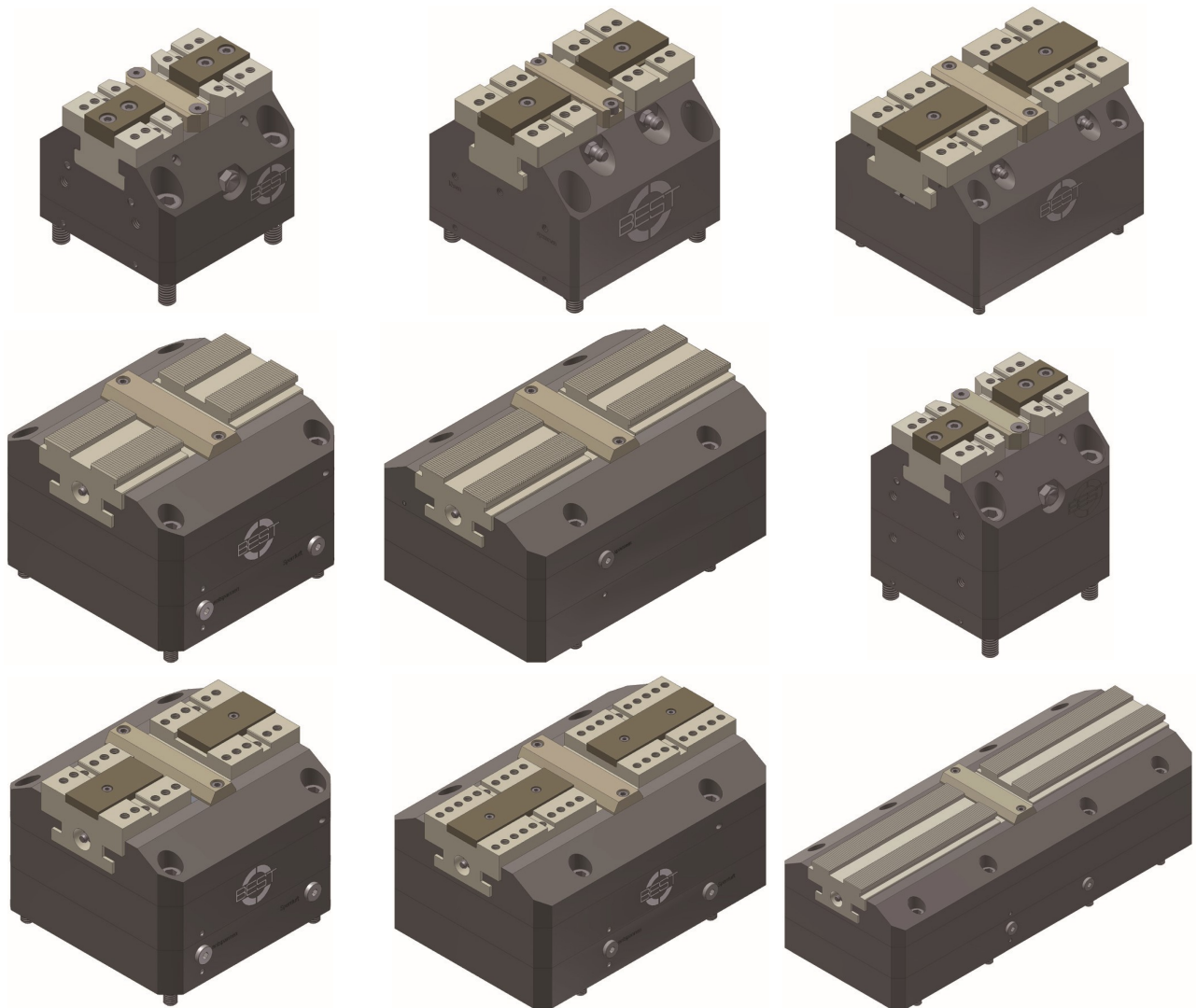


## 5. Vices for automation solutions

### 5.1. Pneumatic vice models

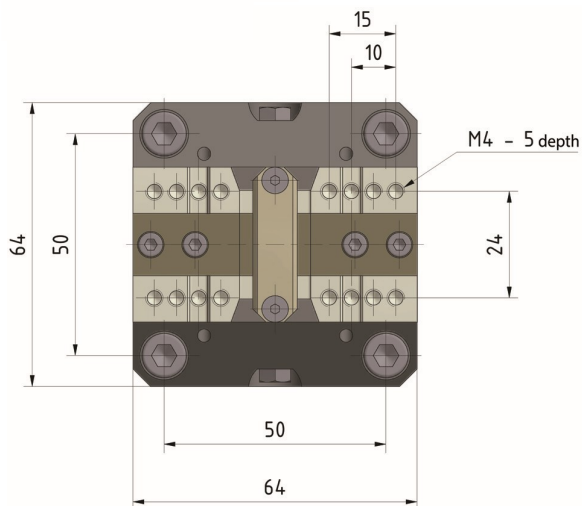
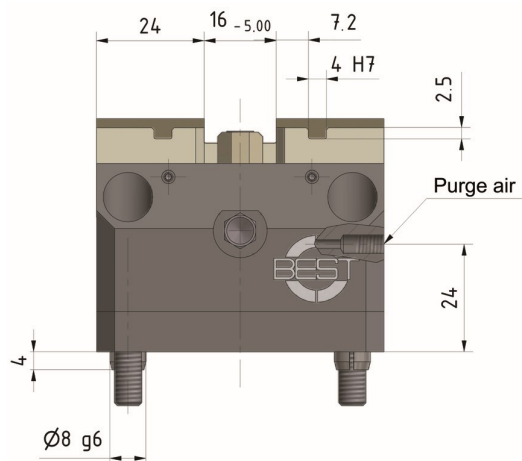
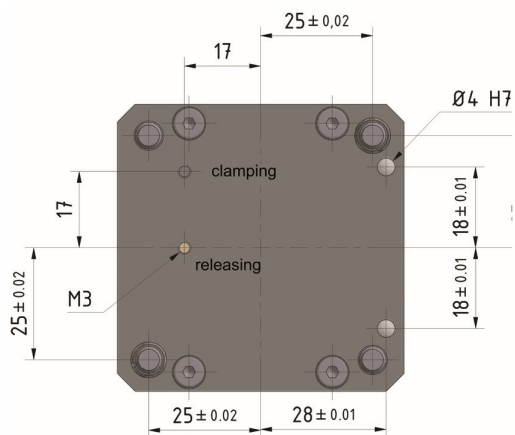
#### 5.1.1. Pneumatic centric vices



