



BERNSTEIN
TOOLS FOR ELECTRONICS

NEW

1,2,3,4...
GOOD REASONS
TO GO BACK!

All information about our new
SPANNFIX 4.0 – THE NEXT GENERATION
are on the pages 16-17.



9-290

NEW

SPANNFIX 4.0 THE NEXT GENERATION



OUR EVOLUTION OF THE SPANNFIX MAXI

Featuring a jaw width of 100 mm, the SPANNFIX 4.0 is the largest ball-joint vice on the market and will win you over with its clamp pins, interchangeable jaws, centering lug and fantastic ball clamping force.

The ball joint allows the head of the Spannfix to be turned 360° and tilted up to 90°. Work can be performed at every angle imaginable. Different shapes no longer present a problem. It doesn't matter if the workpiece is round or angular, the user can clamp anything.

The four tensioning studs suit the product in shape and size. They can be rotated about their axes and firmly grip any object. The centering lug allows for vertical work. The workpiece can be held level and worked on.

In addition to the clamping studs, the Spannfix features a profiled steel jaw that was designed as a reversible jaw and can be replaced. It has a smooth side as well as a side with a stepped edge and two vertical notches that prevent rods and bolts from sliding.

An integrated ruler offers the possibility to read the clamping depth directly on the vice. That way you can get the most out of the 105 mm clamping width.

The innovative base including table clamp enables the SPANNFIX to be mounted to straight table edges of up to 80 mm, and even to the table corner itself – the optimal position to use the Spannfix 4.0's entire working radius of 330 mm.

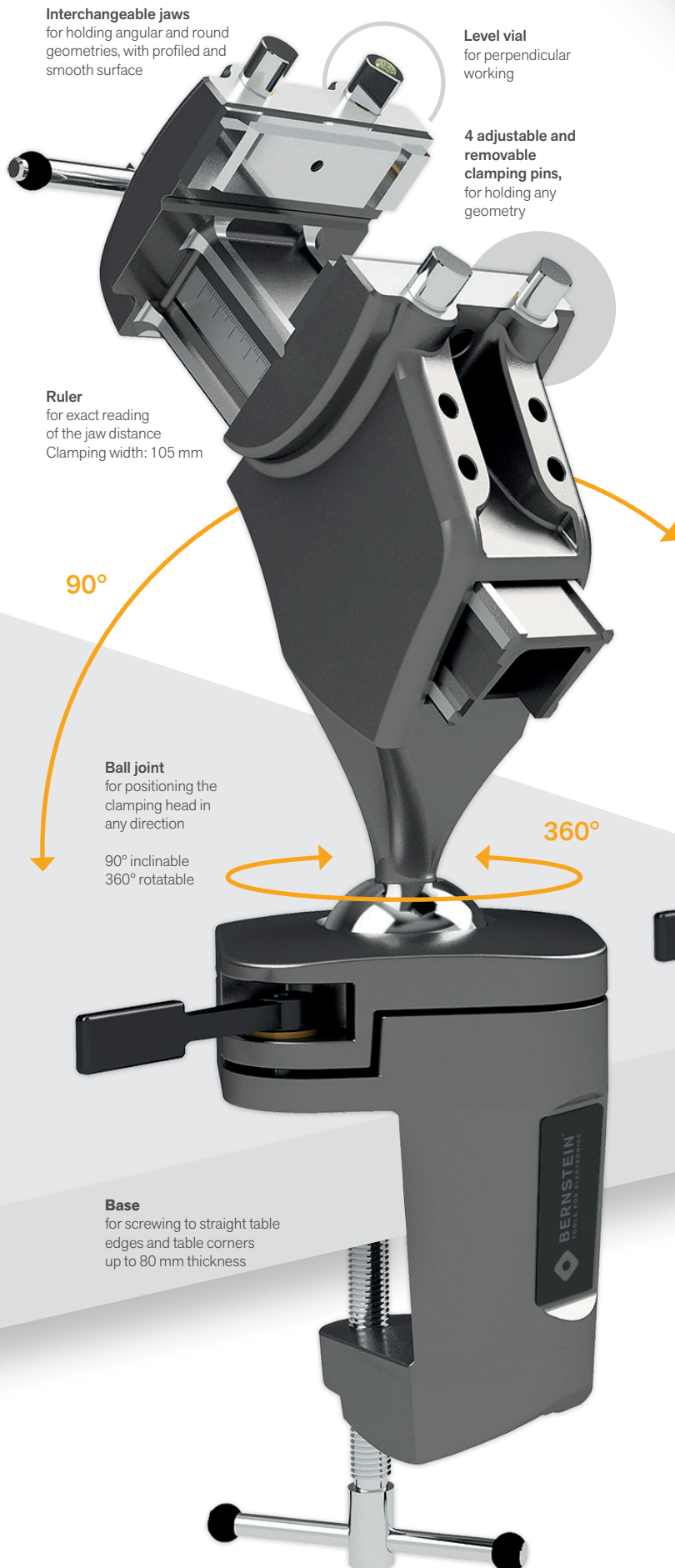
TECHNICAL FACTS:

