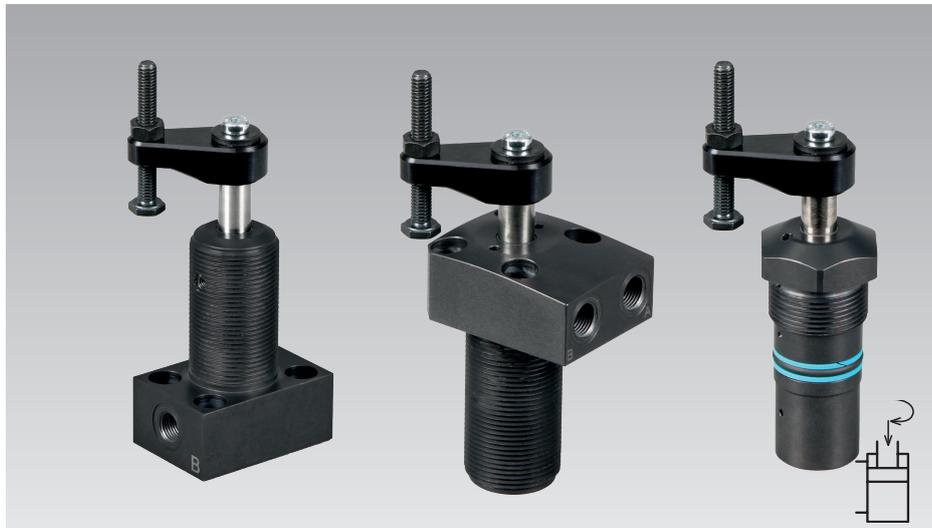




**Compact swing clamps with robust sturdy swing mechanism**  
Bottom flange, top flange, threaded-body type, metal-protected wiper, double-acting, max. operating pressure 350 bar



**Advantages**

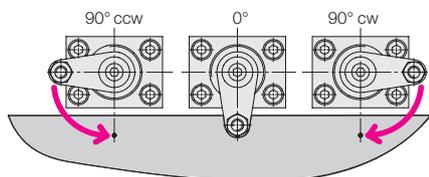
- High clamping force at low operating pressure
- Compact design
- Sturdy swing mechanism
- Metal-protected wiper
- FKM seals as standard
- Special swing angle in standard versions

**Application**

Hydraulic swing clamps are used for clamping of workpieces when it is essential to keep the clamping area free of straps and clamping components for unrestricted workpiece loading and unloading.

**Swing direction**

The swing clamps are available with clockwise or counterclockwise swing motion or without swing motion (0°).

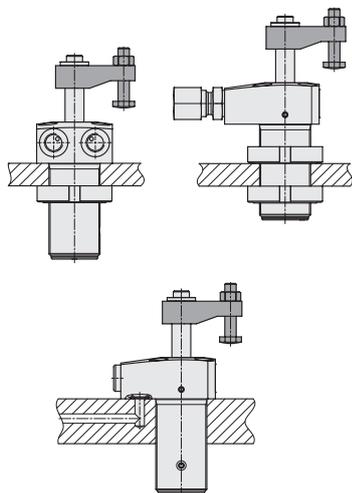


**Accessories** see page 4

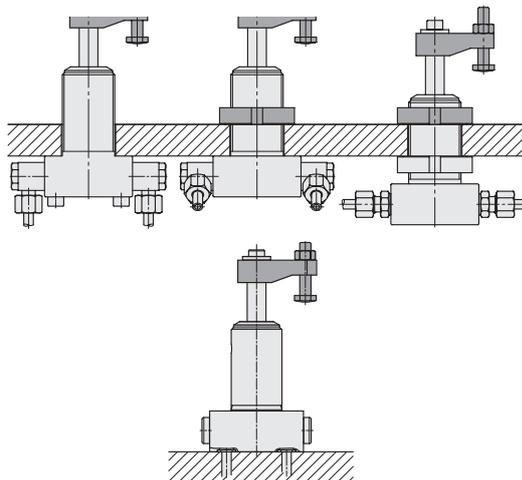
- Clamping arm
- Lock nut

**Connecting types**

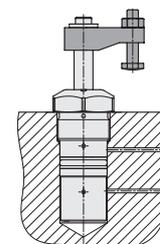
**Top flange**  
pipe threads and drilled channels



