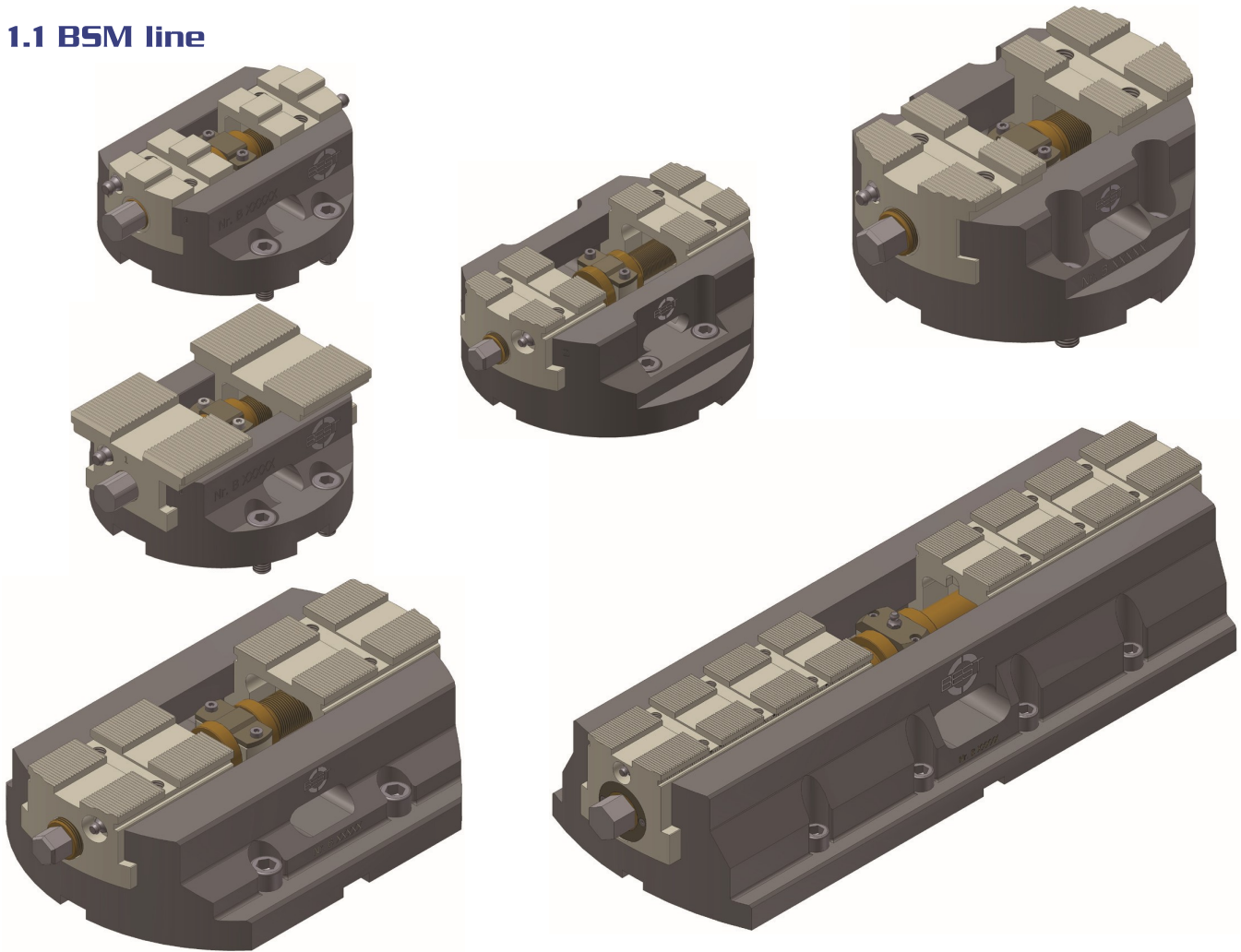


1. Mechanical centric vices

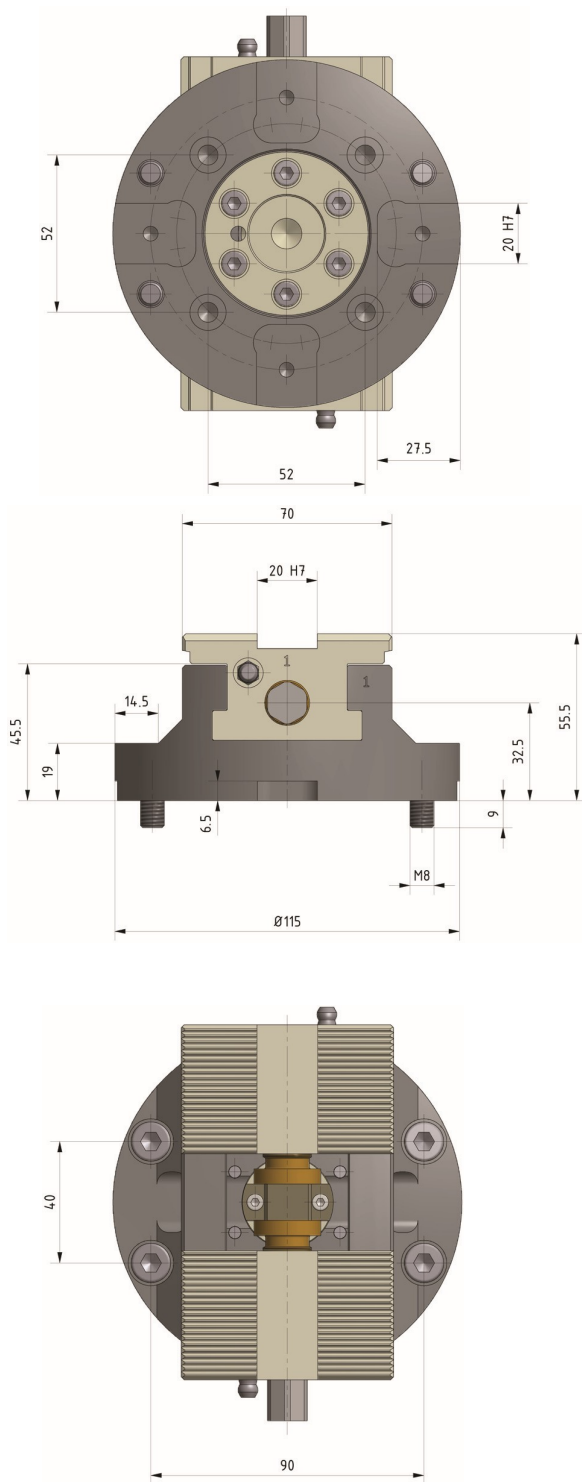
1.1 BSM line



Advantages of BSM centric vices:

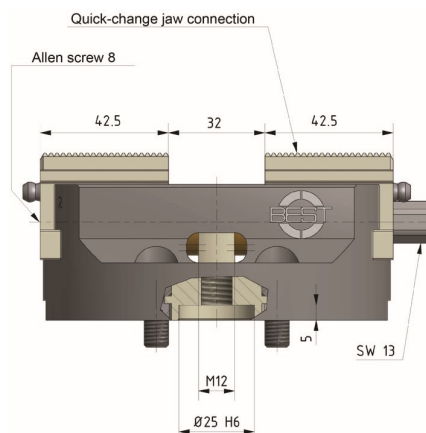
- Low-obstruction contours and extremely flat design for optimum flexibility and multi-axis machining centres
- Extremely high clamping forces (up to 100 kN)
- Up to 50 mm stroke / jaw
- Housing sizes from 115 mm to 500 mm
- Repetition accuracy of 0.005 mm (with ground-in jaws)
- Centring accuracy of +/- 0.01 mm (with ground in jaws)