Material:	Aluminium casting with chromed steel parts
Colour:	structured powder coating in dark grey metallic
Dimensions:	450 x 220 x 200 mm (dimensions for orientation)
Weight:	5500 g
Clamping pressure:	2940 N
Clamping width:	105 mm
Clamping depth:	50 mm
Jaw width:	100 mm
Table thickness:	up to max. 80 mm
Working radius:	330 mm (from ball centre)





Click here for the product film!



The following types are available:

9-290 Ball joint vice
SPANNFIX 4.0 for clamping on

9-291 Ball joint vice
SPANNFIX 4.0 base with
clamping screws (M12x1.5)



Suitable for straight table edges and table corners

SPANNFIX – CLAMPING TOOLS WITH BALL JOINT

WHAT OUR CLAMPING TOOLS DISTINGUISHES

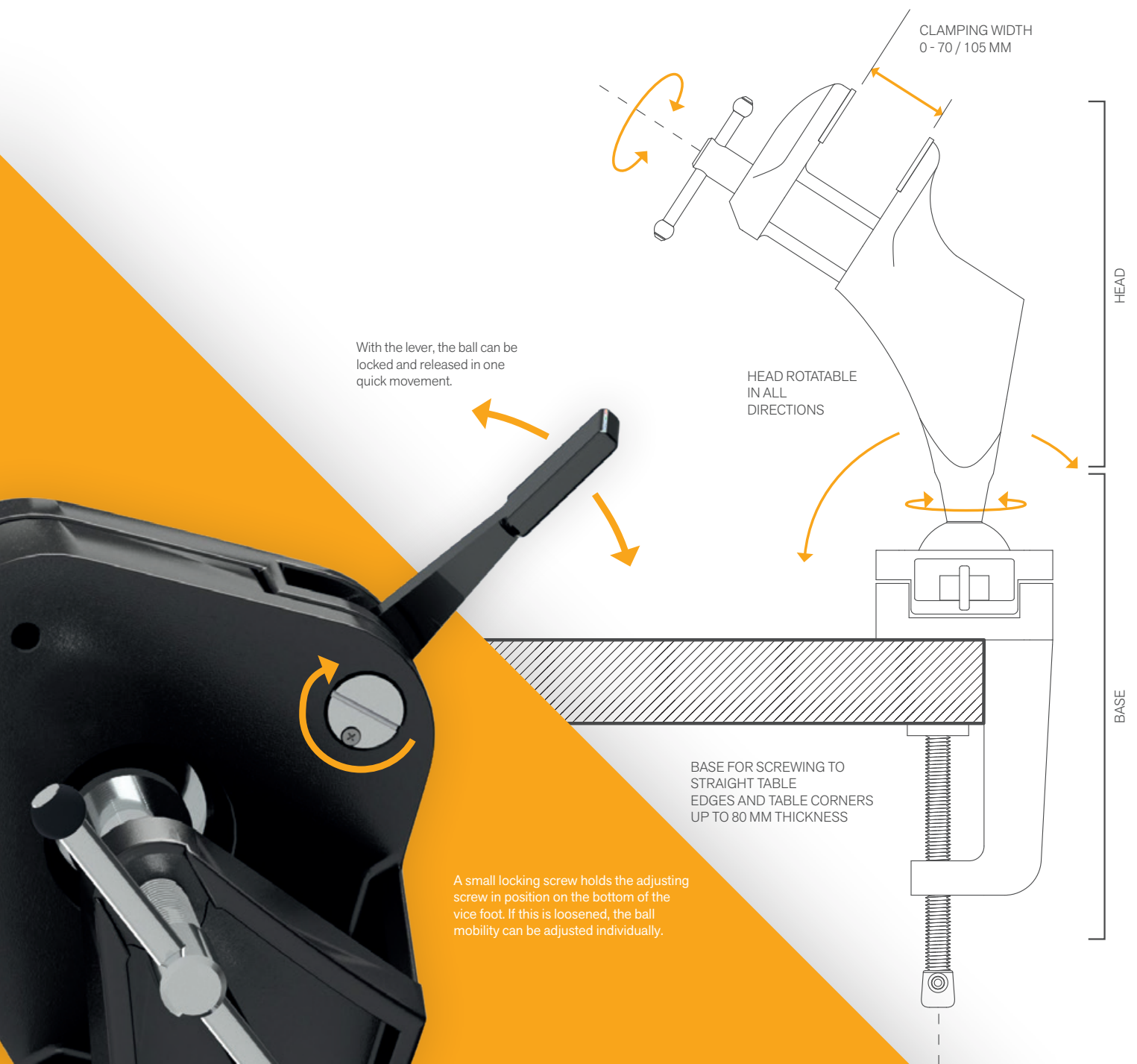
The SPANNFIX is a multifunctional vice with a flexible head and many possible applications.