**Bottom flange**  
Pipe thread and drilled channels



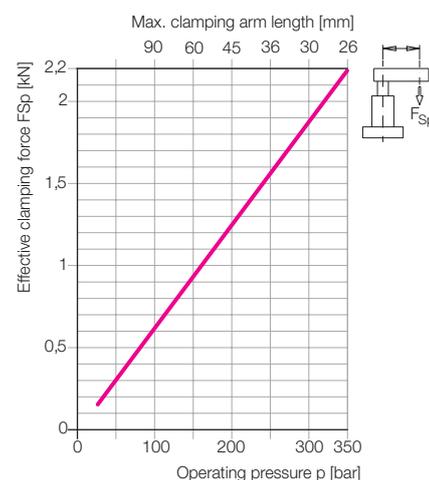
**Threaded-body type**  
Drilled channels



**Technical data**

Piston Ø	[mm]	14
Rod Ø	[mm]	10
Effective piston area		
Clamping	[cm <sup>2</sup> ]	0.754
Unclamping	[cm <sup>2</sup> ]	1.54
Required oil per stroke		
Clamping	[cm <sup>3</sup> ]	1.2
Unclamping	[cm <sup>3</sup> ]	2.5
Max. flow rate		
Clamping	[cm <sup>3</sup> /s]	5
Unclamping	[cm <sup>3</sup> /s]	10
Min. operating press.	[bar]	30
Max. operating press.	[bar]	350
Max. pull force	[kN]	2.63
Effect. clamping force	[kN]	see diagram
Swing angle	[°] (0, 45, 60, 90) ±2	
Swing stroke	[mm]	8
Clamping stroke	[mm]	8
Total stroke	[mm]	16

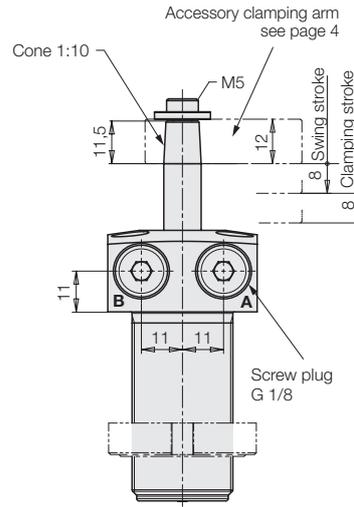
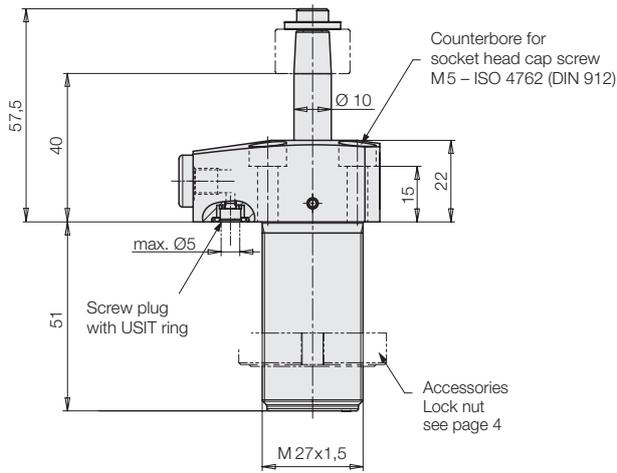
**Clamping force diagram**



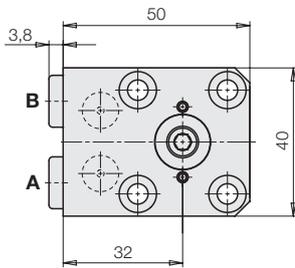
Operating conditions, tolerances and other data see data sheet A 0.100.