#### Advantages of the BEST pneumatic vices:

- Extremely high rigidity as a result of solid design
- Extremely high clamping forces (up to 40 kN)
- Housing sizes from 64 mm to 250 mm (in the standard design, larger models are available on request)
- 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 240 mm
- Low wear due to nitrogen-hardened surfaces
- Suitable for internal or external clamping
- Individual special solutions / customer-specific customisations available on request (Please provide us with the specific data for your application, and we will send you a technical draft together with an offer for the number of items you require)
- Compensating clamping

## 5.1.1.1 Pneumatic centric vices BSP-64



### Optional additional functions:

- Compensation function
- Clamping path monitoring
- Central lubrication connection
- Fixed jaw
- Sealing air connection

See optional additional functions, page 77.

Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

### Technical data:

Order number:	150-0064-001
Designation:	BSP-64
Dimensions (LxWxH):	64 x 64 x 50 mm
Weight:	1.2 kg
Clamping range:	0–55 mm
Stroke per jaw:	2.5 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	4 kN at 9 bar
Air consumption (6 bar):	186 cm <sup>3</sup> per double stroke
Jaw connection:	Tongue and groove
Air connections:	On the side and underside

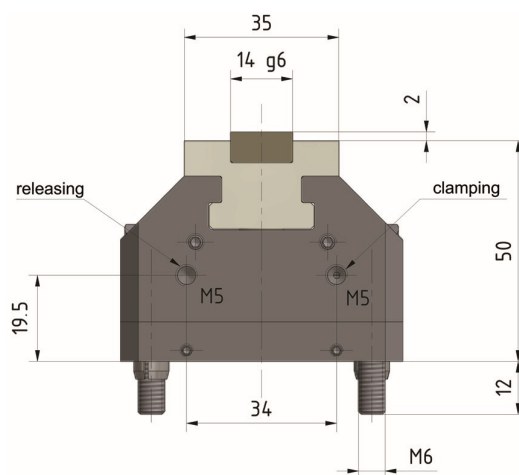
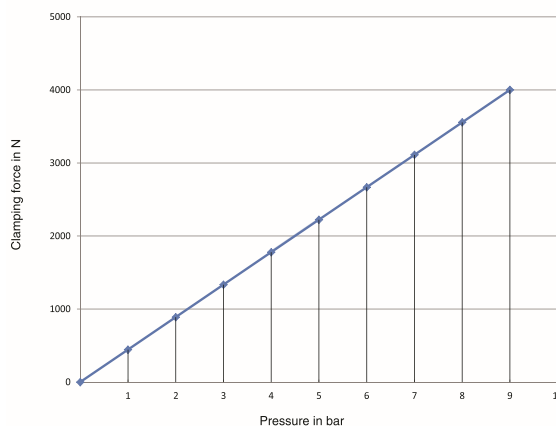


Chart clamping force BSP-64



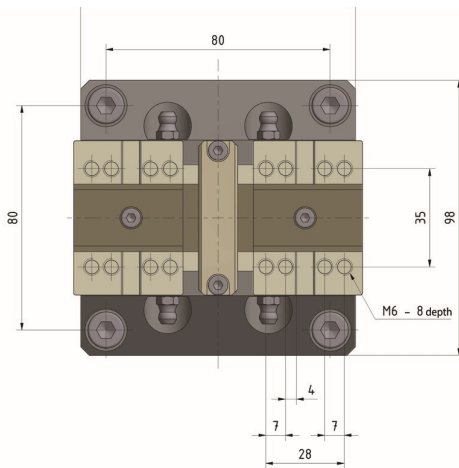
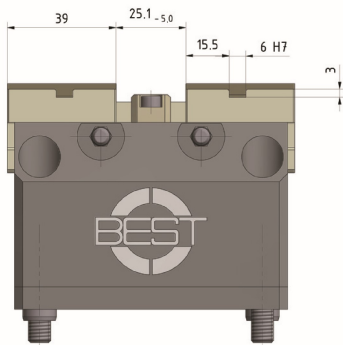
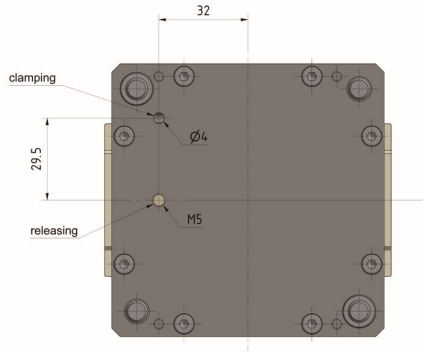
### Matching blank jaw:

Order number:	301-0034-001
Dimensions (WxLxH):	36 x 29 x 18 mm
Material:	16 MnCr5

### Seal set (for maintenance):

Order number:	100,350,064
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## 5.1.1.2 Pneumatic centric vices BSP-100



### Technical data:

Order number:	150-0100-005
Designation:	BSP-100
Dimensions (LxWxH):	98 x 98 x 79 mm
Weight:	4 kg
Clamping range:	0–90 mm
Stroke per jaw:	2.5 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	14 kN at 9 bar
Air consumption (6 bar):	701 cm <sup>3</sup> per double stroke
Jaw connection:	Tongue and groove
Air connections:	On the side and underside