By using the high-quality ball joint, the SPANNFIX head can be tilted and fixed in any direction and offers optimum hold in any position.

The ball mobility can be individually adjusted with the help of an adjusting screw on the lower seat of the ball.

The ball is fixed and released with a simple movement of the lever.

Long service life is guaranteed by the high-quality, powder-coated cast aluminium and surface-coated steel parts.



NEW

MODELS AND TYPES

The Spannfix is available in the models STANDARD, VARIO, MAXI and 4.0. The STANDARD and VARIO models are also manufactured in different colours. The Spannfix VARIO offers the possibility to combine bases with different heads for various applications.

Bases by BERNSTEIN are frequently used for mounting customers' own constructions.

The item numbers shown in the table are described in the following pages.



Model	STANDARD		VARIO			SPANNFIX MAXI	SPANNFIX 4.0
Construction	solid		modular			solid	solid
Jaw width/,aterial	50 mm / plastic		50 mm / plastic			100 mm / steel	100 mm / steel
Features	Components are firmly connected to each other		Head and base can be individually combined with one another (except Art.-No. 9-262)			Large design, components are firmly connected to each other	Large design, components are firmly connected to each other
Colour variations	dark grey	ESD black	dark grey	ESD black	black	dark grey	dark grey
Surfaces	structured	smooth, silky gloss	structured	smooth, silky gloss	fine structured, dull	structured	structured
Product variants Art.-No.	9-205	9-205 ESD	9-240			9-225	9-290
	9-215	9-215 ESD	9-250			9-226	
			9-270				
Bases Art.-No.			9-251	9-251ESD	9-251 SW	9-227	9-291
			9-261	9-261ESD	9-261 SW	9-228	
			9-262		9-262 SW	9-229	
			9-281	9-281ESD	9-281 SW		With many new features!
					9-284 SW		
Heads Art.-No.			9-252	9-252 ESD			Find out more on the following page!
				9-253 ESD			
				9-255 ESD			
			9-254				
			9-257 ESD				
Spare jaws Art.-No.	9-900-0181 ESD (single) 9-900-E50-ESD (pair)		9-900-0181 ESD (single) 9-900-E50-ESD (pair)			9-900-0766-1	9-900-0773-1
Protective jaws	Available in different versions see following page						

With many new features!

Find out more on the following page!

SPANNFIX MAXI - PRODUCT VARIANTS

► 9-226

Ball joint vice SPANNFIX MAXI for CLAMPING ON



The SPANNFIX MAXI 9-226 is suitable for all workbenches and surfaces due to its screw-on base. With the help of the four through holes (Ø 10 mm), the vice can be attached to any table top. One press of the lever is all it takes to fix the clamped workpiece in any position.

