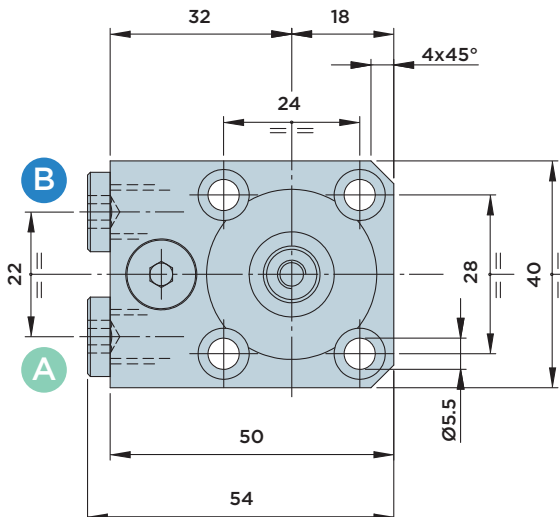
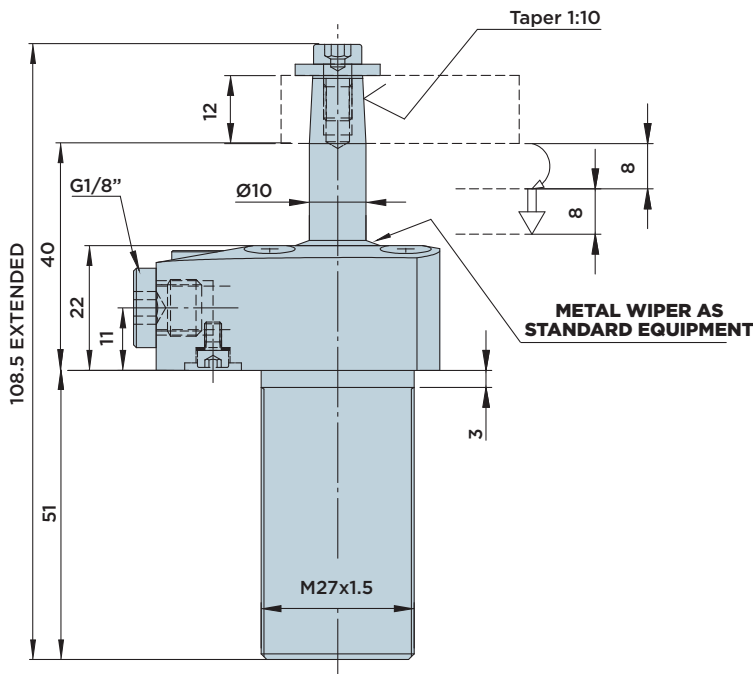
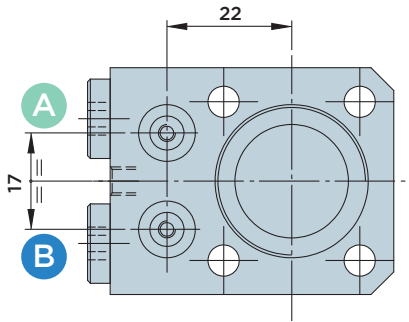
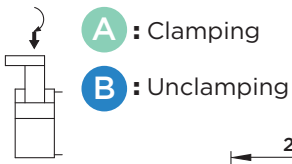


SR10.0 FD

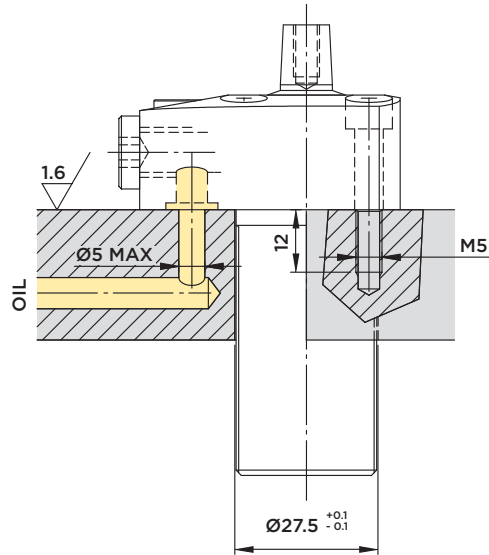


DOUBLE-ACTING SWING CLAMP CYLINDER WITH **UPPER FLANGE**

MAX. OPERATING PRESSURE = 350BAR



INSTALLATION DIMENSIONS WITH O-RING CONNECTION



Included in the scope of supply:

- Mounting screws M5x25 DIN 912/12.9 grade
- O-Rings Ø6.75x1.78

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized

Note:

Order code, see page 38
Clamp arms, see page 123
Clamping force diagram, see page 123

	STROKE mm	EFFECTIVE PISTON AREA		TOTAL OIL VOLUME	
		Cm ²		Cm ³	
TOTAL	16	CLAMP.	UNCLAMP.	CLAMP.	UNCLAMP.
SWINGING	8	0.75	1.54	1.2	2.5
CLAMPING	8				