- Jaw widths of up to 500 mm
- Combined quick-change jaw connection and tongue and groove from model size BSM140 onward
- Ground-in threaded spindle
- Low wear due to nitrogen-hardened surfaces
- Depending on requirements, the BSM centric vice can be screwed conventionally to the machining table or used as a RPC zero-point centric vice on the BEST Realpoint system
- The BSM centric vice can be adapted for use with zero-point systems of other manufacturers

1.1.1 Mechanical centric vice BSM-115-SWBA

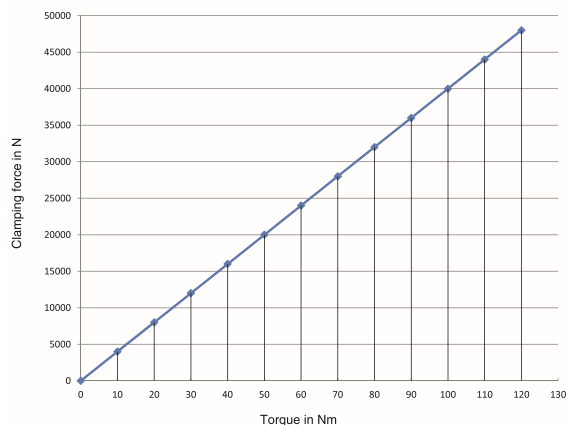


Technical data:

Order number:	200-0115-012
Designation:	BSM-115-SWBA
Installation length:	Ø 115 mm
Installation height:	55.5 mm
Weight:	2.96 kg
Clamping range:	0 – 100 mm
Stroke per jaw:	15 mm
Max. torque:	120 Nm
Max. clamping force:	48 kN
Jaw connection:	Quick-change



Clamping force – torque BSM-115

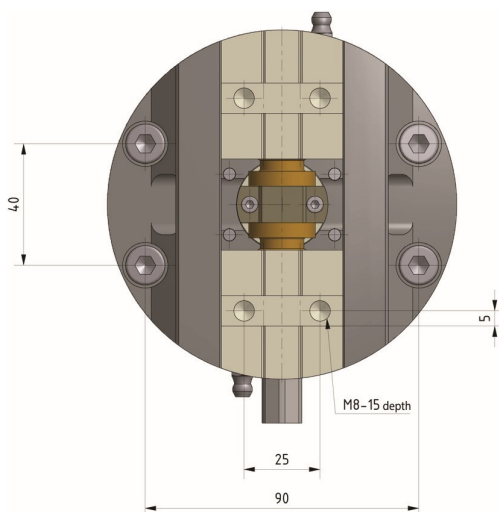
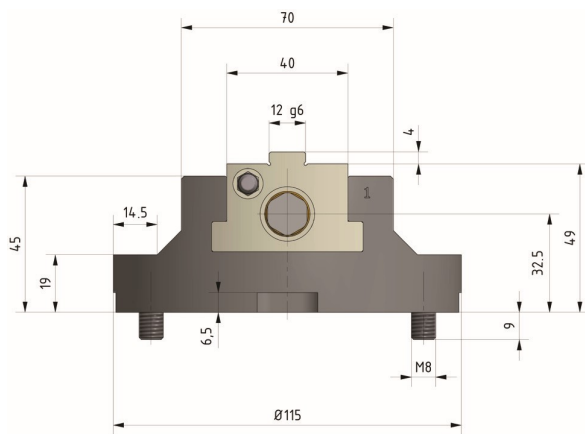
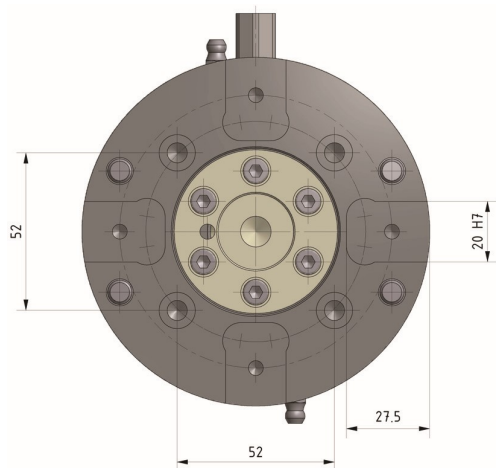


Installation options for the BSM-115-SWBA:

- The centric vice BSM-115-SWBA can be attached to the machining table from the top using screws or steel ties or on a pallet using screws or clamps.
- The BSM-115-SWBA can be quickly upgraded to an RPC-115-SWBA zero-point centric vice (see page 41) simply by fitting a tightening bolt and two alignment bolts (see page 47).

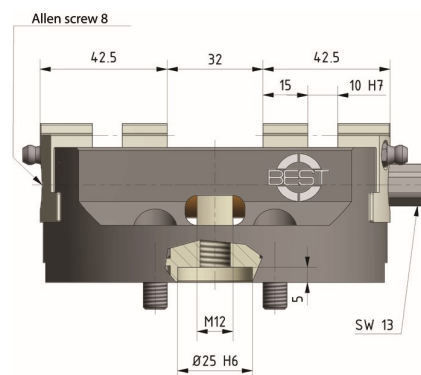
You can find the corresponding jaws for the centric vice on pages 30 to 32.