Clamping pressure: 2940 N
 Clamping width: 100 mm
 Clamping depth: 50 mm
 Jaw width : 100 mm
 Jaws: Steel, smooth and corrugated, reversible and replaceable



Position as shown:
 approx. 380 x 230 x 150 mm
 (dimensions for orientation)



Weight: 3600 g



SPANNFIX MAXI - BASES

► 9-227

Ball joint base SPANNFIX MAXI for CLAMPING ON

Colour dark grey metallic, surface structured
 inclination angle: $\pm 45^\circ$
 Threaded pin: M 12 x 1.5
 Threaded pin length: 12 mm
 Weight: 2220 g



9-227

► 9-228

Ball joint base SPANNFIX MAXI for SCREWING ON

Colour dark grey metallic, surface structured
 inclination angle: $\pm 45^\circ$
 Base plate size: 190 x 155 mm (holes Ø 10 mm)
 Threaded pin: M 12 x 1.5
 Threaded pin length: 12 mm
 Weight: 1850 g



9-228

► 9-229

Ball joint base SPANNFIX MAXI for SCREWING ON

Colour dark grey metallic, surface structured
 inclination angle: $\pm 45^\circ$
 Base plate size: 190 x 155 mm (holes Ø 10 mm)
 Threaded pin: M 12 x 1.5
 Threaded pin length: 25 mm
 Intake area: Ø 40 mm
 Weight: 1900 g



9-229

EQUIPMENT - PROTECTIVE JAWS

As an addition, we offer various types of protective jaws which can be fixed to the steel jaws by magnets.