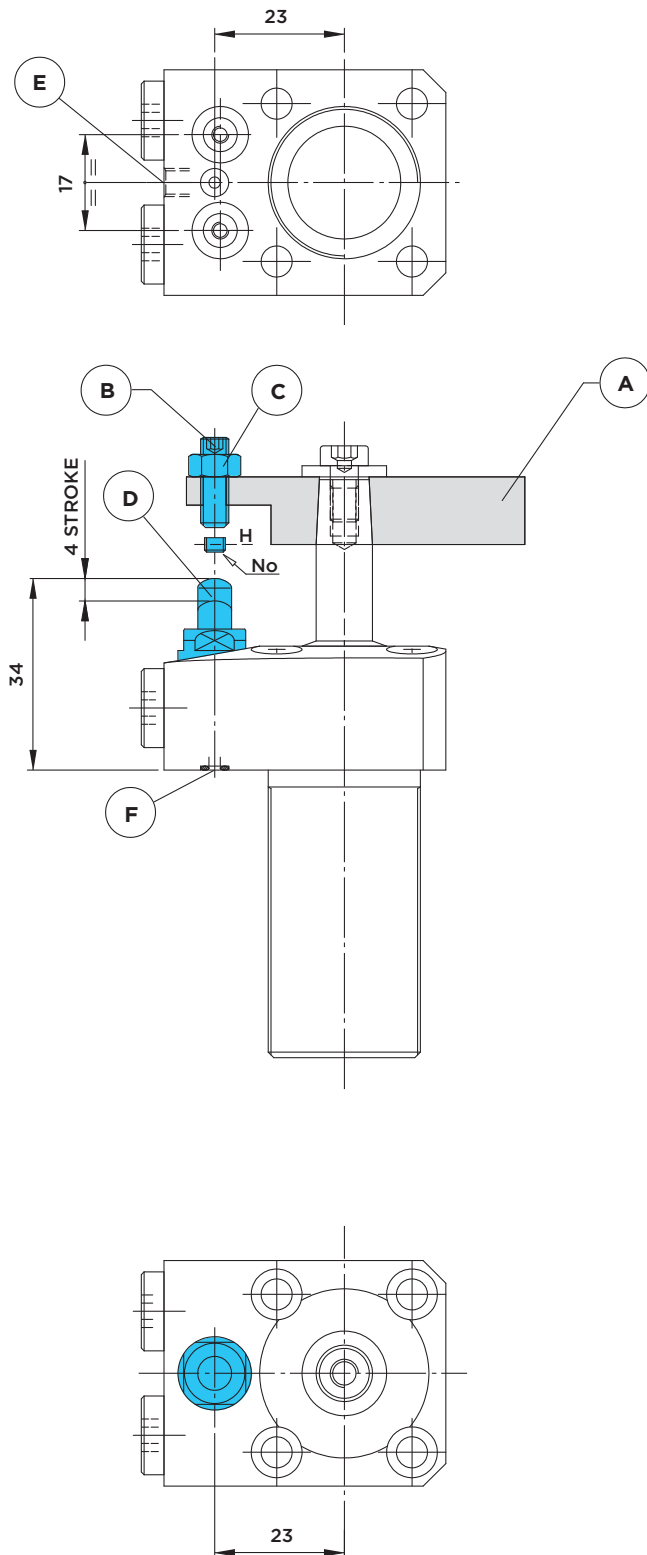
SR10.0 FDV



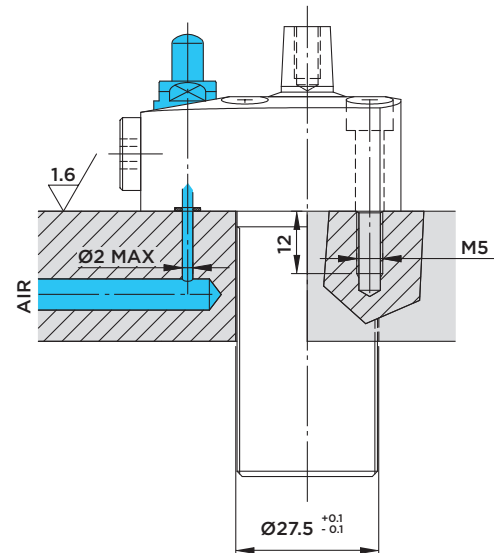
DOUBLE-ACTING SWING CLAMP CYLINDER WITH **UPPER FLANGE**
AND **CLAMP ARM POSITION CONTROL VALVE**

A : Clamping

B : Unclamping



INSTALLATION DIMENSIONS WITH O-RING CONNECTION



Included in the scope of supply:

- O-Rings Ø3X1

Valve adjustment:

To adjust the clamp arm position control valve, please proceed as follows:

- 1) Pressurize the cylinder to move the clamping arm into clamping position.
- 2) Adjust the plate (A) to the exact radial position to ensure that the set-screw (B) is in line with the valve.
- 3) Supply the circuit with air at 1÷6 bar through the port (F). The valve bolt (D) is completely extended and air escapes from the bore (E).
- 4) Screw in the set-screw (B) with the workpiece being clamped until the air flow is interrupted. Then tighten the screw by another 2÷4 rotations (*) and lock the screw by means of the nut (C). The pressure switch indicates that the pneumatic circuit is closed and enables the machine cycle start.

* (The additional 2÷4 rotations are required to compensate thickness variations caused by rough surfaces.)

Note: After the adjustment, the tip of the set-screw (B) must not project beyond the lower end of the clamp arm (level H).

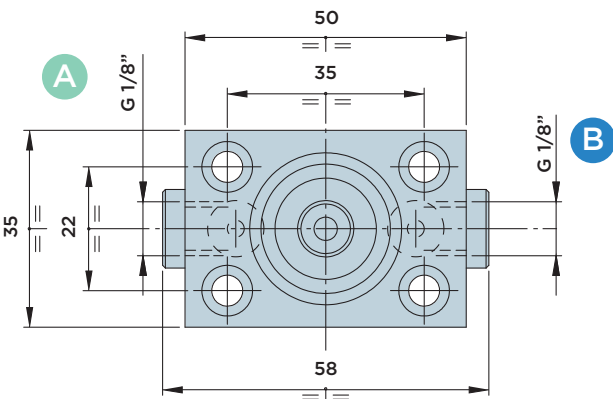
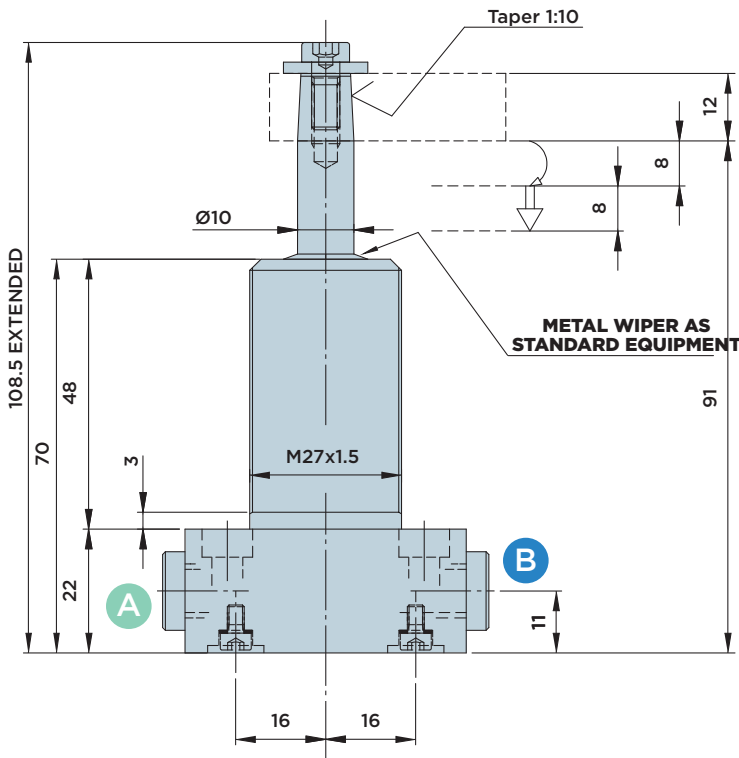
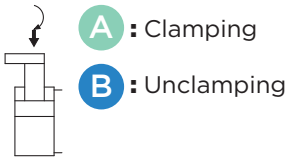


