangeable) plastic

9-253 **Circuit board holder**
adjustable from 25 mm to 270 mm clamping capacity, correct
setting by adjusting the centre position, firm clamping of the
printed circuit by built-in resilience in the locating arms,
height of locating arms 70 mm.
Weight: 0.280 kg
If the circuit board holder is to be used with universal ball joint
base 9-251, we recommend that the combination is used with
angular adapter 9-255 or with rapid turning device 9-257 in order
to obtain a larger turning circle.

9-254 **Universal screw-on plate**
Slots made for commonly used standard bolts, for holding of e. g.
tuner, line output transformer, small loudspeaker etc. or prototypes
Weight: 0.120 kg

9-255 **Angular adapter**
to be used as an additional attachment with every work mount,
permits an even larger turning circle.
Weight: 0.095 kg

9-256 **Clamping lid for circuit boards with components**
covered with 20 mm thick foamed ESD plastic.
Components of different sizes are pressed in such a way that
soldering can be carried out correctly after the circuit board holder
has been turned.
Size of cover: 240 x 130 mm
Use: in conjunction with circuit board holder 9-253
Weight: 0.260 kg

9-257 **Rapid turning device**
with permanently connected angular adapter, permits swift
rotation of the circuit board holder with the PCB and clamping
lid through 180°.
Weight: 0.270 kg

9-250 **BERNSTEIN SPANNFIX-VARIO assembly vice**
5 piece set
with following interchangeable screw-on work mounts
9-251, 9-252, 9-253, 9-254 and 9-255
Weight: 2.000 kg

9-260 **BERNSTEIN SPANNFIX-VARIO assembly vice**
5-piece set
with following interchangeable screw-on work mounts
9-261, 9-252, 9-253, 9-254 and 9-255
Weight: 1.900 kg

9-270 **BERNSTEIN SPANNFIX-VARIO-PLUS clamping combination**
Tailor-made combination of the following individual components:
9-251, 9-257, 9-253, 9-256
Weight: 1.800 kg