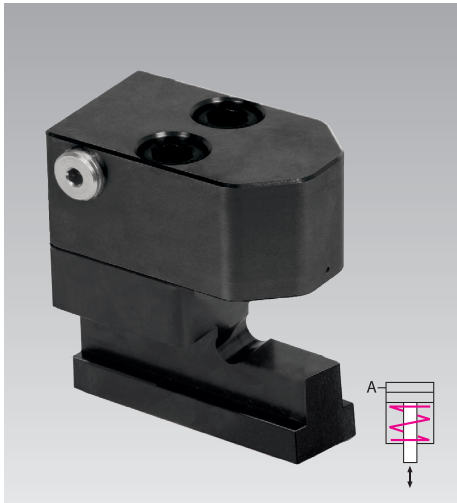




Sliding Clamps

single acting, with spring return

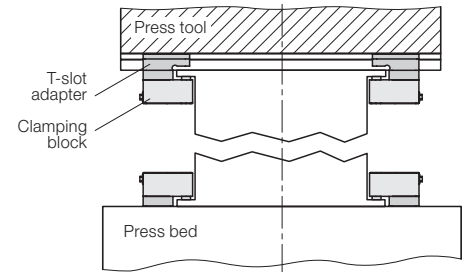
max. operating pressure 400 bar, clamping force from 19 to 78 kN



Advantages

- High clamping force combined with compact design and low weight
- The clamping block is rounded, allowing for optimal adaptation in narrow spaces
- T-slot 14, 18, 22, 28 and 36 mm available
- Total stroke 8 and 12 mm
- Standardization of the die 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 dies and molds in presses.

Due to their compact design, sliding clamps are particularly suitable for use in confined spaces.

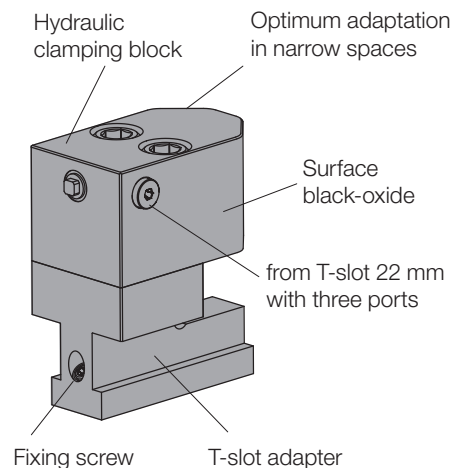
The clamps are suitable for use in ambient temperatures up to a maximum of 120°C.

Description

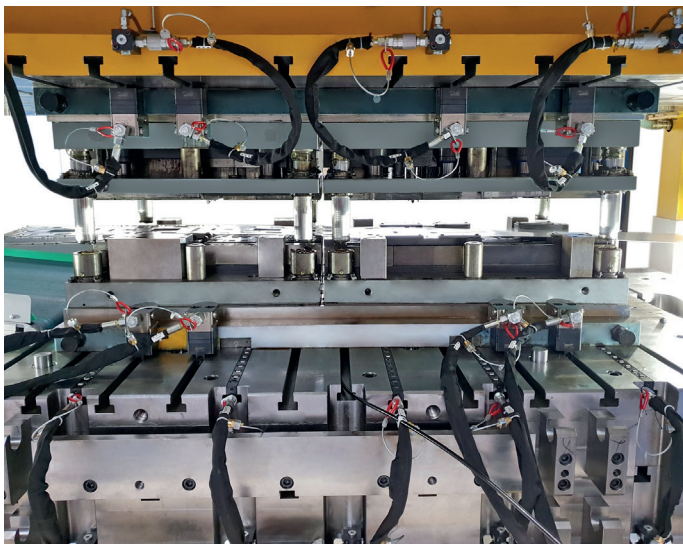
The sliding clamp is manually positioned in the T-slots of the press. Hydraulic pressure on the piston is used to clamp on the edge of the die. Spring force is used to unclamp.