SR10.0 PD

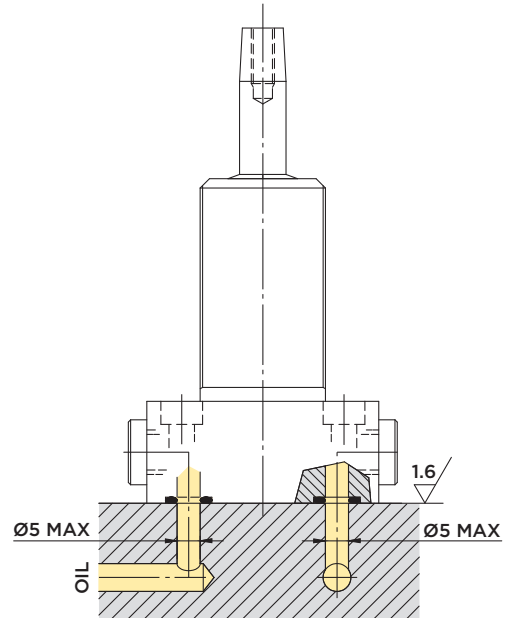


DOUBLE-ACTING SWING CLAMP CYLINDER WITH **LOWER FLANGE**

MAX. OPERATING PRESSURE = 350BAR



INSTALLATION DIMENSIONS WITH O-RING CONNECTION



Included in the scope of supply:

- Mounting screws M5x25 DIN 912/12.9 grade
- O-Rings Ø6.75x1.78

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized

Note:

- Order code, see page 38
- Clamp arms, see page 123
- Clamping force diagram, see page 123

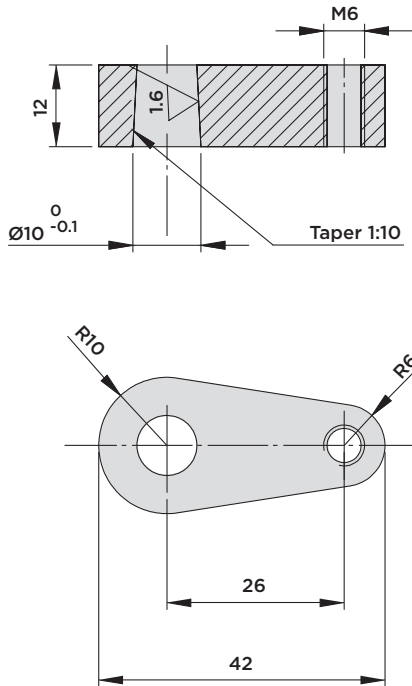
STROKE mm	EFFECTIVE PISTON AREA		TOTAL OIL VOLUME	
	Cm ²		Cm ³	
TOTAL	16	CLAMP. UNCLAMP.	CLAMP. UNCLAMP.	
SWINGING	8	0.75 1.54	1.2 2.5	
CLAMPING	8			



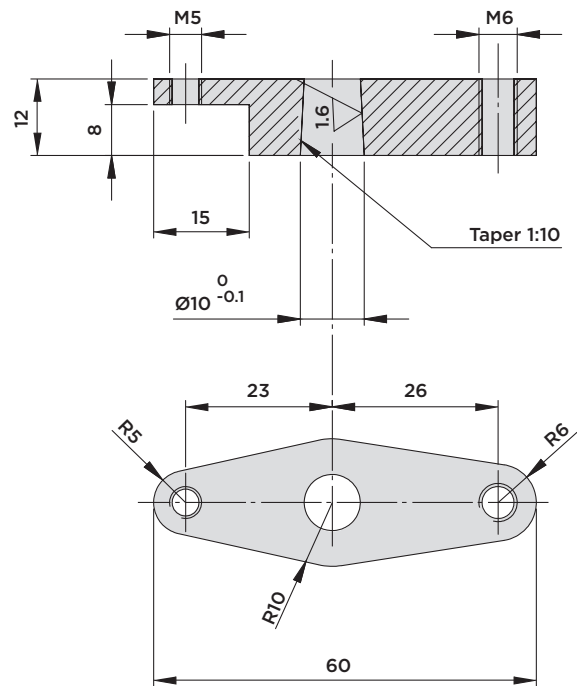
SR10 FD/PD/CD SERIES

- ACCESSORIES
- EFFECTIVE CLAMPING FORCE

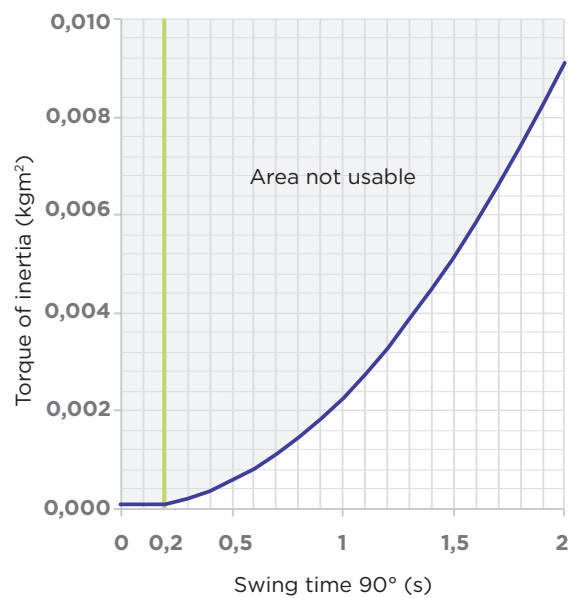
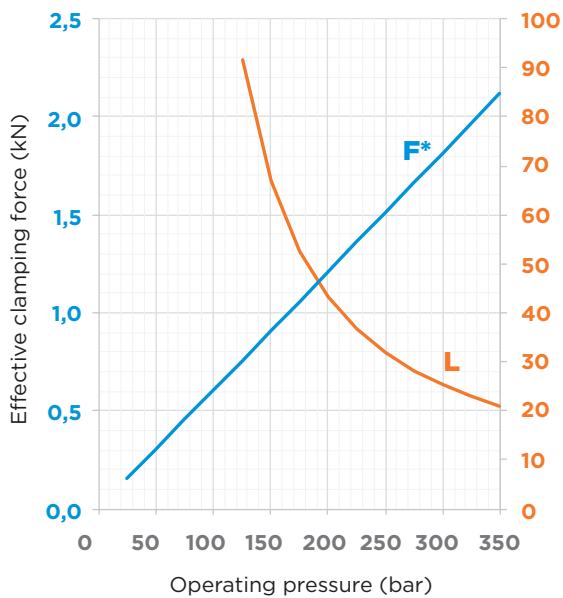
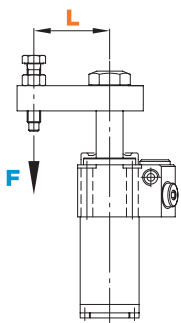
CLAMP ARM 01.10



CLAMP ARM 04.10



Effective clamping force / Swing times



* = The effective clamping force F in the above diagram was determined using the standard clamp arms of type O1 and O4.