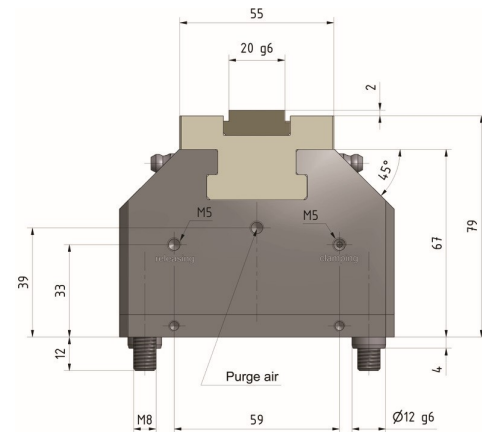
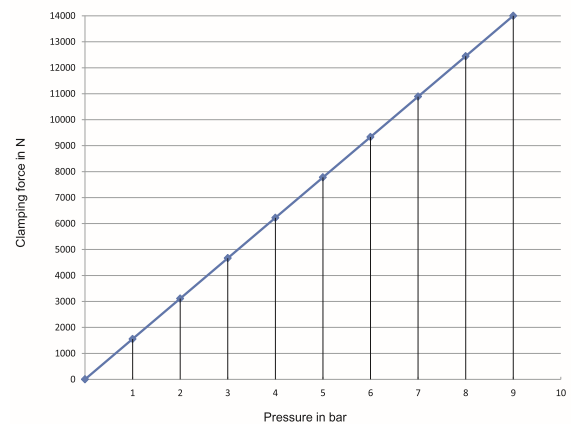


Chart clamping force BSP-100



### Optional additional functions:

- Compensation function
- Fixed jaw
- Clamping path monitoring
- Sealing air connection
- Central lubrication connection

See optional additional functions, page 77.  
Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

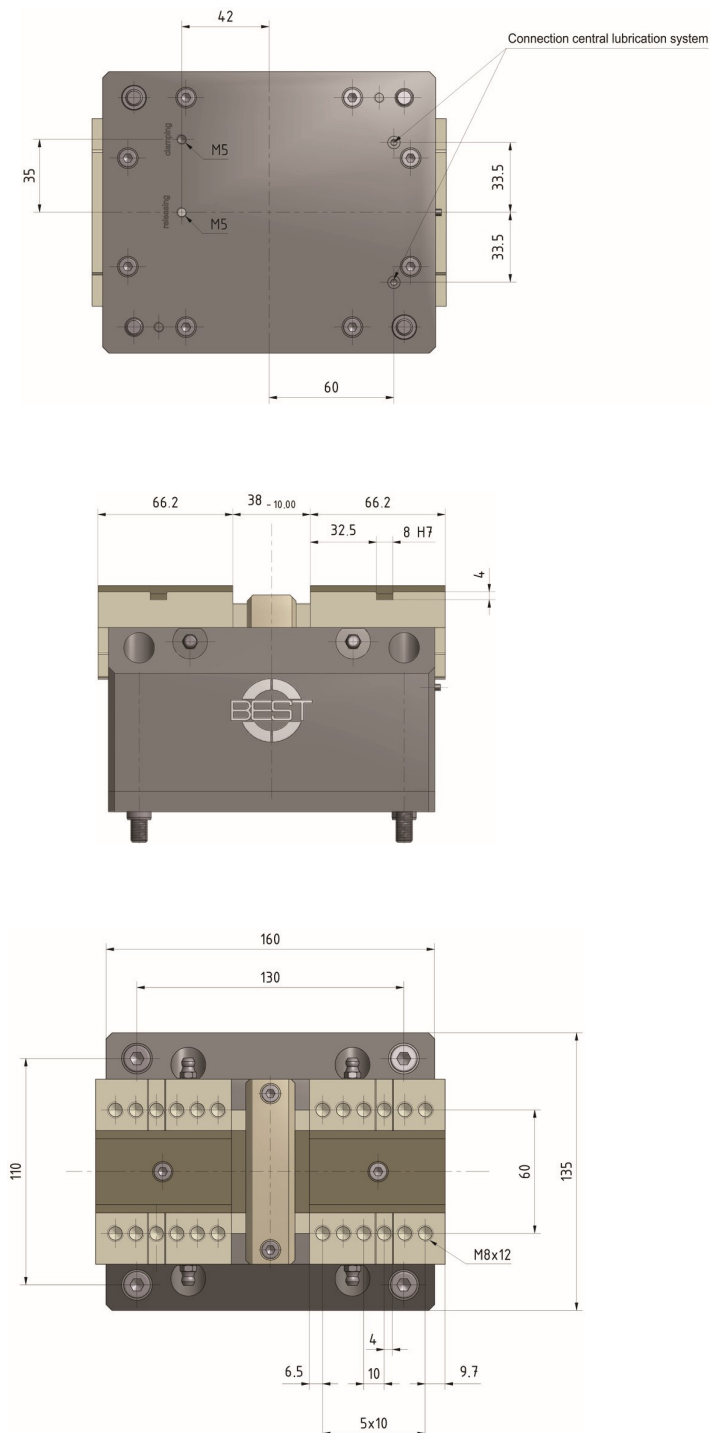
### Matching blank jaw:

Order number:	301-0060-002
Dimensions (WxLxH):	60 x 45 x 30 mm
Material:	16 MnCr5

### Seal set (for maintenance):

Order number:	100,350,100
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### 5.1.1.3 Pneumatic centric vices BSP-160



#### Technical data:

Order number:	150-0160-009
Designation:	BSP-160
Dimensions (LxWxH):	160 x 135 x 108 mm
Weight:	14 kg
Clamping range:	0 – 150 mm
Stroke per jaw:	5 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	25 kN at 9 bar
Air consumption (6 bar):	2490 cm <sup>3</sup> per double stroke
Jaw connection:	Tongue and groove
Air connections:	On the side and underside