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

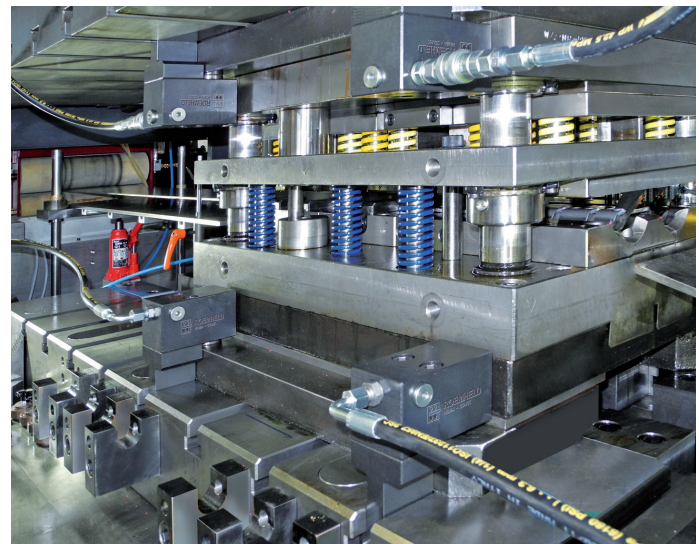
The clamping block can also be directly screwed without T-slot adapter and can be ordered separately.



Application examples



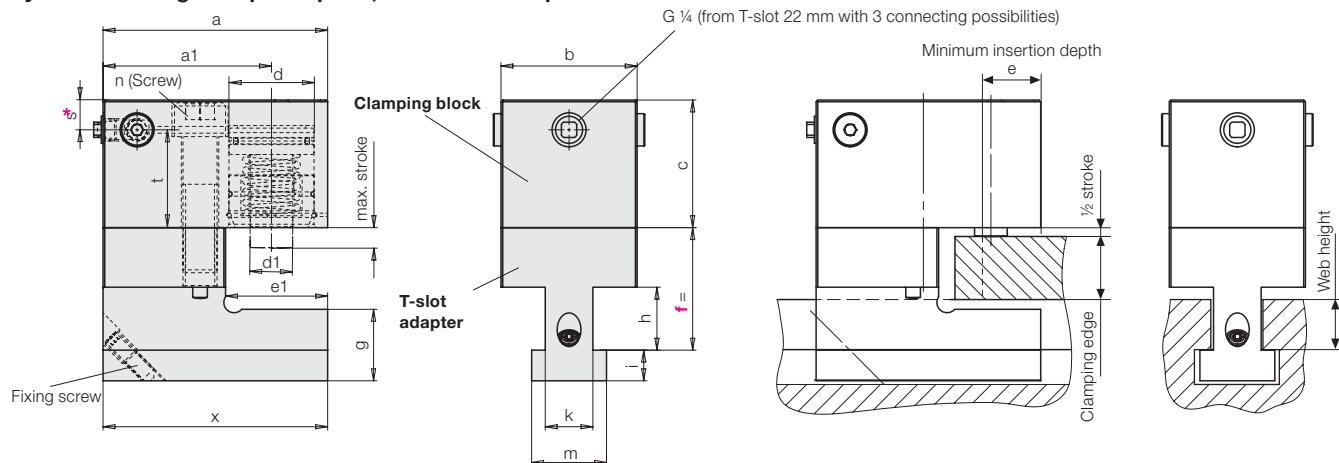
Sliding clamp with T-slot adapter in press bed and ram



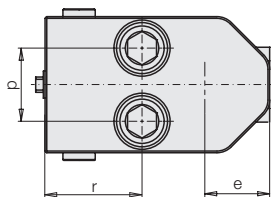
Sliding clamp with T-slot adapter in press bed and ram, roller bars and carrying consoles for tool insertion