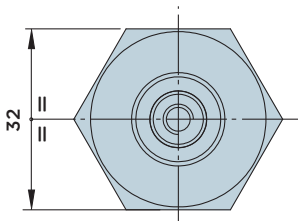
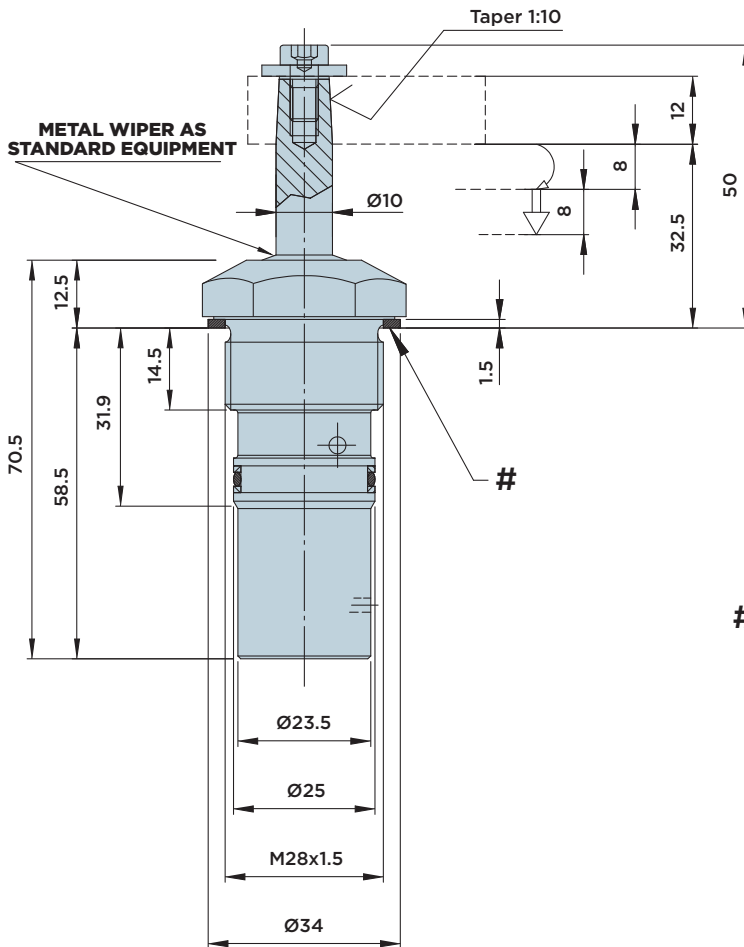
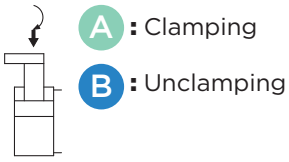
HYDROBLOCK

SR10.0 CD

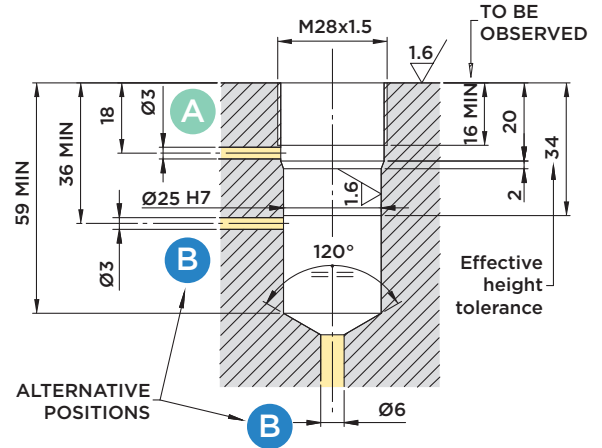


DOUBLE-ACTING SWING CLAMP CYLINDER WITH **CARTRIDGE BODY**

MAX. OPERATING PRESSURE = 350BAR



INSTALLATION DIMENSIONS



Included in the scope of supply:
• Sealing ring Ø28xØ34x1.5

ATTENTION:

Owing to the sealing ring at the top of the cylinder, this cylinder can be repositioned several times without the sealing face at the front of the fixture being damaged.

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized

Note:

Order code, see page 38
Clamp arms, see page 123
Clamping force diagram, see page 123

STROKE mm	EFFECTIVE PISTON AREA		TOTAL OIL VOLUME	
	Cm ²		Cm ³	
TOTAL	16	CLAMP. UNCLAMP.	CLAMP. UNCLAMP.	
SWINGING	8	0.75 1.54	1.2 2.5	
CLAMPING	8			

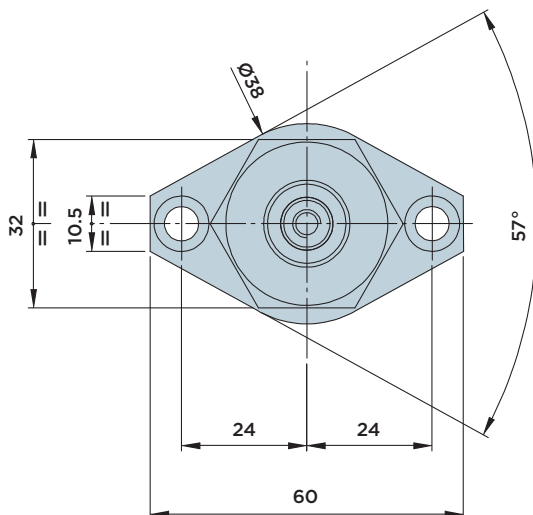
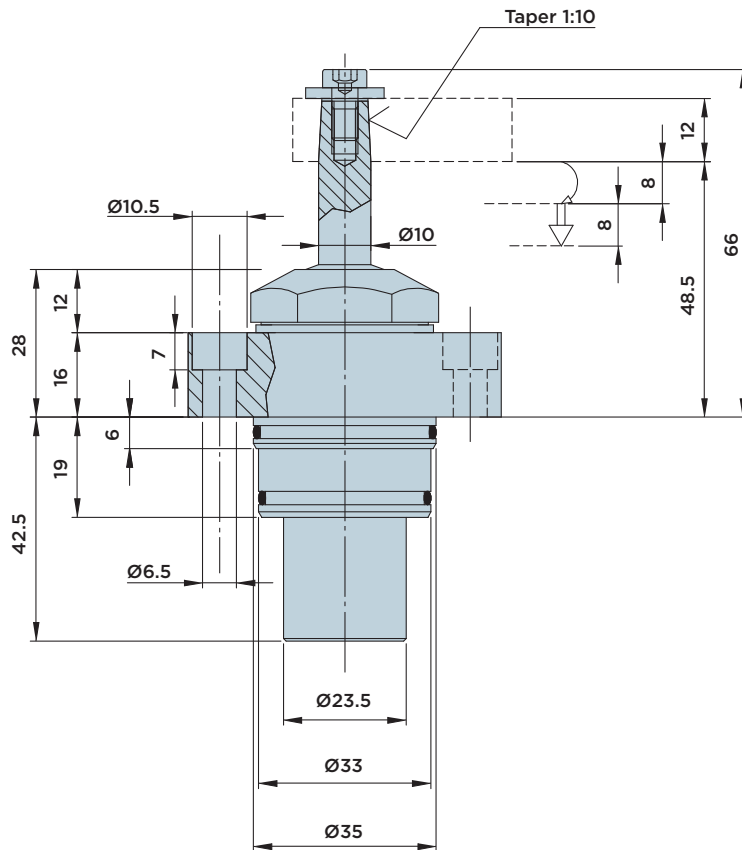