1.1.2 Mechanical centric vice BSM-115-KV

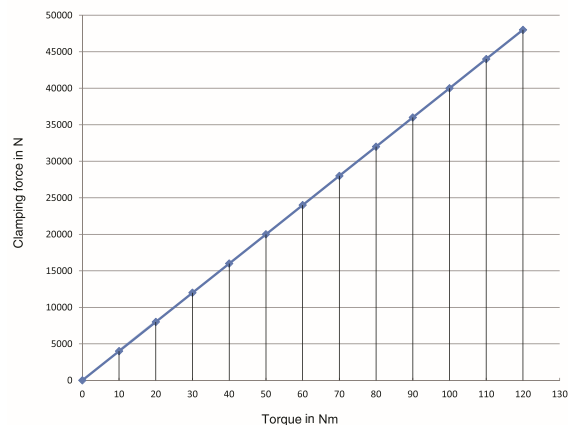


Technical data:

Order number:	200-0115-014
Designation:	BSM-115-KV
Installation length:	Ø 115 mm
Installation height:	49 mm
Weight:	2.96 kg
Clamping range:	0 – 100 mm
Stroke per jaw:	15 mm
Max. torque:	120 Nm
Max. clamping force:	48 kN
Jaw connection:	Tongue and groove



Clamping force – torque BSM-115



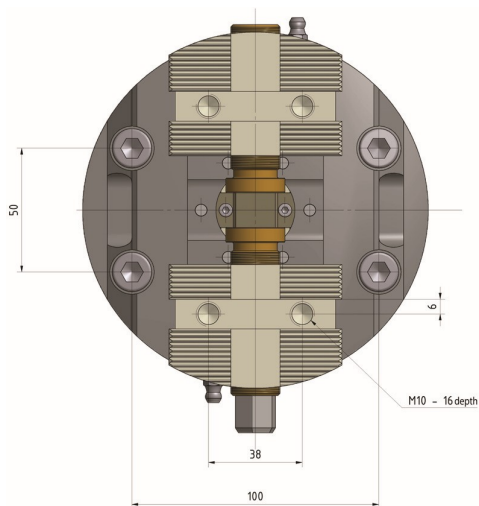
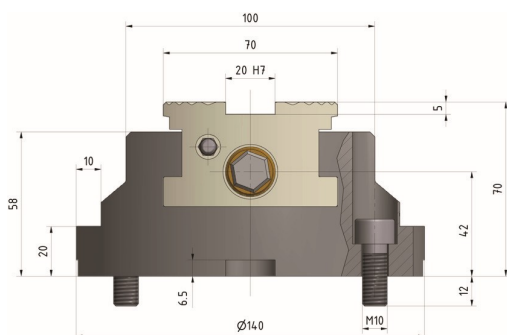
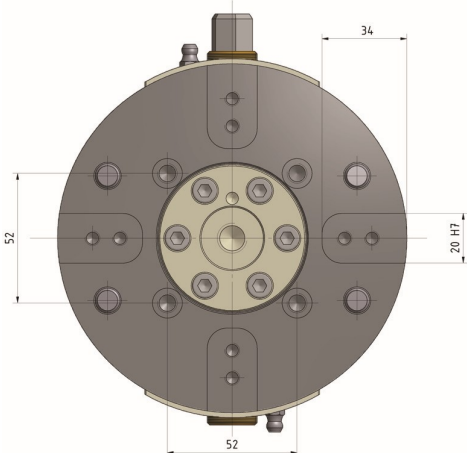
Installation options for the BSM-115-KV:

- The centric vice BSM-115-KV can be attached to the machining table from the top using screws or steel ties or on a pallet using screws or clamps.
- The BSM-115-KV can be quickly upgraded to an RPC-115-KV zero-point centric vice (see page 41) simply by fitting a tightening bolt and two alignment bolts (see page 47).

You can find the corresponding jaws for the centric vice on pages 33 to 37.

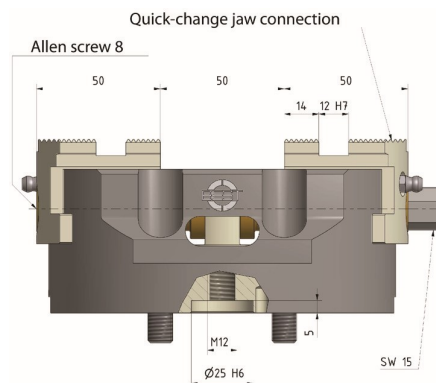


1.1.3 Mechanical centric vice BSM-140

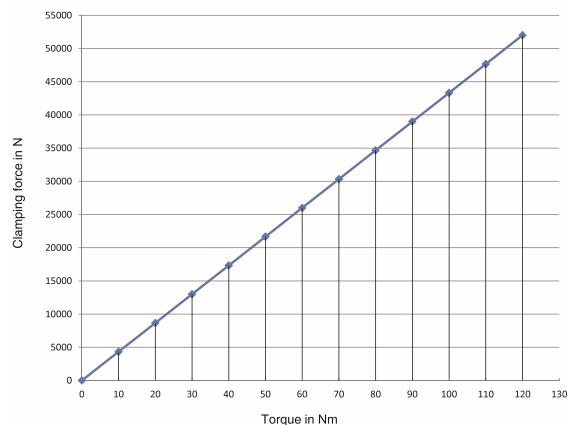


Technical data:

Order number:	200-0140-010
Designation:	BSM-140
Installation length:	Ø 140 mm
Installation height:	70 mm
Weight:	5.6 kg
Clamping range:	0 – 120 mm
Stroke per jaw:	25 mm
Max. torque:	120 Nm
Max. clamping force:	52 kN
Jaw connection:	Quick-change and tongue and groove



Clamping force – torque BSM-140

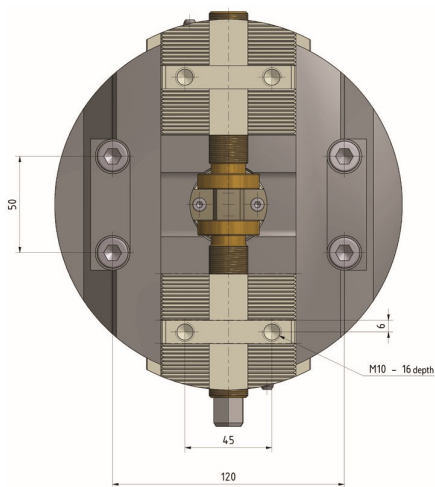
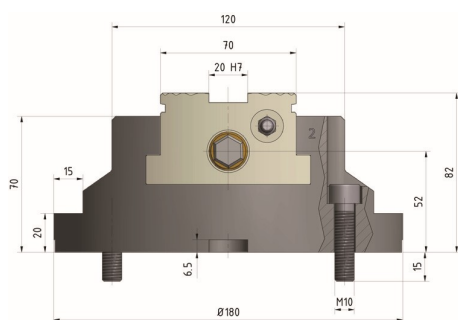
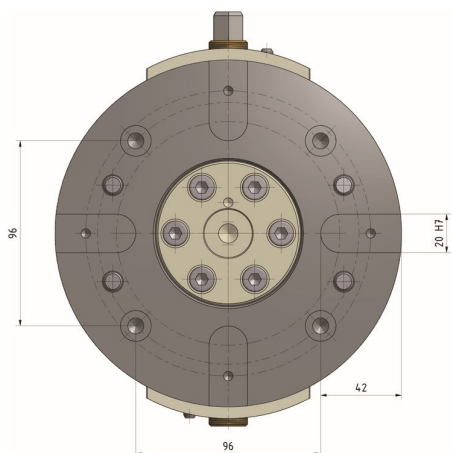


Installation options for the BSM-140:

- The centric vice BSM-140 can be attached from the top to the machining table using screws or steel ties or on a pallet using screws or clamps.
- The BSM-140 can be quickly upgraded to an RPC-140 zero-point centric vice (see page 41) simply by fitting a tightening bolt and two alignment bolts (see page 47).

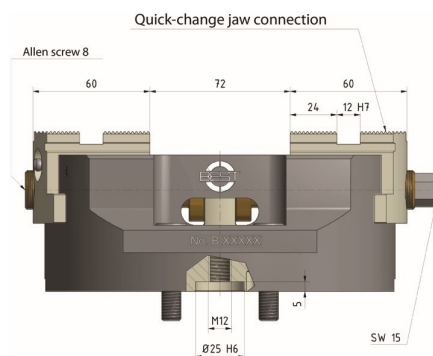
You can find the corresponding jaws for the centric vice on pages 30 to 37.

1.1.4 Mechanical centric vice BSM-180

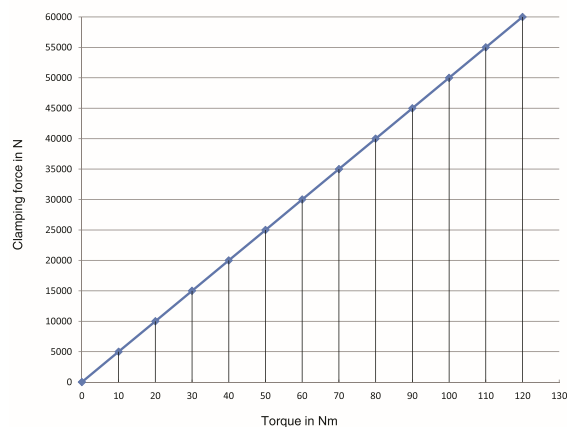


Technical data:

Order number:	200-0180-010
Designation:	BSM-180
Installation length:	Ø 180 mm
Installation height:	82 mm
Weight:	10.9 kg
Clamping range:	0 – 160 mm
Stroke per jaw:	35 mm
Max. torque:	120 Nm
Max. clamping force:	60 kN
Jaw connection:	Quick-change and tongue and groove



Clamping force – torque BSM-180

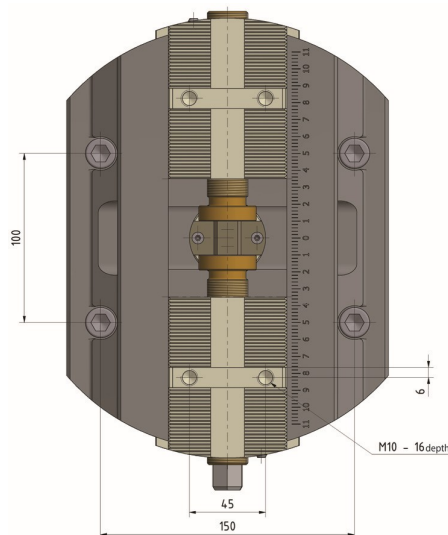
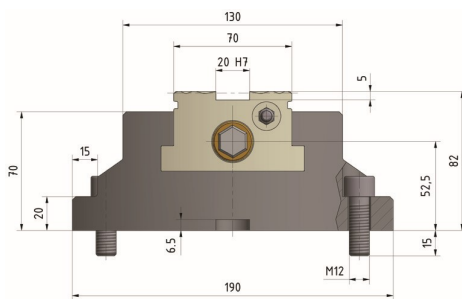
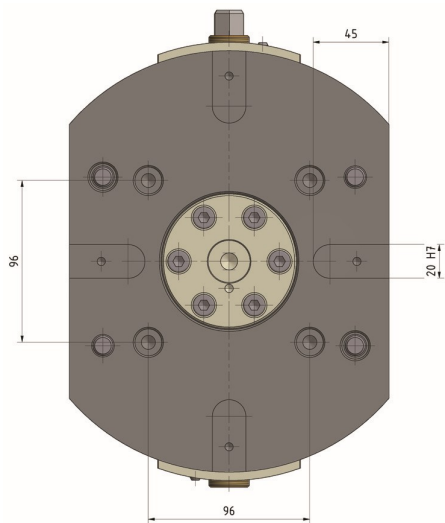


Installation options for the BSM-180:

- The centric vice BSM-180 can be attached from the top to the machining table using screws or steel ties or on a pallet using screws or clamps.
- The BSM-180 can be quickly upgraded to an RPC-180 zero-point centric vice (see page 41) simply by fitting a tightening bolt and two alignment bolts (see page 47).

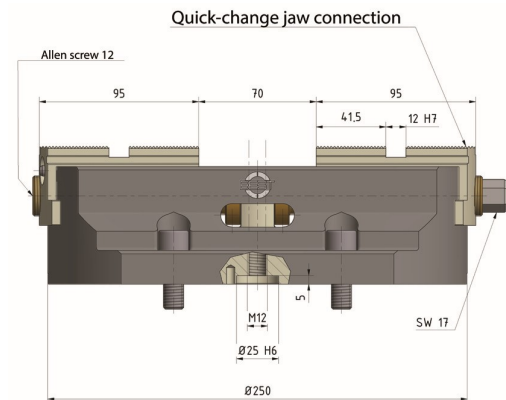
You can find the corresponding jaws for the centric vice on pages 30 to 37.

1.1.5 Mechanical centric vice BSM-250

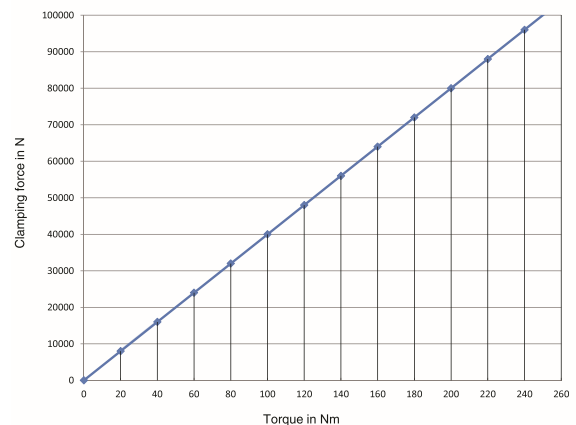


Technical data:

Order number:	200-0250-010
Designation:	BSM-250
Installation length:	Ø 250 mm
Installation height:	82 mm
Weight:	19 kg
Clamping range:	0–250 mm
Stroke per jaw:	35 mm
Max. torque:	250 Nm
Max. clamping force:	100 kN
Jaw connection:	Quick-change and tongue and groove



Clamping force – torque BSM-250

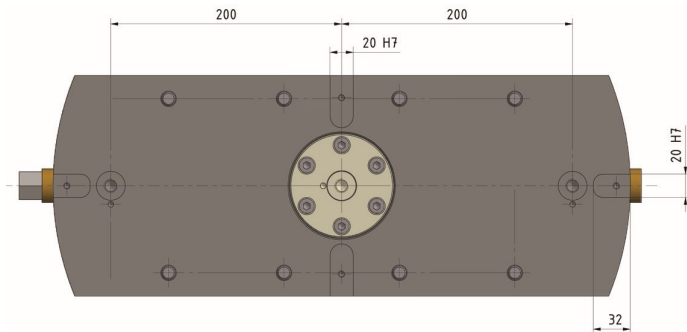


Installation options for the BSM-250:

- The centric vice BSM-250 can be attached from the top to the machining table using screws or steel ties or on a pallet using screws or clamps.
- The BSM-250 can be quickly upgraded to an RPC-250 zero-point centric vice (see page 41) simply by fitting a tightening bolt and two alignment bolts (see page 47).

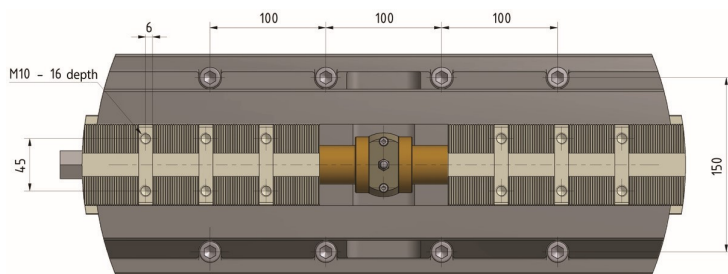
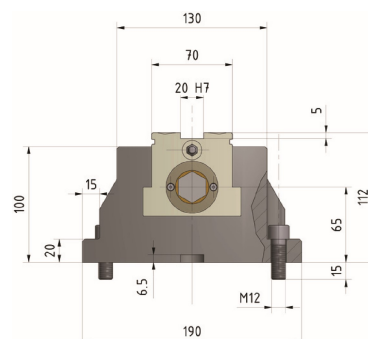
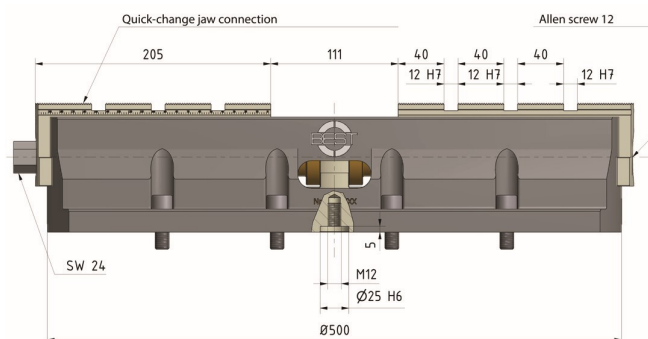
You can find the corresponding jaws for the centric vice on pages 30 to 37.

1.1.6 Mechanical centric vice BSM-500

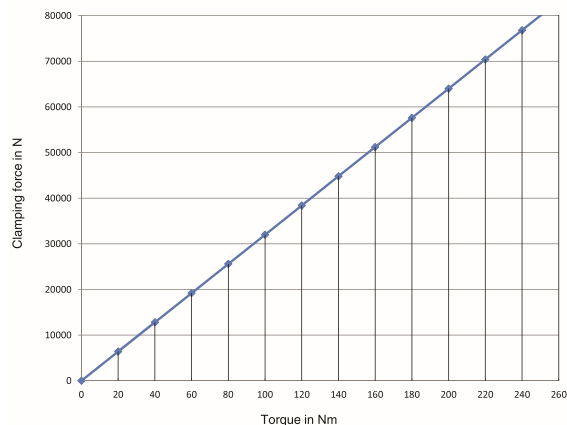


Technical data:

Order number:	200-0500-010
Designation:	BSM-500
Installation length:	500 mm
Installation height:	112 mm
Weight:	59 kg
Clamping range:	0–500 mm
Stroke per jaw:	55 mm
Max. torque:	250 Nm
Max. clamping force:	80 kN
Jaw connection:	Quick-change and tongue and groove