## Top flange / bottom flange

### Top flange

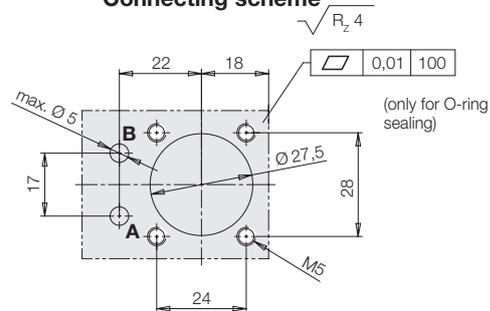


**A** = Clamping  
**B** = Unclamping

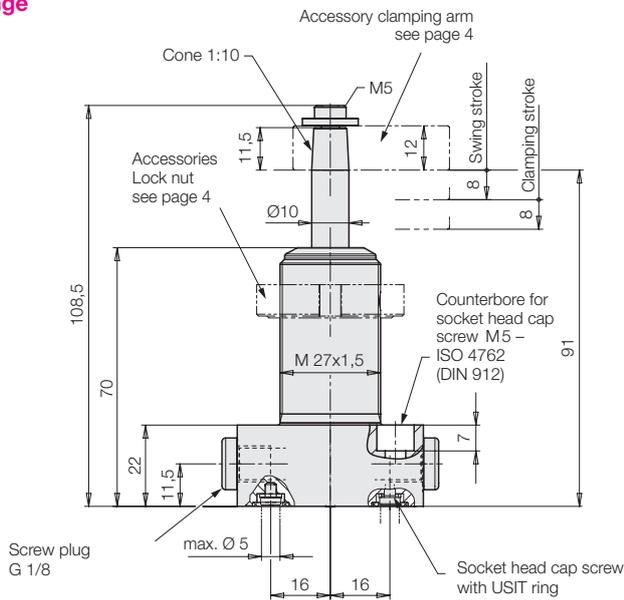


Weight: 0.42 kg

### Connecting scheme



### Bottom flange



### Delivery

Socket head cap screws, screw plugs, and O-rings for the connection with drilled channels are included in the delivery.