SR10.0 CDZ

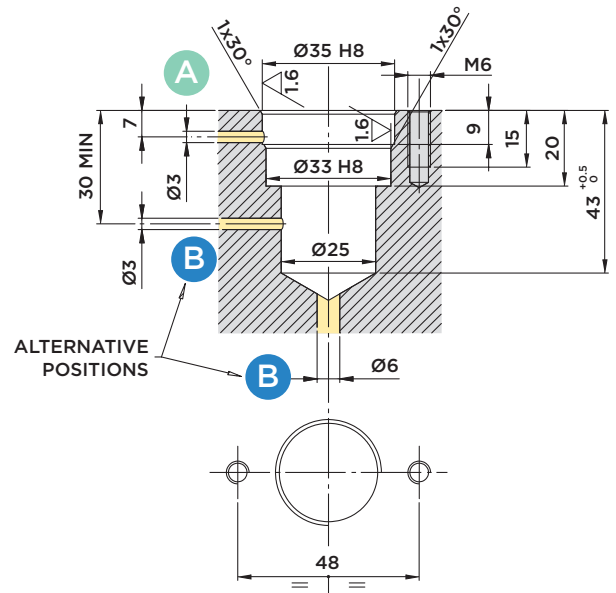


DOUBLE-ACTING SWING CLAMP CYLINDER WITH **CARTRIDGE BODY**
AND **MOUNTING FLANGE**

- A** : Clamping
- B** : Unclamping



INSTALLATION DIMENSIONS



Included in the scope of supply:

- Mounting screws M6x20 DIN 912/12.9 grade

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized
- Mounting flange: Free machining steel, nitrocarburized

Note:

Order code, see page 38
Clamp arms, see page 123
Clamping force diagram, see page 123

STROKE mm	EFFECTIVE PISTON AREA		TOTAL OIL VOLUME	
	Cm ²		Cm ³	
TOTAL	16	CLAMP. UNCLAMP.	CLAMP. UNCLAMP.	
SWINGING	8	0.75 1.54	1.2 2.5	
CLAMPING	8			

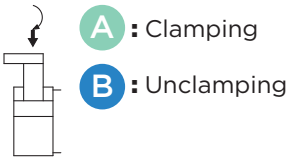


SR10.26 CD

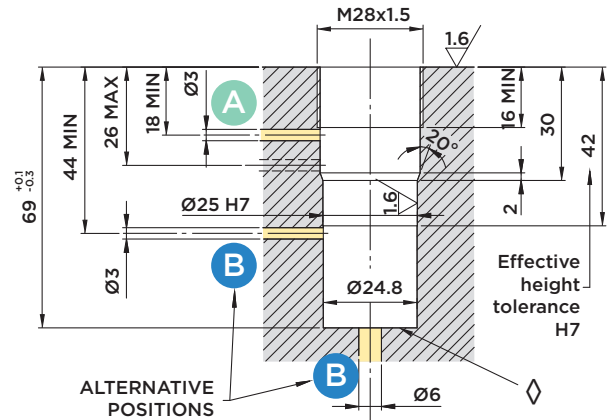


DOUBLE-ACTING SWING CLAMP CYLINDER WITH **CARTRIDGE BODY**

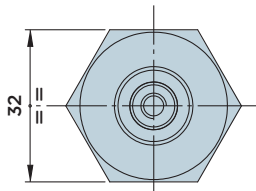
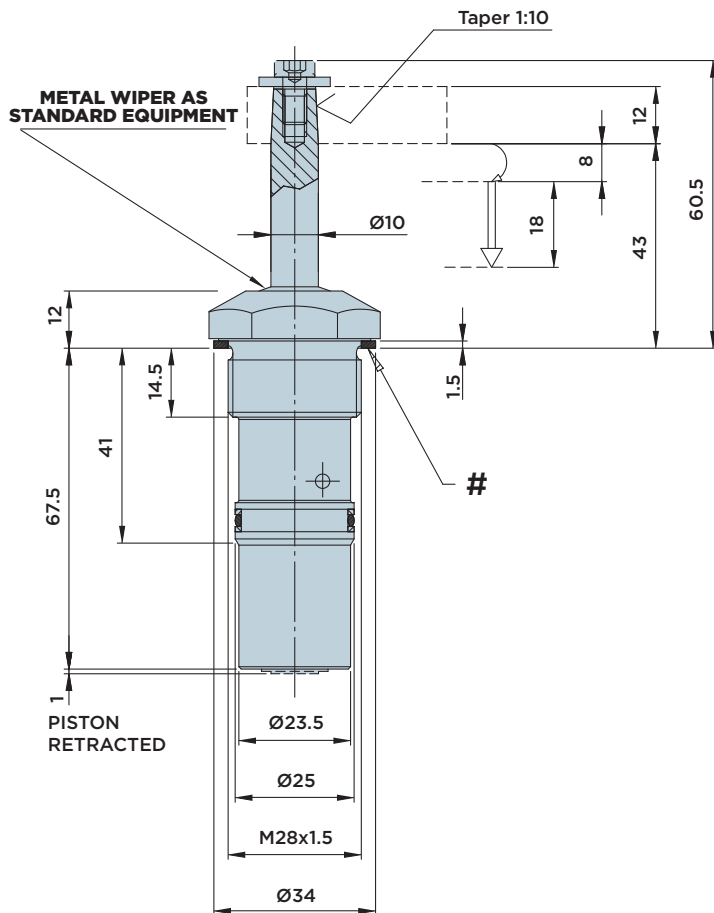
MAX. OPERATING PRESSURE = 350BAR



INSTALLATION DIMENSIONS



◇ Piston contact surface



Included in the scope of supply:
• Sealing ring Ø28xØ34x1.5

ATTENTION:

Owing to the sealing ring at the top of the cylinder, this cylinder can be repositioned several times without the sealing face at the front of the fixture being damaged.