Clamping force – torque BSM-500



Installation options for the BSM-500:

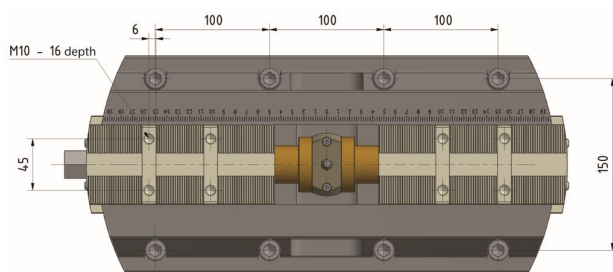
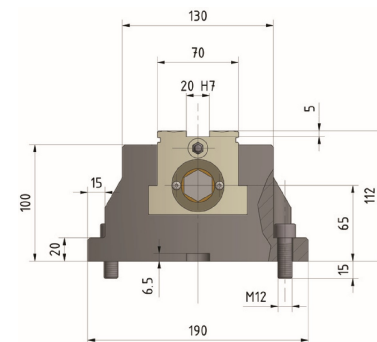
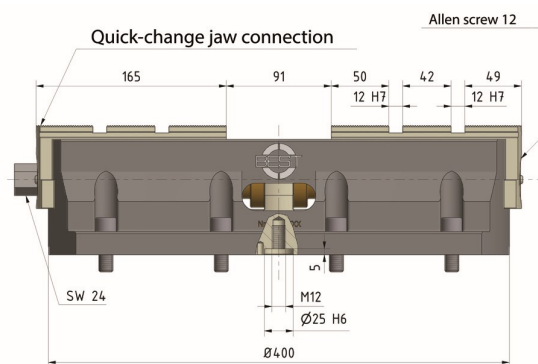
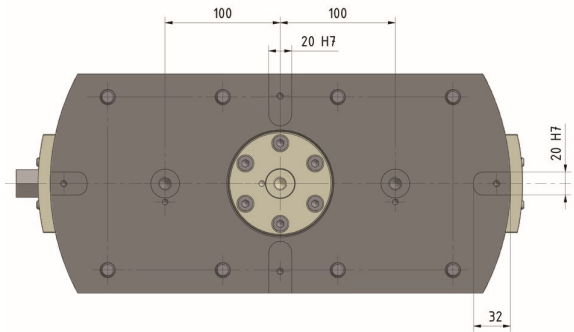
- The centric vice BSM-500 can be attached from the top to the machining table using screws or steel ties or on a pallet using screws or clamps.
- The BSM-500 can be quickly upgraded to an RPC-500 zero-point centric vice (see page 41) simply by fitting a tightening bolt and a sword-shaped tightening bolt (see page 47).

You can find the corresponding jaws for the centric vice on pages 30 to 37.

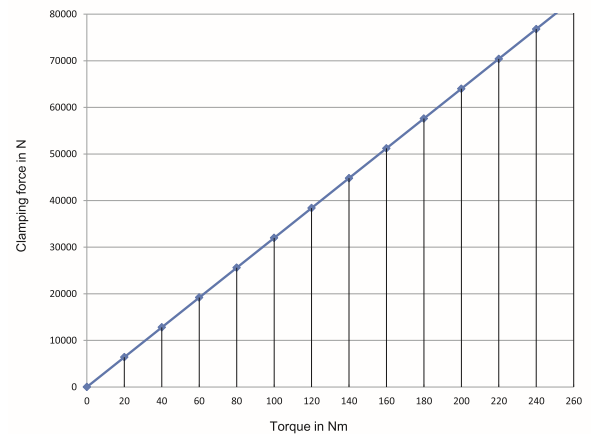
1.1.7 Mechanical centric vice special size BSM-400

Technical data:

Order number:	200-0400-001
Designation:	BSM-400
Installation length:	400 mm
Installation height:	112 mm
Weight:	45 kg
Clamping range:	0–400 mm
Stroke per jaw:	45 mm
Max. torque:	250 Nm
Max. clamping force:	80 kN
Jaw connection:	Quick-change and tongue and groove



Clamping force – torque BSM-400



Installation options for the BSM-400:

- The centric vice BSM-400 can be attached from the top to the machining table using screws or steel ties or on a pallet using screws or clamps.
- The BSM-400 can be quickly upgraded to an RPC-400 zero-point centric vice simply by fitting a tightening bolt and a sword-shaped tightening bolt (see page 47).

You can find the corresponding jaws for the centric vice on pages 30 to 37.