Plastic protective jaws with felt

One-sided felt covering/grooves, mit magnetic stripes

100 mm	125 mm	150 mm
9-900-S6100	9-900-S6125	9-900-S6150

Plastic protective jaws

Smooth on one side/grooves, mit magnetic stripes

100 mm	125 mm	150 mm
9-900-S7100	9-900-S7125	9-900-S7150

Aluminum protective jaws with rubber

One-sided rubber covering/smooth, with 2 magnets

100 mm	125 mm	150 mm
9-900-S8100	9-900-S8125	9-900-S8150

Aluminum protective jaws

with tread grooves/smooth, mit 2 magnets

100 mm	125 mm	150 mm
9-900-S9100	9-900-S9125	9-900-S9150



SPANNFIX STANDARD – PRODUCT VARIANTS

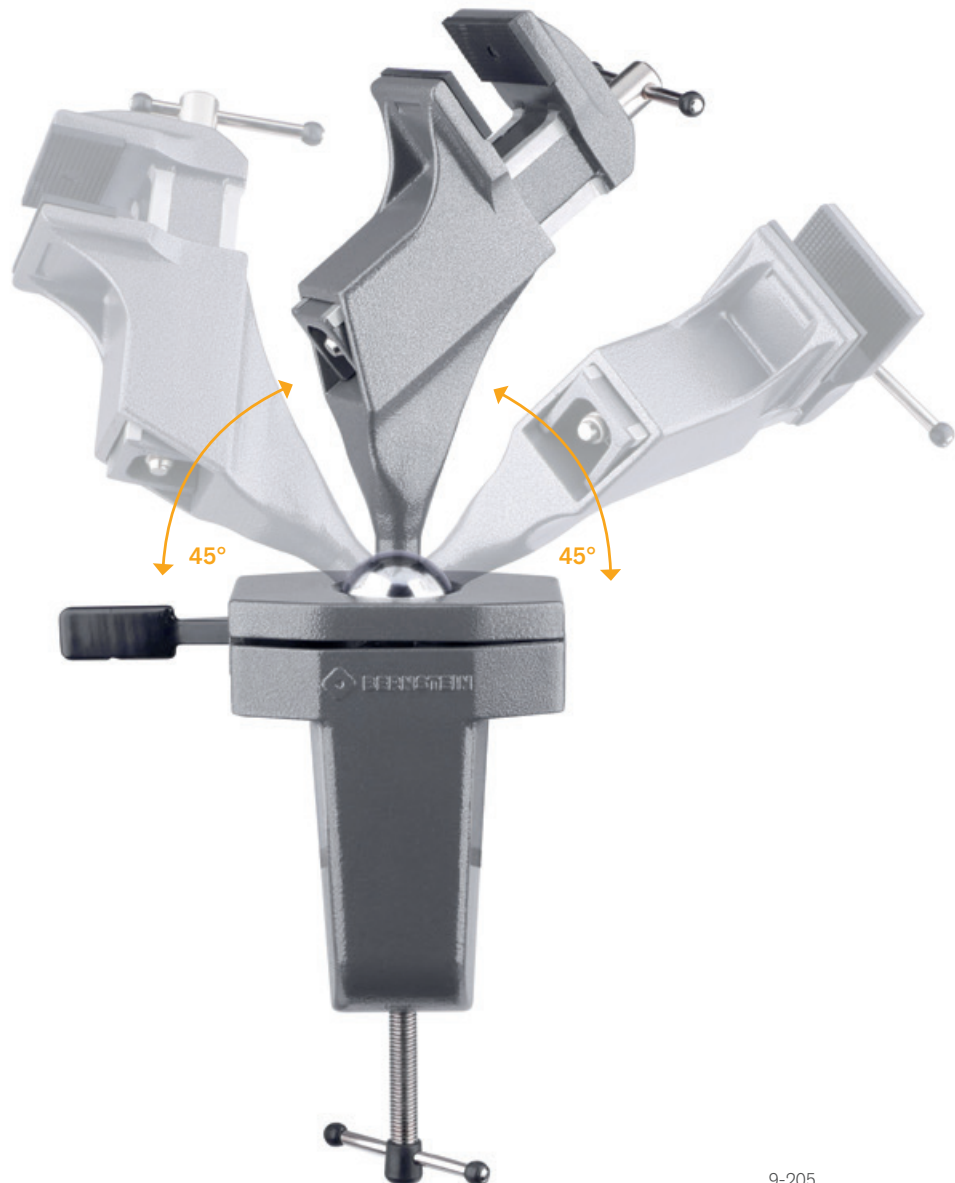
► 9-205

Ball joint vice SPANNFIX for CLAMPING ON



The SPANNFIX 9-205 is suitable for workbenches or work areas with a maximum table top thickness of up to 80 mm. The small vice with a ball joint can be attached quickly and easily to any workbench or worktop due to its table clamp. A small pressure of the lever is sufficient and the clamped workpiece can be fixed steplessly and in any practical working position.

Clamping pressure:	1470 N
Clamping width:	70 mm
Clamping depth:	38 mm
Jaw width:	50 mm



Position as shown:
ca. 310 x 160 x 75 mm
(dimensions for orientation)



Total weight: 1450 g

SPANNFIX STANDARD – PRODUCT VARIANTS

► 9-215

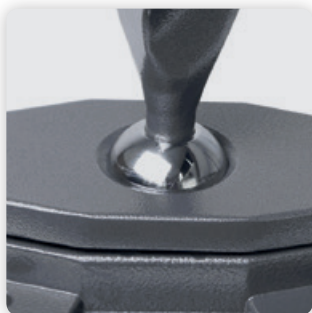
Ball joint vice SPANNFIX for SCREWING ON



The SPANNFIX 9-215 is suitable for all workbenches and surfaces due to its screw-on base. The vice can be attached to any table top using the four through holes (Ø 9 mm). A small pressure of the lever is sufficient and the clamped workpiece can be fixed steplessly and in any practical working position.

Clamping pressure:	1470 N
Clamping width:	70 mm
Clamping depth:	38 mm
Jaw width:	50 mm

Also available in ESD:
9-215 ESD



Position as shown:
ca. 220 x 160 x 115 mm
(dimensions for orientation)



Total weight: 1310 g



9-215

► 9-205 ESD

ESD ball joint vice SPANNFIX for CLAMPING ON, dissipative



The SPANNFIX 9-205 ESD with dissipative powder coating is suitable for workbenches or work areas with a maximum table top thickness of up to 80 mm. The small vice with ball joint is quick and easy to attach to any workbench or table top due to its table clamp. A small pressure of the lever is sufficient and the clamped workpiece can be fixed steplessly and in any practical working position.