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized

Note:

Order code, see page 38
Clamp arms, see page 123
Clamping force diagram, see page 123

STROKE mm	EFFECTIVE PISTON AREA		TOTAL OIL VOLUME	
	Cm ²		Cm ³	
TOTAL	26	CLAMP. UNCLAMP.	CLAMP. UNCLAMP.	
SWINGING	8	0.75 1.54	2 4	
CLAMPING	18			

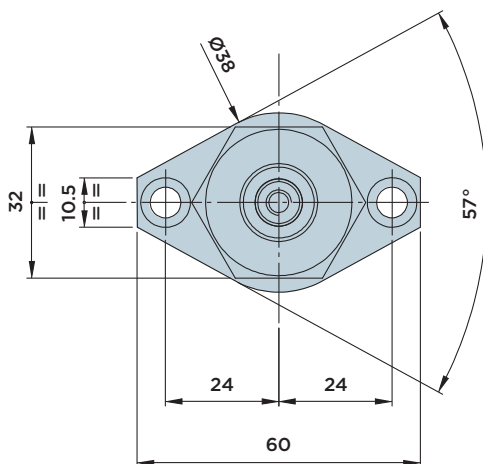
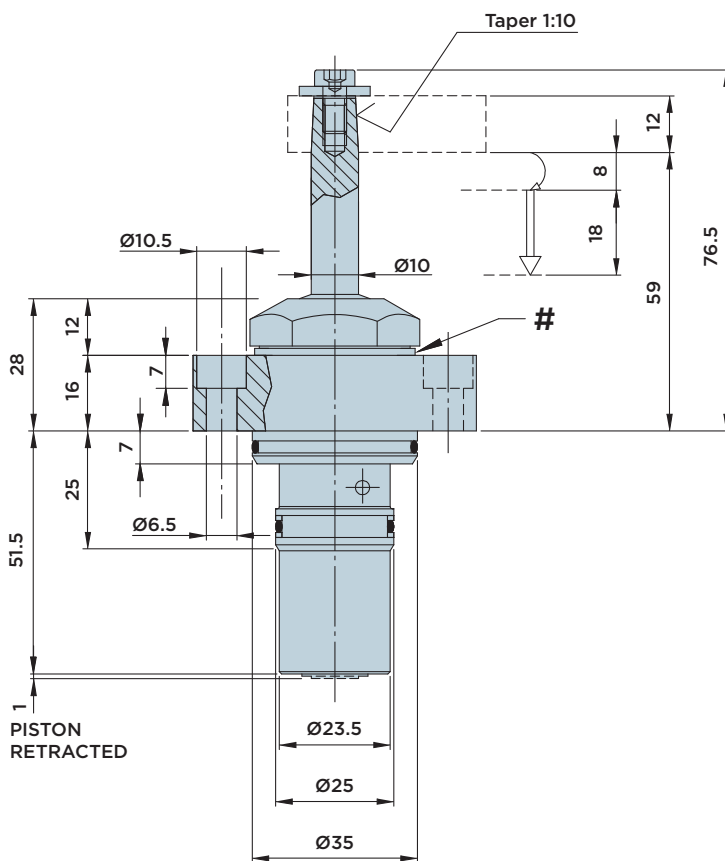


SR10.26 CDZ

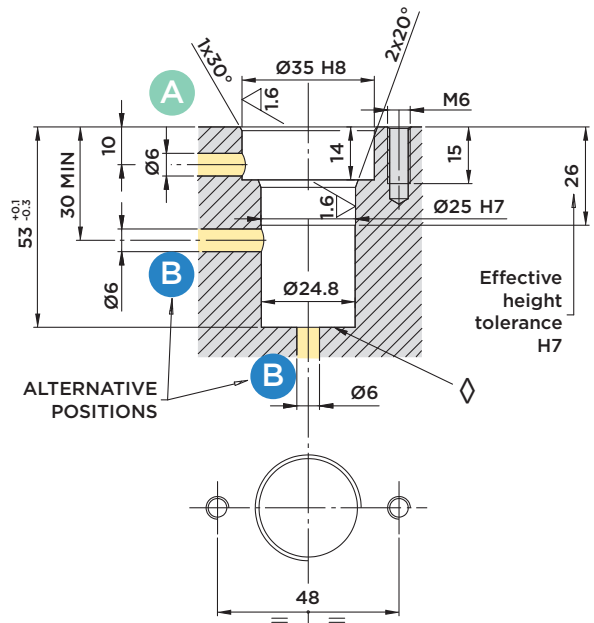


DOUBLE-ACTING SWING CLAMP CYLINDER IN WITH **CARTRIDGE BODY**
AND **MOUNTING FLANGE**

- A** : Clamping
- B** : Unclamping



INSTALLATION DIMENSIONS



◇ Piston contact surface

Included in the scope of supply:

- Mounting screws M6x20 DIN 912/12.9 grade

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized
- Mounting flange: Free machining steel, nitrocarburized

Note:

- Order code, see page 38
- Clamp arms, see page 123
- Clamping force diagram, see page 123

STROKE mm	EFFECTIVE PISTON AREA		TOTAL OIL VOLUME	
	Cm ²		Cm ³	
TOTAL	26	CLAMP. UNCLAMP.	CLAMP.	UNCLAMP.
SWINGING	8	0.75	1.54	2 4
CLAMPING	18			

