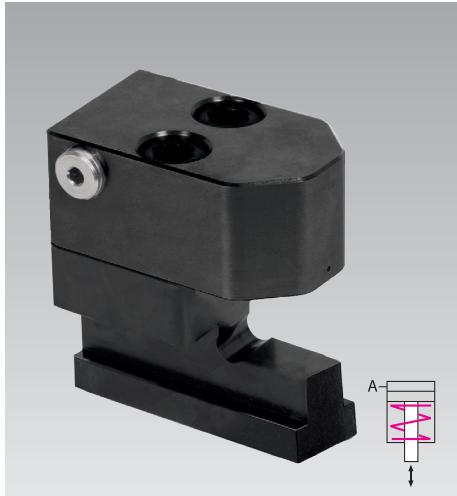




Sliding Clamps

single acting, with spring return

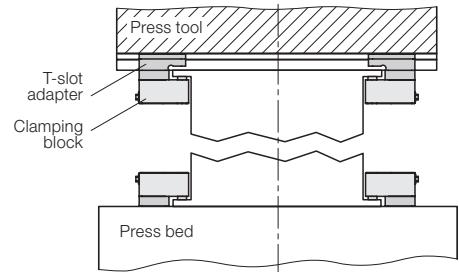
max. operating pressure 400 bar, clamping force from 19 to 78 kN



Advantages

- High clamping force combined with compact design and low weight
- The clamping block is rounded, allowing for optimal adaptation in narrow construction spaces
- T-slot 14, 18, 22, 28 and 36 mm are available
- Total stroke 8 and 12 mm
- Die standardisation with regard to the width and depth is not required
- Easy to retrofit

Installation option



Application

The sliding clamp is a hydraulic clamping element, used with low space requirements for clamping and locking on machines and plants, on press bed and ram.

Due to their handy design, slide clamps are particularly suitable for use in confined spaces

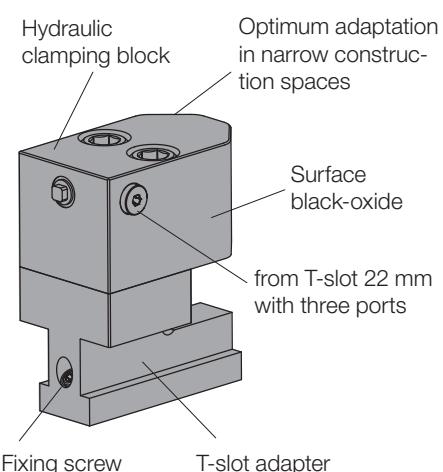
The use is possible at ambient temperatures up to a maximum of 120 °C.

Description

Manual positioning of the sliding clamp in the T-slots of the press ram or bed. Clamping on the die clamping edge by the application of hydraulic pressure to the piston and unclamping by spring force.

The sliding clamp consists of a hydraulic clamping block which will be fixed with two screws to a T-slot adapter.

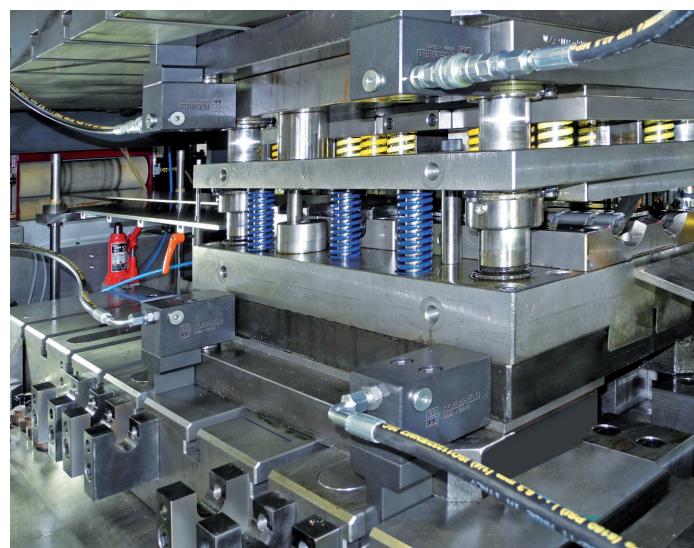
The clamping block can also be directly screwed without T-slot adapter and can be ordered separately.