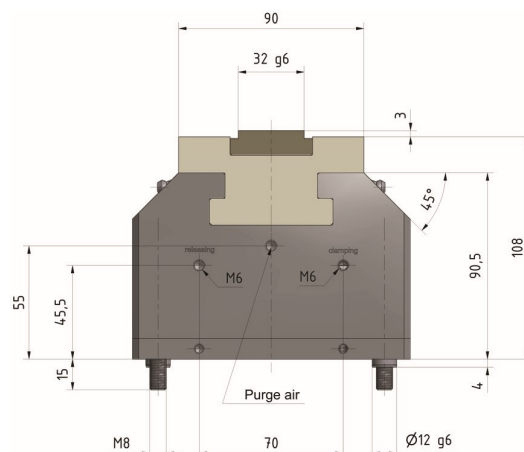
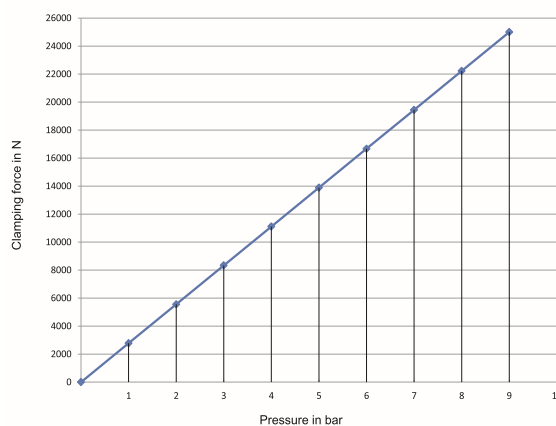


Chart clamping force BSP-160



#### Optional additional functions:

- Compensation function
- Clamping path monitoring
- Central lubrication connection
- Fixed jaw
- Sealing air connection

See optional additional functions, page 77.

Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

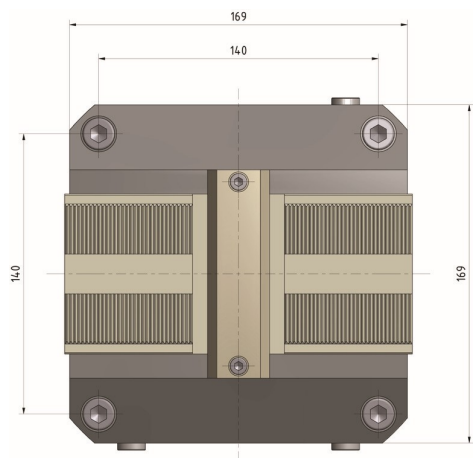
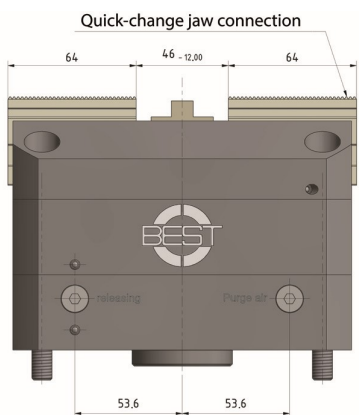
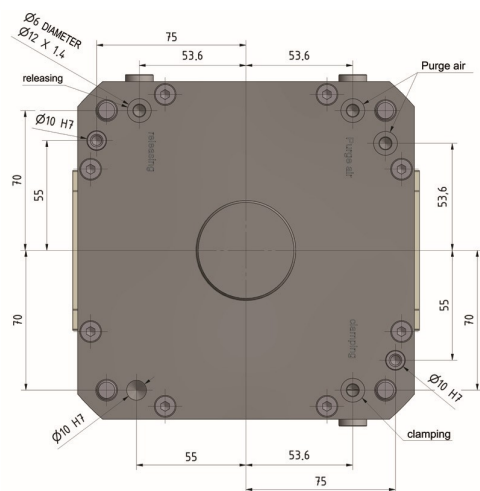
#### Matching blank jaw:

Order number:	301-0094-008
Dimensions (WxLxH):	94 x 67 x 50 mm
Material:	16 MnCr5

#### Seal set (for maintenance):

Order number:	100,350,160
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## 5.1.1.4 Pneumatic centric vice BSPD-170-SWBA (with double piston)



### Technical data:

Order number:	152-0170-002
Designation:	BSPD-170-SWBA
Dimensions (LxWxH):	169 x 169 x 126 mm
Weight:	22 kg
Clamping range:	0 – 160 mm
Stroke per jaw:	6 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	45 kN at 9 bar
Air consumption (6 bar):	4557 cm <sup>3</sup> per double stroke
Jaw connection:	Quick-change
Air connections:	On the side and underside

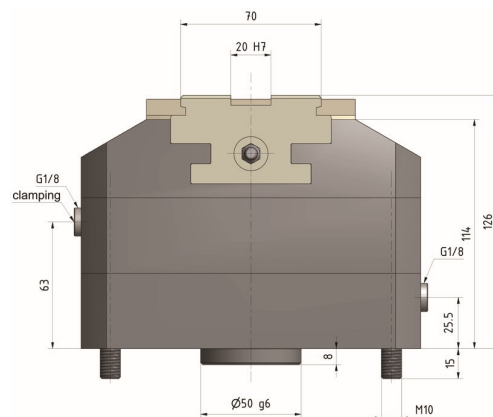
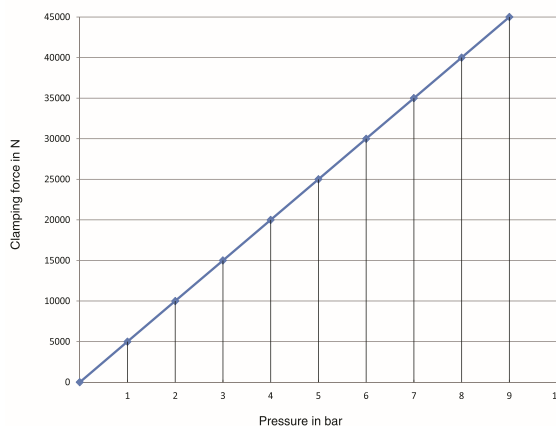


Chart clamping force BSPD-170



### Optional additional functions:

- Clamping path monitoring
- Fixed jaw
- Sealing air connection

See optional additional functions, page 77.

Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

### Matching jaws:

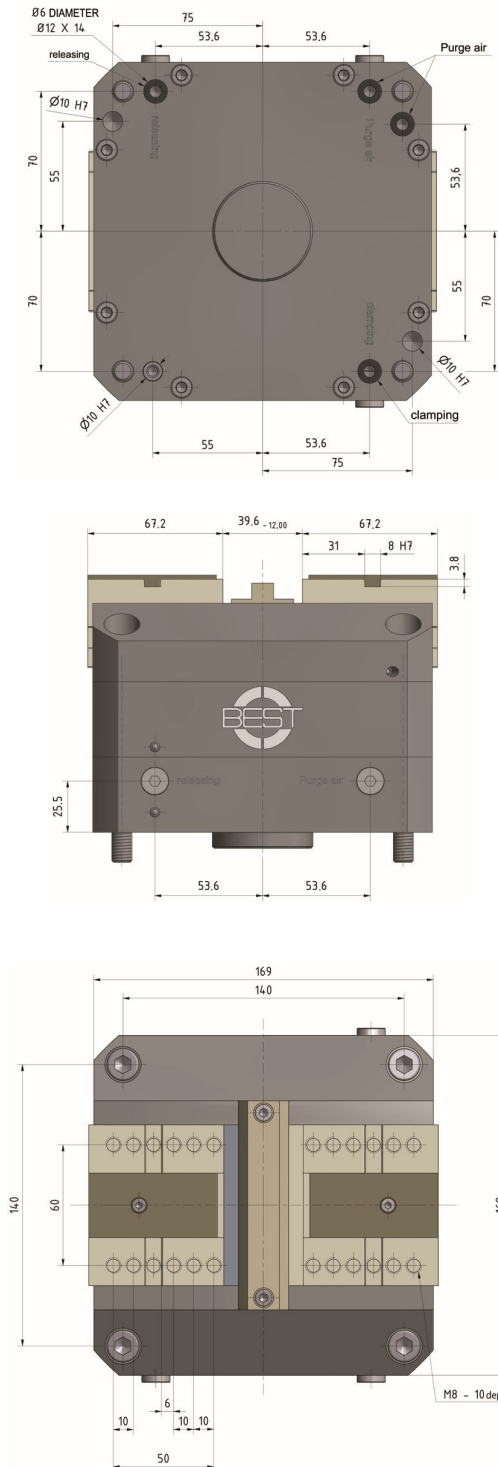
Pages 30 to 32

### Seal set (for maintenance):

Order number:	100,352,170
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## 5.1.1.5 Pneumatic centric vice BSPD-170-KV (with double piston)



### Optional additional functions:

- Clamping path monitoring
- Fixed jaw
- Sealing air connection

See optional additional functions, page 77.  
Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

### Technical data:

Order number:	152-0170-003
Designation:	BSPD-170-KV
Dimensions (LxWxH):	169 x 169 x 126 mm
Weight:	22 kg
Clamping range:	0 – 160 mm
Stroke per jaw:	6 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	45 kN at 9 bar
Air consumption (6 bar):	4557 cm <sup>3</sup> per double stroke
Jaw connection:	Tongue and groove
Air connections:	On the side and underside

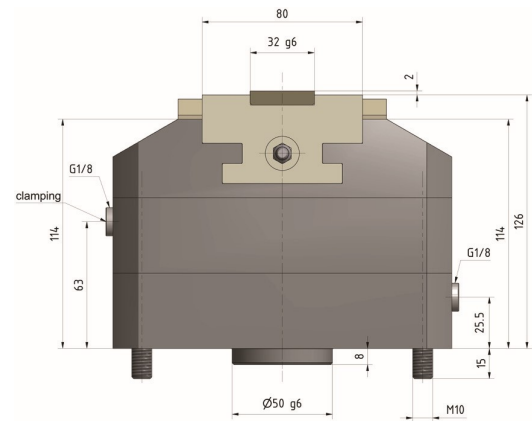
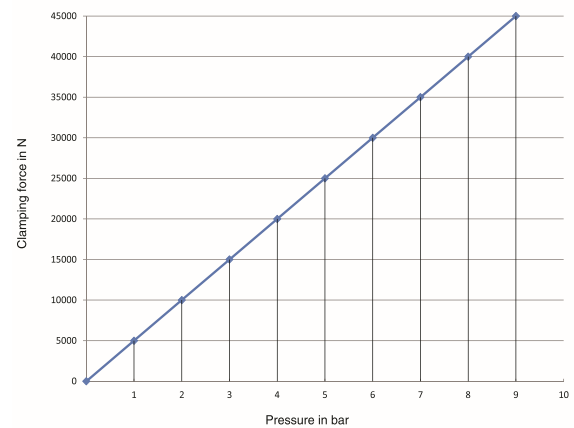


Chart clamping force BSPD-170



### Matching blank jaw:

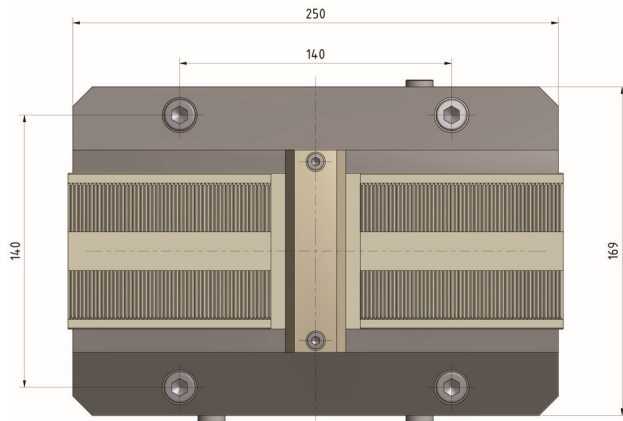
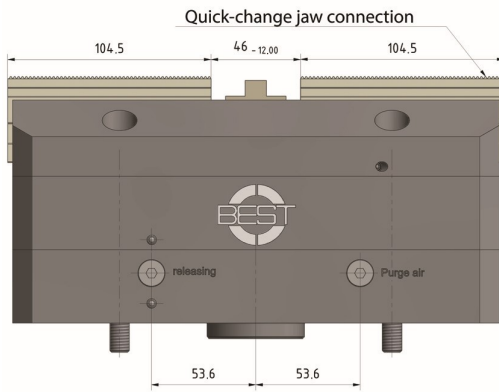
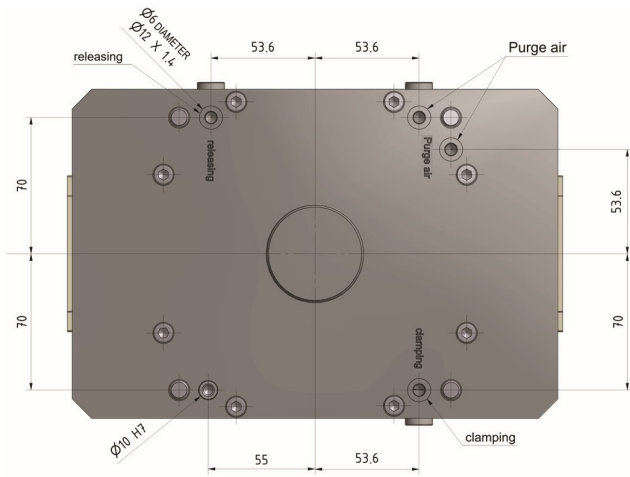
Order number:	301-0094-008
Dimensions (WxLxH):	94 x 67 x 50 mm
Material:	16 MnCr5