### Spare-O-ring (FKM):

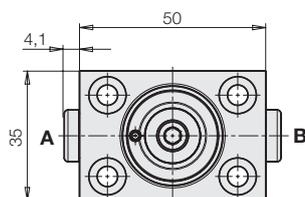
for top flange: 8 × 1,5 mm,

**Part no. 3000275**

for bottom flange: 7 × 1,5 mm,

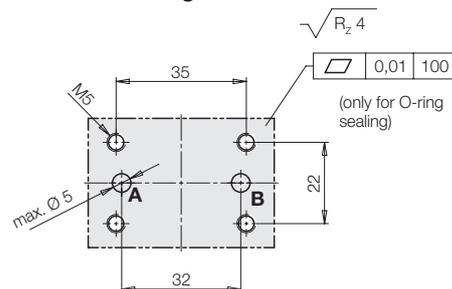
**Part no. 3001077**

**A** = Clamping  
**B** = Unclamping



Weight: 0.42 kg

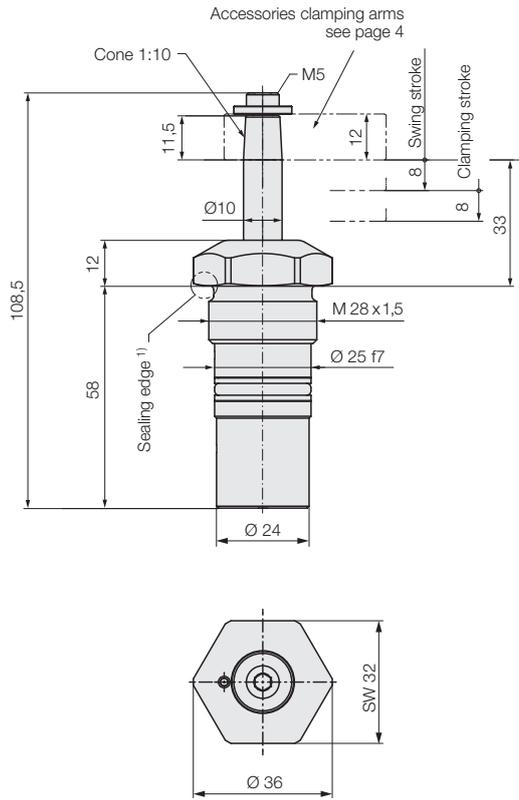
### Connecting scheme



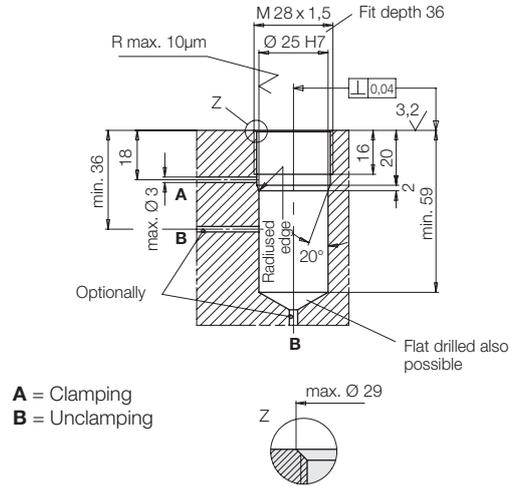
# Threaded-body type

## Code for part numbers

### Threaded-body type



### Location hole



Weight: 0.27 kg

### Code for part numbers

**V1SAFA XK6 X0XX H0XX FE**

#### Design

- B** = Top flange
- G** = Bottom flange
- S** = Threaded-body type

#### Swing angle <sup>2)</sup>

- 45** = 45°
- 60** = 60°
- 90** = 90°
- 00** = 0° (without swing motion)

#### Swing direction

- R** = clockwise
- L** = counterclockwise
- 0** = without swing motion

#### Clamping Stroke

- 08** = 8 mm: for swing angle 45°, 60° and 90°
  - 16** = 16 mm: for swing angle 0°
- At a swing angle of 0°, the clamping stroke of 16 mm corresponds to the total stroke of the swing clamp.

#### Ordering example 1

Top flange = **B**  
 Cw swing motion = **R**  
 Swing angle 45° = **45**

#### Part no.

**V1SAFA BK6 R045 H008FE**

#### Ordering example 2

Bottom flange = **G**  
 Ccw swing motion = **L**  
 Swing angle 90° = **90**

#### Part no.

**V1SAFA GK6 L090 H008FE**

#### Ordering example 3

Threaded-body type = **S**  
 Cw swing motion = **R**  
 Swing angle 60° = **60**

#### Part no.

**V1SAFA SK6 R060 H008FE**

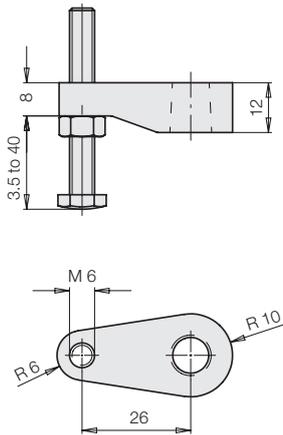
<sup>1)</sup> Only suitable to a limited extent for hardened surfaces or aluminum.  
 A version with an elastomer seal is available on request.

<sup>2)</sup> Swing angles ranging from 15° to 75° in 5° increments are available on request.