Application examples



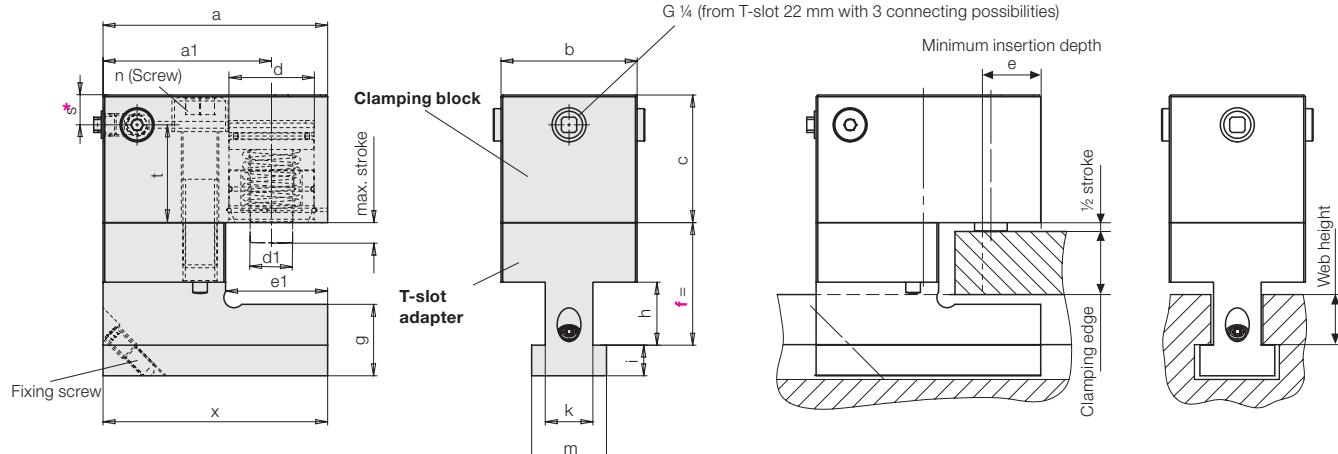
Sliding clamp with T-slot adapter in press bed and ram



Sliding clamp with T-slot adapter in press bed and ram, roller bars and carrying consoles for tool insertion

Technical Data Dimensions

Hydraulic sliding clamp complete, with T-slot adapter



* From T-slot 22 mm with hydraulic ports at the rear and at the side

Functional dimension "f": = $\frac{1}{2}$ stroke
+ die clamping height
+ web height of the T-slot

Please specify when ordering.

Example of ordering

8 2203 1856 / F60

Sliding clamp
Clamping force: 32 kN

T-slot
18 mm

Functional dimension "f" [mm]
Please specify when ordering

| Preferred sizes | | | | | | |
|-------------------------------------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|
| T-slot as per DIN 650 | [mm] | 14 | 18 | 22 | 28 | 28 |
| Clamping force at 400 bar | [kN] | 19.6 | 32 | 50 | 50 | 78 |
| Stroke | [mm] | 8 | 8 | 8 | 8 | 12 |
| Oil volume | [cm³] | 4 | 7 | 10 | 10 | 24 |
| Dimension "f" min. | [mm] | 30 | 41 | 50 | 55 | 60 |
| Dimension "f" max. | [mm] | 75 | 90 | 106 | 112 | 118 |
| a | [mm] | 83 | 104 | 111 | 111 | 132 |
| a1 | [mm] | 65 | 81 | 85 | 85 | 99 |
| b | [mm] | 45 | 65 | 65 | 65 | 80 |
| c | [mm] | 40 | 47 | 50 | 50 | 75 |
| d | [mm] | 25 | 32 | 40 | 40 | 50 |
| d1 | [mm] | 15 | 15 | 20 | 20 | 25 |
| e (min. insertion depth) | [mm] | 22 | 28 | 31 | 31 | 38 |
| e1 | [mm] | 28 | 41 | 48 | 48 | 60 |
| g | [mm] | 20 | 24 | 32 | 42 | 53 |
| h | [mm] | 19 | 25 | 30 | 37 | 46 |
| i | [mm] | 8 | 10 | 14 | 18 | 23 |
| k | [mm] | 14 | 18 | 22 | 28 | 36 |
| m | [mm] | 21 | 28 | 35 | 44 | 54 |
| n (screw DIN 912, 10.9) | | M10 | M16 | M16 | M16 | M20 |
| p | [mm] | 26 | 36 | 36 | 36 | 43 |
| r | [mm] | 40 | 50 | 50 | 50 | 57 |
| s | [mm] | 11 | 12 | 12 | 12 | 17.5 |
| t | [mm] | 29 | 35 | 38 | 38 | 57 |
| x | [mm] | 78 | 104 | 104 | 104 | 132 |
| Clamping block with T-slot adapter | | | | | | |
| Weight | [kg] | 1.5 | 3.2 | 4.2 | 5.4 | 7.8 |
| Part no. | | 82202 1456 | 82203 1856 | 82204 2256 | 82204 2856 | 82205 2856 |
| Clamping block, separate | | | | | | |
| Weight | [kg] | 0.9 | 1.9 | 2.3 | 2.3 | 4.9 |
| Part no. | | 82202 1306 | 82203 1306 | 82204 1306 | 82204 1306 | 82205 1306 |

Please consult us if aggressive spray is used. Max. operating pressure 400 bar, max. operating temperature 120 °C.
Further sizes and special versions are available on request