### Seal set (for maintenance):

Order number:	100,352,170
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## 5.1.1.6 Pneumatic centric vice BSPD-250-SWBA (with double piston)



### Technical data:

Order number:	152-0250-002
Designation:	BSPD-250-SWBA
Dimensions (LxWxH):	250 x 169 x 126 mm
Weight:	35 kg
Clamping range:	0–240 mm
Stroke per jaw:	6 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	45 kN at 9 bar
Air consumption (6 bar):	4557 cm <sup>3</sup> per double stroke
Jaw connection:	Quick-change
Air connections:	On the side and underside

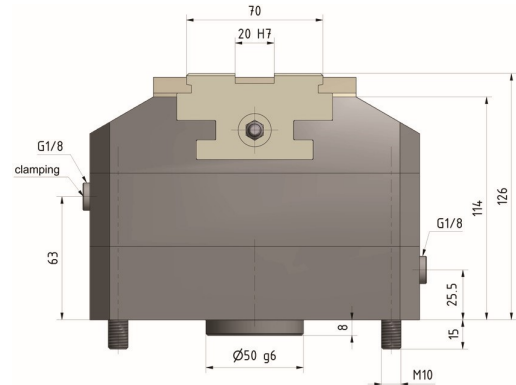
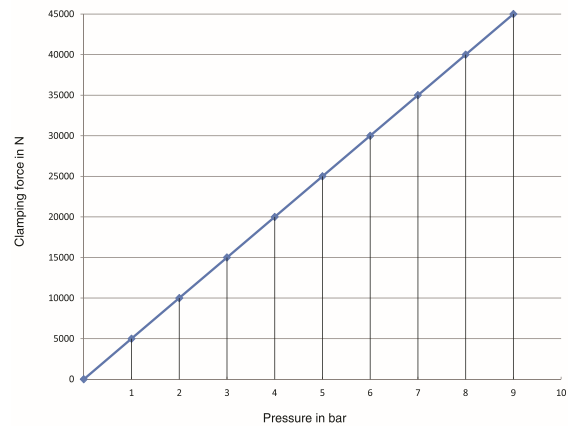


Chart clamping force BSPD-250



### Optional additional functions:

- Clamping path monitoring
- Fixed jaw
- Sealing air connection

See optional additional functions, page 77.

Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

### Matching jaws:

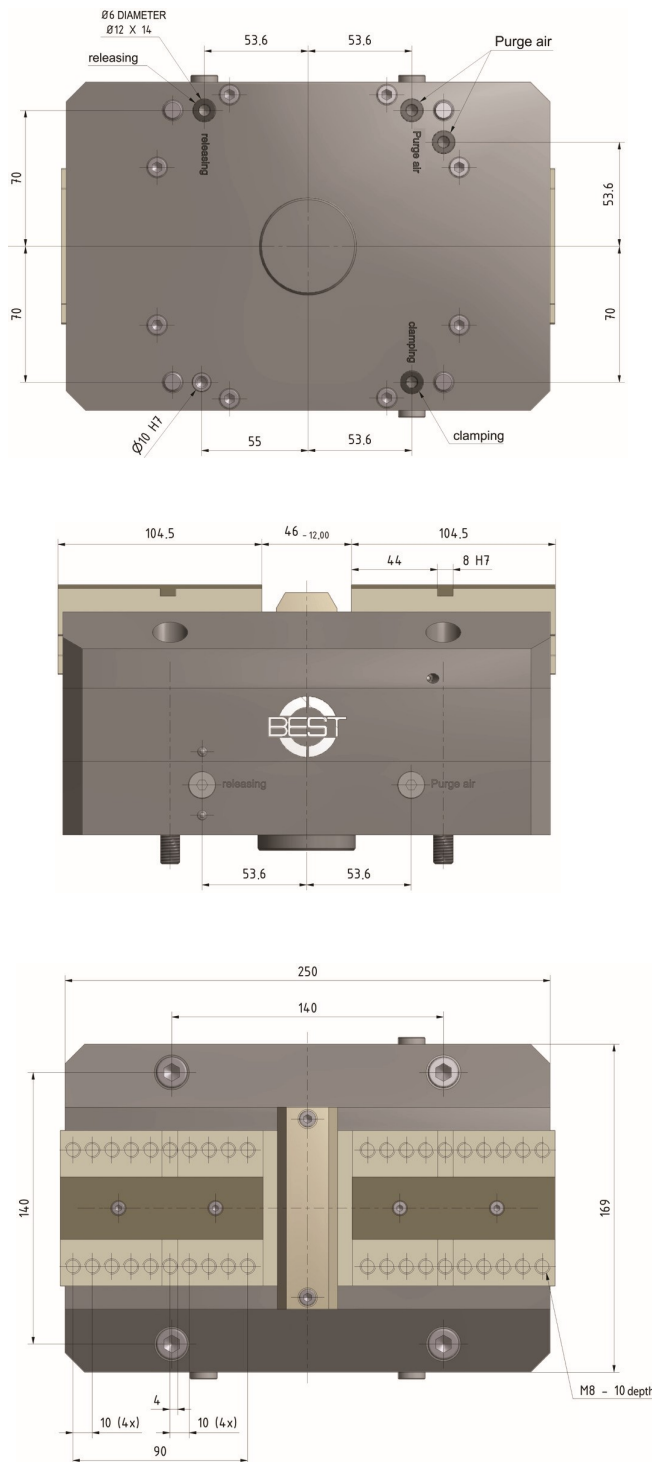
Pages 30 to 32

### Seal set (for maintenance):

Order number:	100,352,170
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## 5.1.1.7 Pneumatic centric vice BSPD-250-KV (with double piston)