Clamping pressure:	1470 N
Clamping width:	70 mm
Clamping depth:	38 mm
Jaw width:	50 mm
Bleeder resistor:	10 ⁶ - 10 ⁹ Ohm



with grounding point



Position as shown:
ca. 310 x 160 x 75 mm
(dimensions for orientation)



Total weight: 1450 g

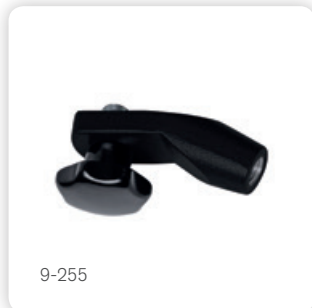
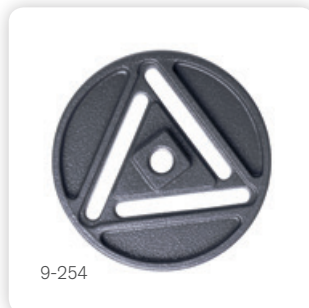
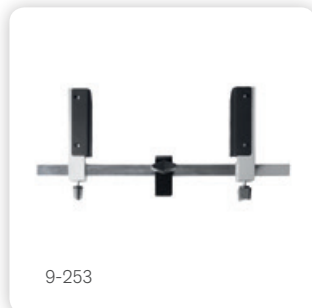


9-205 ESD

SPANNFIX VARIO – PRODUCT VARIANTS

► 9-250

Ball joint combination SPANNFIX VARIO 5 pcs



The three VARIO sets differ in the number of their replaceable SPANNFIX heads. The basic equipment includes the base with a table clamp as well as an adapter for holding the circuit board holder. The sets 9-250 and 9-240 include the simple angular adapter, while the 9-270 includes the practical quick turning device. The SPANNFIX 9-250 VARIO is additionally supplied with the SPANNFIX clamping head and a universal clamping plate. Due to their table clamping, all sets are can be attached quickly and easily to any workbench or plate. A small pressure of the lever is all it takes to fix the head in any position.



► Description of the individual parts (for 9-250, 9-240, 9-270)

Art.-No.	Description
9-251	Ball joint base SPANNFIX for clamping on (threaded pin 12 mm)
9-252	Screw head SPANNFIX for screwing on (M12 x 1,5)
9-253	Circuit board holder for screwing on (M12 x 1,5)
9-254	Universal clamping plate SPANNFIX for screwing on (M12 x 1,5)
9-255	Angular adapter SPANNFIX for screwing on (M12 x 1,5)
9-256	Clamping lid SPANNFIX equipment for Art.-No. 9-253
9-257	Quick turning device SPANNFIX equipment for Art.-No. 9-253



Position as shown:
ca. 310 x 160 x 75 mm
(dimensions for orientation)

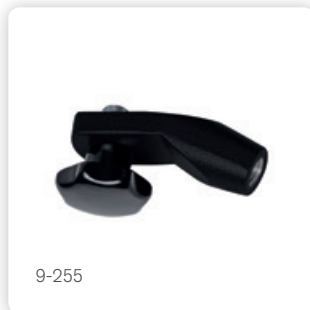
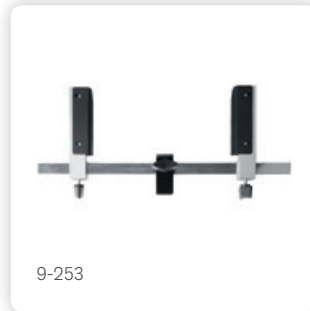


Total weight: 2100 g

SPANNFIX VARIO – PRODUCT VARIANTS

► 9-240

Ball joint combination SPANNFIX VARIO 3 pcs



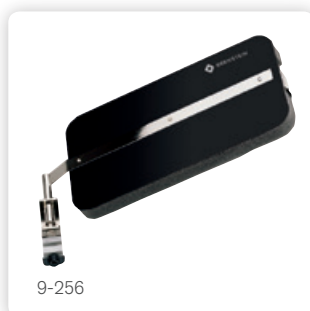
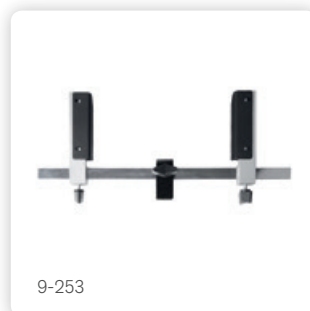
Position as shown:
ca. 360 x 280 x 180 mm
(dimensions for orientation)



Total weight: 1330 g

► 9-270

Ball joint combination SPANNFIX VARO-PLUS 4 pcs



Position as shown:
ca. 410 x 300 x 240 mm
(dimensions for orientation)



Total weight: 1560 g