Preferred sizes with graduated prices:

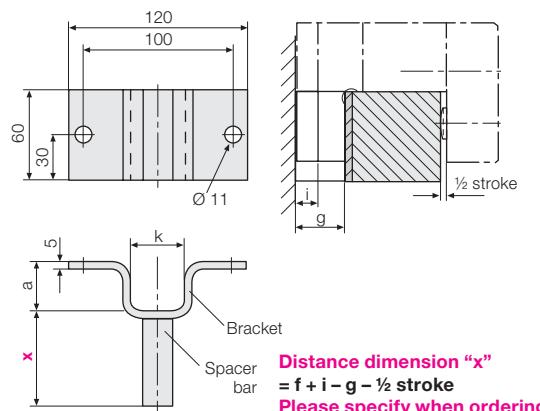
These articles have shorter delivery times and graduated pricing dependent on volume levels.

Parking station

accommodates the sliding clamp during die change

| T-slot as per DIN 650 [mm] | 14 | 18 | 22 | 28 | 36 |
|----------------------------|----|----|----|----|----|
| a [mm] | 21 | 25 | 33 | 43 | 53 |
| k [mm] | 23 | 30 | 37 | 46 | 46 |
| i [mm] | 8 | 10 | 14 | 18 | 23 |
| g [mm] | 20 | 24 | 32 | 42 | 42 |

Values in brackets for T-slot 14 mm



Parking station complete (with bracket and spacer bar)

Part no. 827541450 827541850 827542250 827542850 827543650

Bracket

Part no. 827541400 2754180 2754220 2754280 550700117

Spacer bar

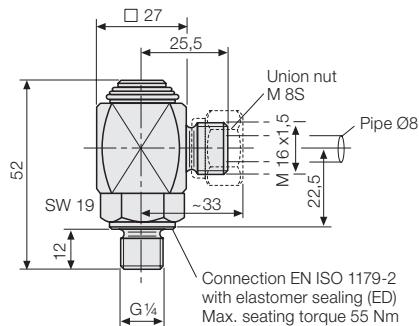
Part no. 504951400 2754500 2754500 2754500 504951358

Angular rotary coupling (M 8S / G 1/4)

Part no. 9208176

For easier handling when changing dies.

Max. operating pressure 400 bar



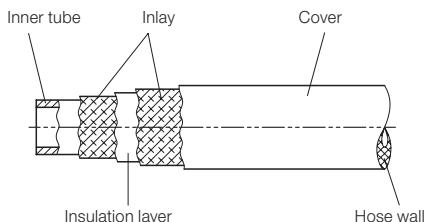
Hydraulic high-pressure hoses

assembled ready for connection

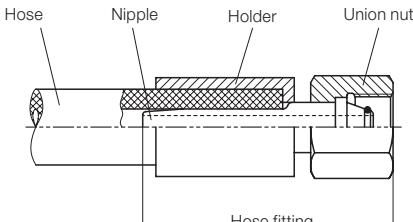
max. operating pressure 250 / 500 bar

High-pressure hoses are used for energy and signal transmission in hydraulic systems. The hose lengths should be generously dimensioned to avoid kinks, abrasion marks, torsion, tensile and compressive stress and unacceptable bending radii.

Hose structure



Hose union



High-pressure hose

| | ND | 4 | 4 | 6.3 | 6 |
|-------------------------|-------|------------------|------------------|------------------|------------------|
| Max. operating pressure | [bar] | 250 | 500 | 250 | 500 |
| Port size | | 8L | 8S | 8L | 8S |
| Union nut | | m8L (M 14 x 1.5) | m8S (M 16 x 1.5) | m8L (M 14 x 1.5) | m8S (M 16 x 1.5) |
| SW | [mm] | 17 | 19 | 17 | 19 |

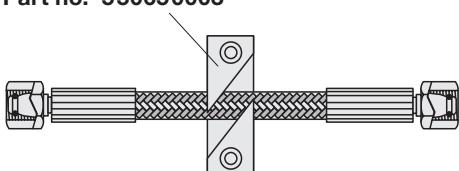
| | | | | | | |
|-------------------|---------|------|------------|------------|------------|------------|
| Preferred lengths | L = 500 | [mm] | 9375100500 | 9375200500 | 9320600500 | 9370600500 |
| | 1000 | [mm] | 9375101000 | 9375201000 | 9320601000 | 9370601000 |
| | 1600 | [mm] | 9375101600 | 9375201600 | 9320601600 | 9370601600 |
| | 2500 | [mm] | 9375102500 | 9375202500 | 9320602500 | 9370602500 |

Other hose connections left / right on request. For further information and technical data, see data sheet WZ 11.3800

Accessory

Hose holder made from Delrin

Part no. 550650003



Other accessories

Hydraulic power units

see product group 7

Hydraulic accessories

see product group 11