### Technical data:

Order number:	152-0250-003
Designation:	BSPD-250-KV
Dimensions (LxWxH):	250 x 169 x 126 mm
Weight:	35 kg
Clamping range:	0–240 mm
Stroke per jaw:	6 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	45 kN at 9 bar
Air consumption (6 bar):	4557 cm <sup>3</sup> per double stroke
Jaw connection:	Tongue and groove
Air connections:	On the side and underside

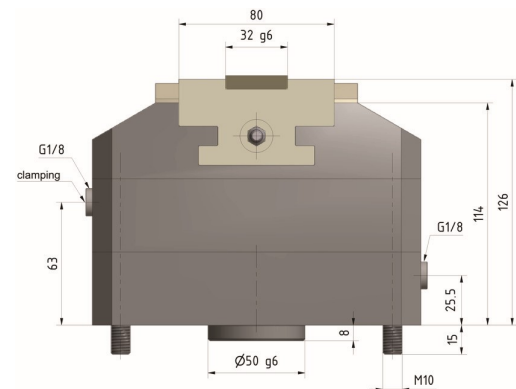
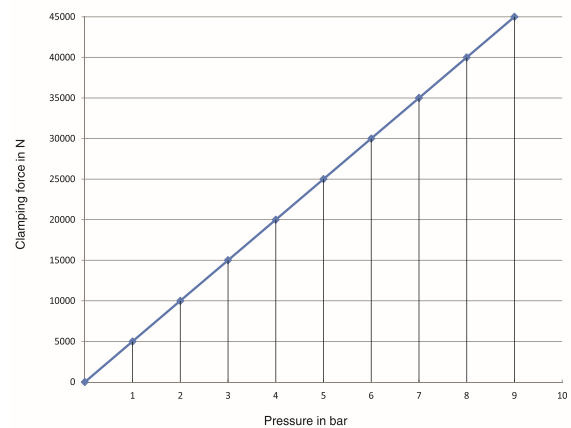


Chart clamping force BSPD-250



### Optional additional functions:

- Clamping path monitoring
- Fixed jaw
- Sealing air connection

See optional additional functions, page 77.

Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

### Matching blank jaw:

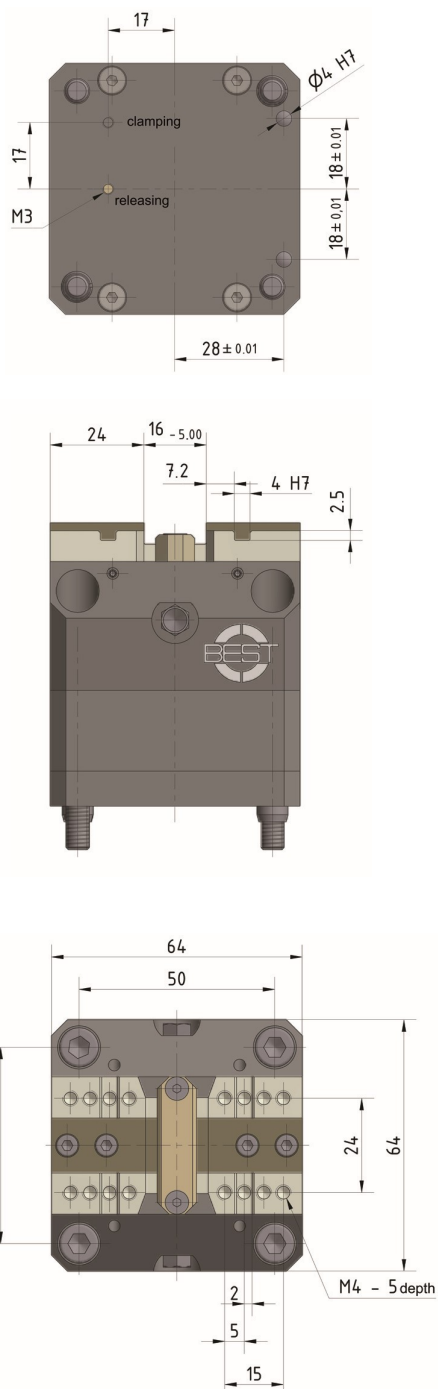
Order number:	301-0150-006
Dimensions (WxLxH):	150 x 120 x 70 mm
Material:	16 MnCr5

### Seal set (for maintenance):

Order number:	100,352,170
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## 5.1.1.8 Pneumatic centric vice special size BSPD-64-KV (with double piston)



### Technical data:

Order number:	152-0064-001
Designation:	BSPD-64-KV
Dimensions (LxWxH):	64 x 64 x 70.8 mm
Weight:	1.8 kg
Clamping range:	0–55 mm
Stroke per jaw:	2.5 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	8 kN at 9 bar
Air consumption (6 bar):	372 cm <sup>3</sup> per double stroke
Jaw connection:	Tongue and groove
Air connections:	On the side and underside