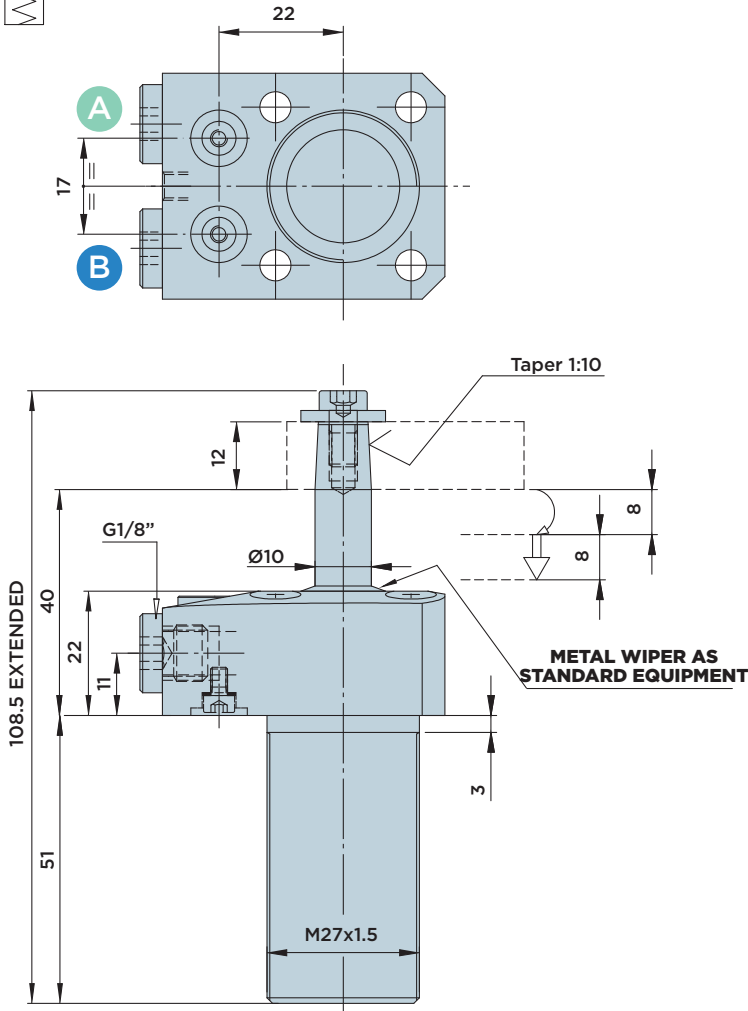
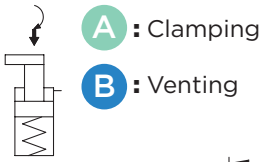


SR10.0 FS

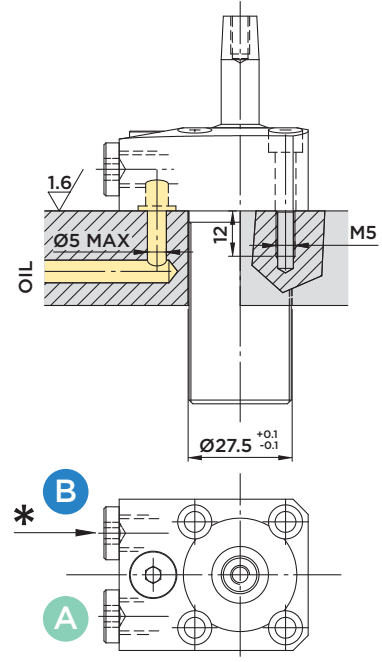


SINGLE-ACTING SWING CLAMP CYLINDER WITH **UPPER FLANGE**

MAX. OPERATING PRESSURE = 350BAR



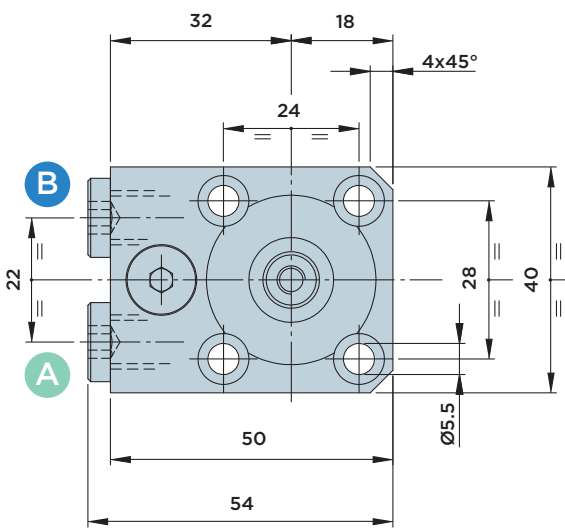
INSTALLATION DIMENSIONS



* When the external vent port is used, a vent pipe must be connected that leads into an area that is free from liquids and chips.

- Included in the scope of supply:**
- Mounting screws M5x25 DIN 912/12.9 grade
 - O-Rings Ø6.75x1.78
- Material:**
- Piston/rod: Case-hardened steel, ground
 - Body: Free machining steel, nitrocarburized

Note:
Order code, see page 38
Clamp arms, see page 131
Clamping force diagram, see page 131



STROKE mm	EFFECTIVE PISTON AREA	TOTAL OIL VOLUME
	Cm ²	Cm ³
TOTAL	16	CLAMP.
SWINGING	8	0.75
CLAMPING	8	1.2



SR10.0 PS

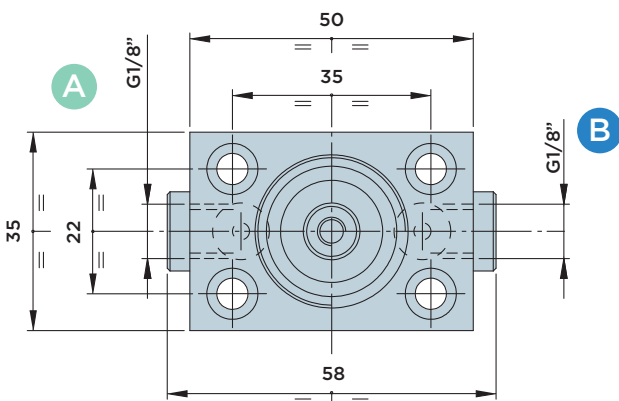
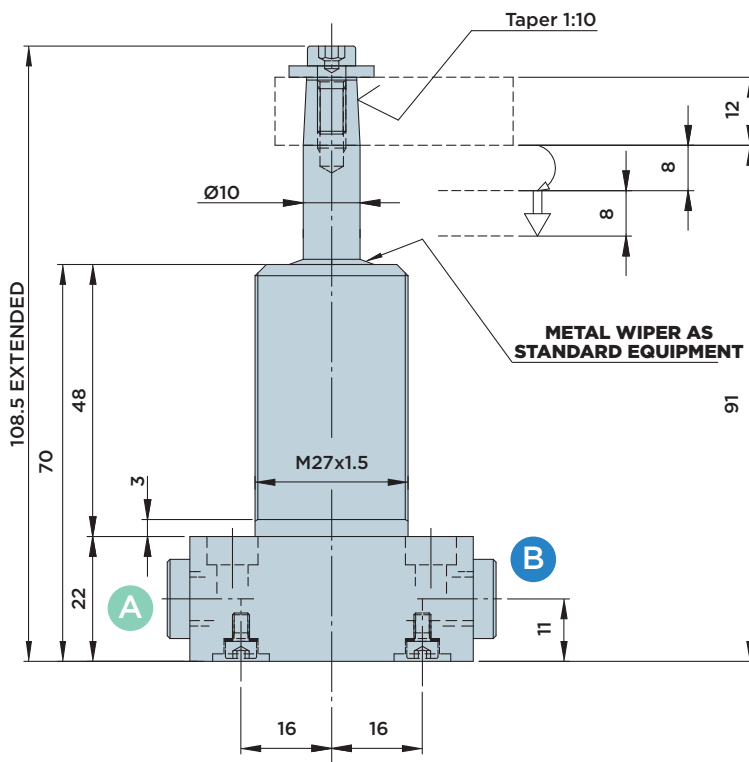