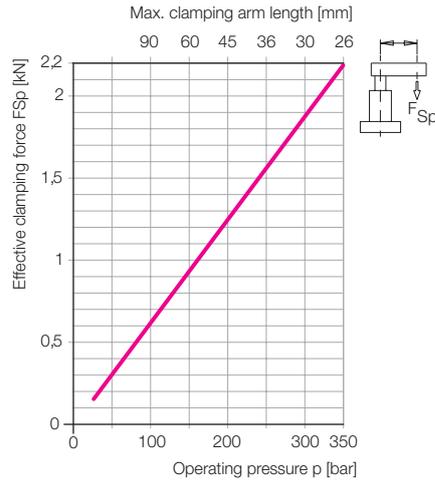
Operating conditions, tolerances and other data see data sheet A 0.100.

**Clamping arm, complete**  
max. 350 bar

Part no. 0354057



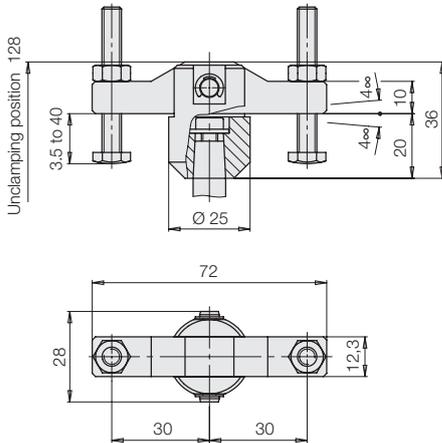
**Clamping force diagram**



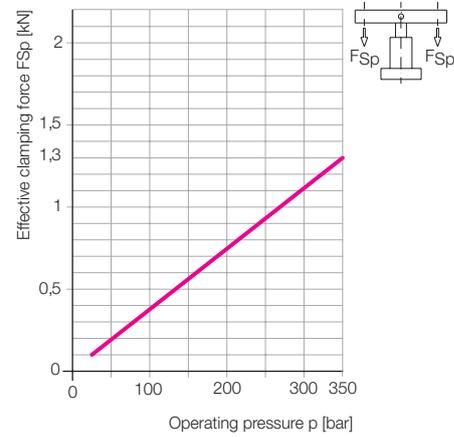
**Double clamping arm, complete**

Part no. 0354082

Contact bolt M 6 x 45  
Part no. 3614138

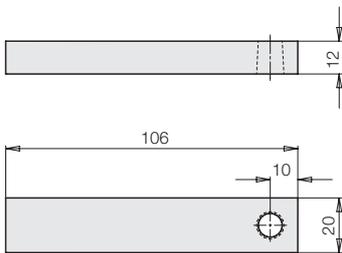


**Clamping force diagram**

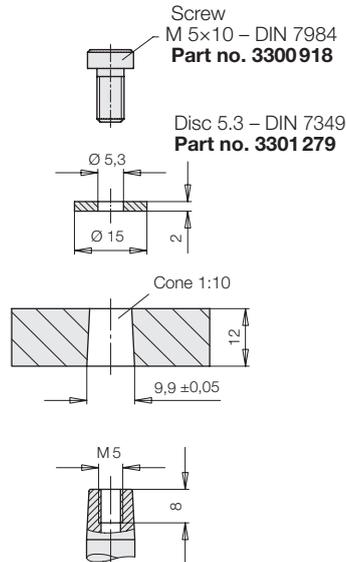


**Clamping arm blank**

Part no. 3548900

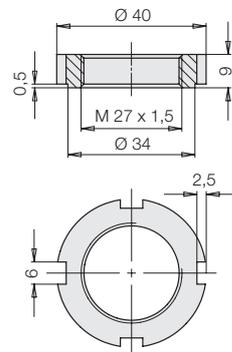


**Dimensions for special clamping arms**



**Lock nut as per DIN 1804**

Part no. 3527076



**Seal kit, universal for all designs**

Part-no. V1 SAF01 DFG0001

Operating conditions, tolerances and other data see data sheet A 0.100.