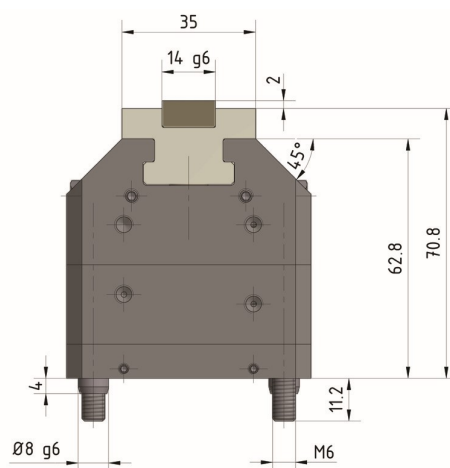
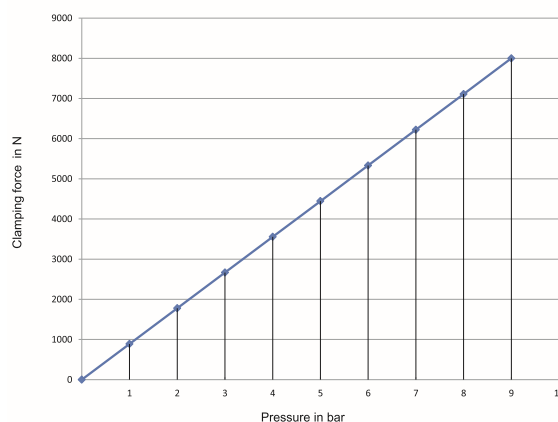


Chart clamping force BSPD-64



### Optional additional functions:

- Fixed jaw
- Sealing air connection
- Clamping path monitoring

See optional additional functions, page 77.

Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

### Matching blank jaw:

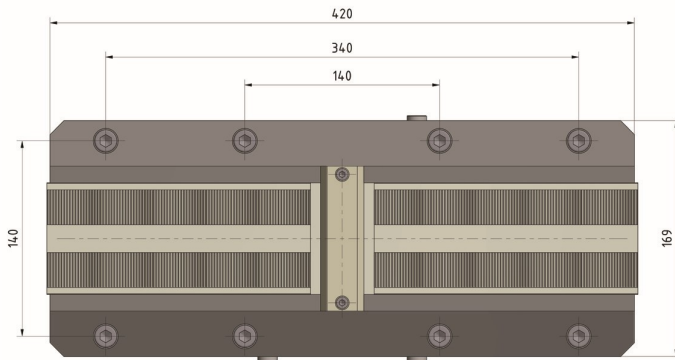
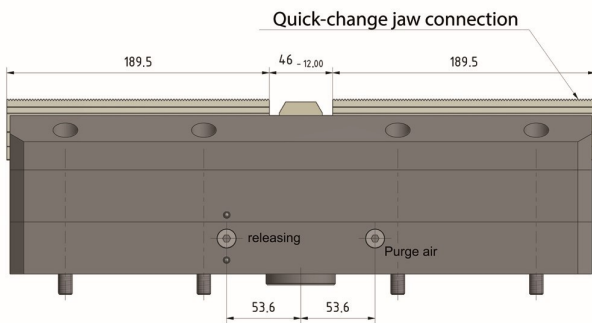
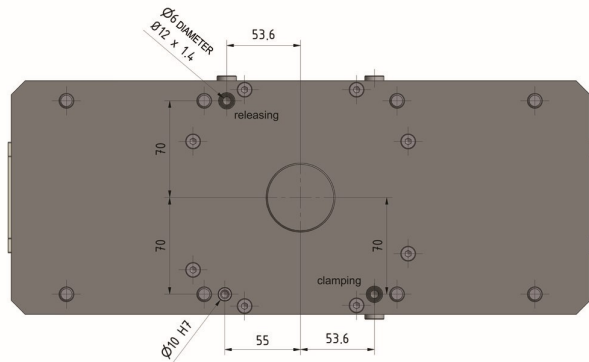
Order number:	301-0034-001
Dimensions (WxLxH):	36 x 29 x 18 mm
Material:	16 MnCr5

### Seal set (for maintenance):

Order number:	100,352,064
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## 5.1.1.9 Pneumatic centric vice special size BSPD-420-SWBA (with double piston)



### Technical data:

Order number:	152-0420-001
Designation:	BSPD-420-SWBA
Dimensions (LxWxH):	420 x 169 x 129 mm
Weight:	60 kg
Clamping range:	0–410 mm
Stroke per jaw:	6 mm
Max. actuating pressure:	9 bar
Min. actuating pressure:	1 bar
Max. clamping force:	45 kN at 9 bar
Air consumption (6 bar):	4557 cm <sup>3</sup> per double stroke
Jaw connection:	Quick-change
Air connections:	On the side and underside

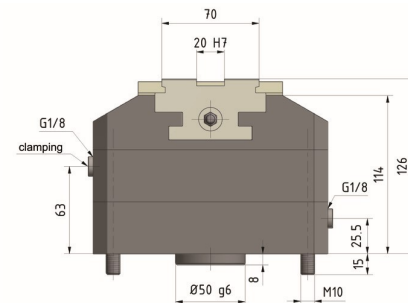
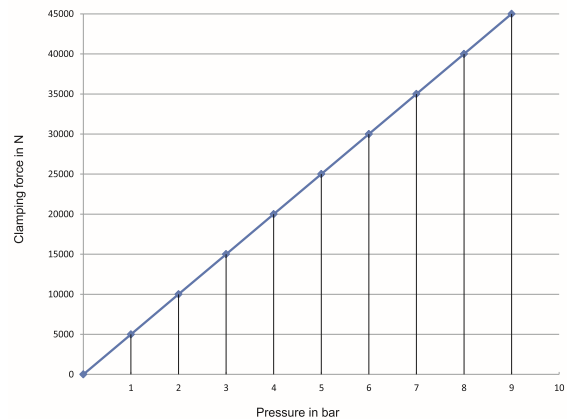


Chart clamping force BSPD-420



### Optional additional functions:

- Fixed jaw
- Sealing air connection
- Clamping path monitoring

See optional additional functions, page 77.  
Please let us know, if you require one of the additional functions, so that we can take this into consideration in the offer.

### Matching jaws:

Pages 30 to 32

### Seal set (for maintenance):

Order number:	100,352,170
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