SINGLE-ACTING SWING CLAMP CYLINDER WITH **LOWER FLANGE**

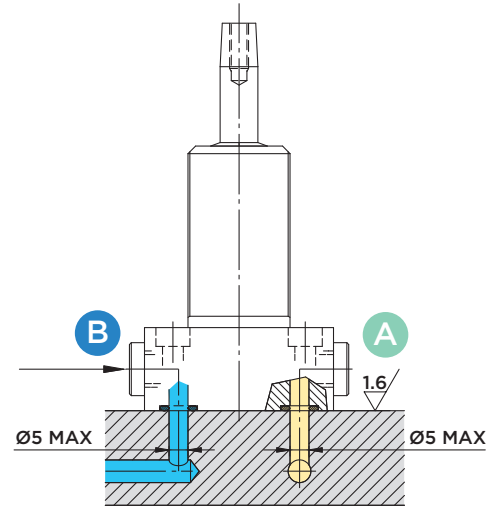
MAX. OPERATING PRESSURE = 350BAR

A : Clamping

B : Venting



INSTALLATION DIMENSIONS



* When the external vent port is used, a vent pipe must be connected that leads into an area that is free from liquids and chips.

Included in the scope of supply:

- Mounting screws M5x25 DIN 912/12.9 grade
- O-Rings Ø6.75x1.78

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized

Note:

Order code, see page 38
 Clamp arms, see page 131
 Clamping force diagram, see page 131

STROKE mm	EFFECTIVE PISTON AREA		TOTAL OIL VOLUME
	Cm ²		Cm ³
TOTAL	16	CLAMP.	CLAMP.
SWINGING	8	0.75	1.2
CLAMPING	8		



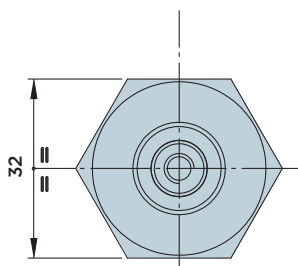
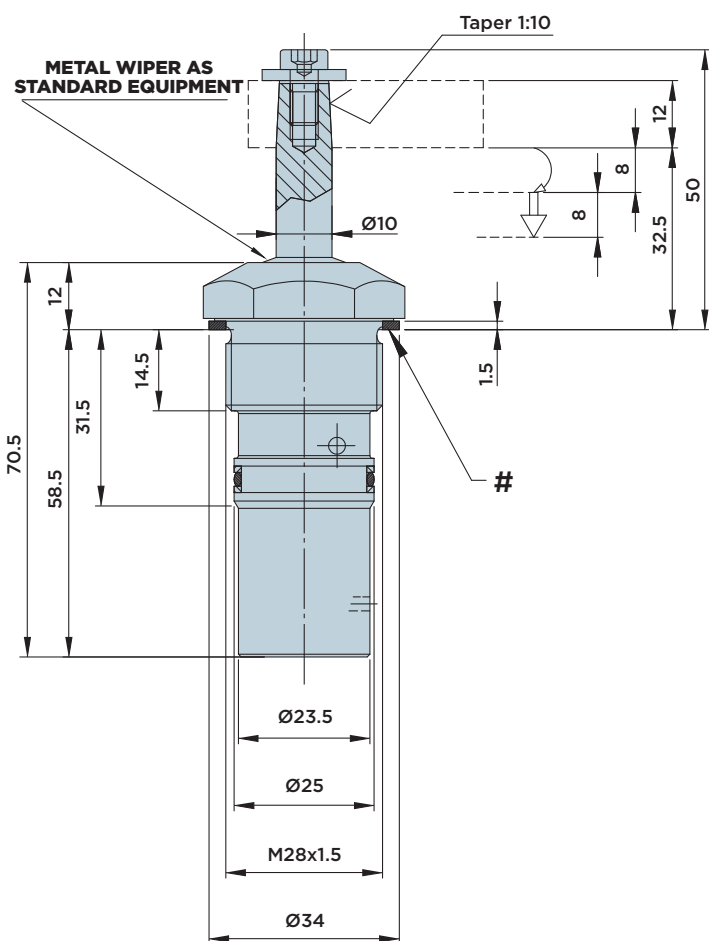
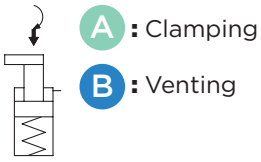
HYDROBLOCK

SR10.0 CS

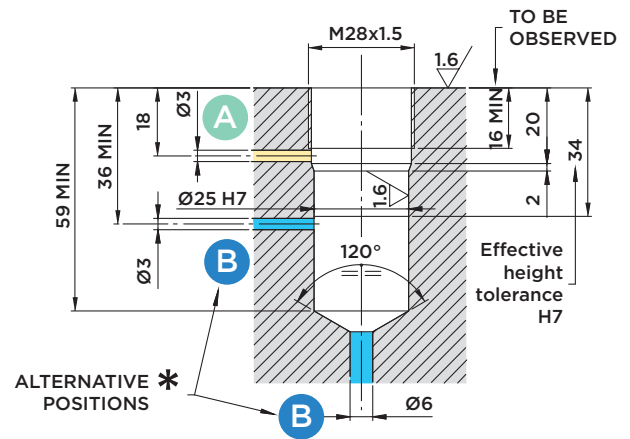


SINGLE-ACTING SWING CLAMP CYLINDER WITH **CARTRIDGE BODY**

MAX. OPERATING PRESSURE = 350BAR



INSTALLATION DIMENSIONS



* In order to ensure correct cylinder operation in the long run, the vent hole must be provided with a vent pipe leading into an area that is free from fluids and chips.

Included in the scope of supply:

- # • Sealing ring $\varnothing 28 \times \varnothing 34 \times 1.5$

ATTENTION:

Owing to the sealing ring at the top of the cylinder, this cylinder can be repositioned several times without the sealing face at the front of the fixture being damaged.

Material:

- Piston/rod: Case-hardened steel, ground
- Body: Free machining steel, nitrocarburized

Note:

Order code, see page 38
Clamp arms, see page 131
Clamping force diagram, see page 131

	STROKE mm	EFFECTIVE PISTON AREA	TOTAL OIL VOLUME
		Cm ²	Cm ³
TOTAL	16	CLAMP.	CLAMP.
SWINGING	8	0.75	1.2
CLAMPING	8		



SR10 FS/PS/CS SERIES

- ACCESSORIES
- EFFECTIVE CLAMPING FORCE

Effective clamping force/Swing times