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": = ½ 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	36
Clamping force at 400 bar	[kN]	19.6	32	50	50	78	78
Stroke	[mm]	8	8	8	8	12	12
Oil volume	[cm³]	4	7	10	10	24	24
Dimension "f" min.	[mm]	30	41	50	55	60	69
Dimension "f" max.	[mm]	75	90	106	112	118	127
a	[mm]	83	104	111	111	132	132
a1	[mm]	65	81	85	85	99	99
b	[mm]	45	65	65	65	80	80
c	[mm]	40	47	50	50	75	75
d	[mm]	25	32	40	40	50	50
d1	[mm]	15	15	20	20	25	25
e (min. insertion depth)	[mm]	22	28	31	31	38	38
e1	[mm]	28	41	48	48	60	60
g	[mm]	20	24	32	42	42	53
h	[mm]	19	25	30	37	37	46
i	[mm]	8	10	14	18	18	23
k	[mm]	14	18	22	28	28	36
m	[mm]	21	28	35	44	44	54
n (screw DIN 912, 10.9)		M10	M16	M16	M16	M20	M20
p	[mm]	26	36	36	36	43	43
r	[mm]	40	50	50	50	57	57
s	[mm]	11	12	12	12	17.5	17.5
t	[mm]	29	35	38	38	57	57
x	[mm]	78	104	104	104	132	132
Clamping block with T-slot adapter							
Weight	[kg]	1.5	3.2	4.2	5.4	7.8	9.7
Part no.		822021456	822031856	822042256	822042856	822052856	822053656
Clamping block, separate							
Weight	[kg]	0.9	1.9	2.3	2.3	4.9	4.9
Part no.		822021306	822031306	822041306	822041306	822051306	822051306

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 volume pricing:

These items offer shorter lead times and tiered pricing based on order quantity.

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

Parking station complete (with bracket and spacer bar)

Part no. 827541450 827541850 827542250 827542850 827543650

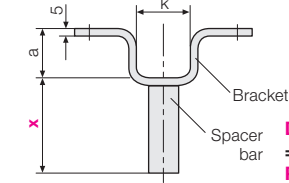
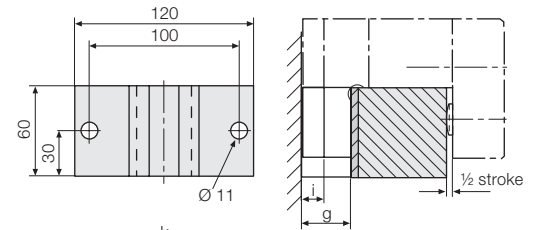
Bracket

Part no. 827541400 2754180 2754220 2754280 550700117

Spacer bar

Part no. 504951400 2754500 2754500 2754500 504951358

Values in brackets for T-slot 14 mm

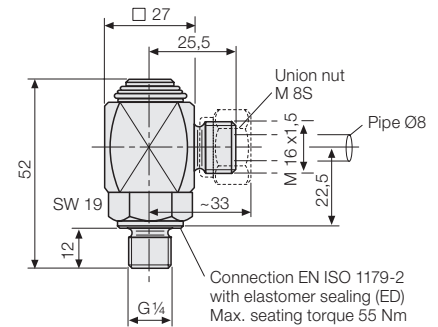


Distance dimension "x"
= $f + i - g - \frac{1}{2} \text{ stroke}$
Please specify when ordering

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

Part no. 9208176

For easier handling when changing dies.
Max. operating pressure 400 bar



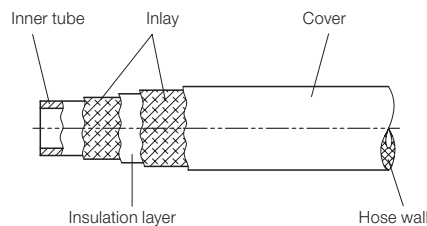
Hydraulic high-pressure hoses

assembled ready for connection

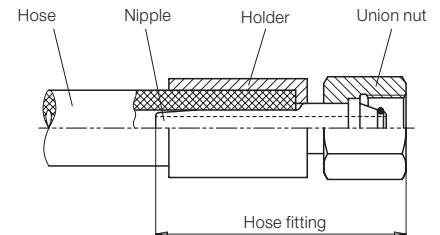
max. operating pressure 250 / 500 bar

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 14x1.5)	m8S (M 16x1.5)	m8L (M 14x1.5)	m8S (M 16x1.5)
SW	[mm]	17	19	17	19

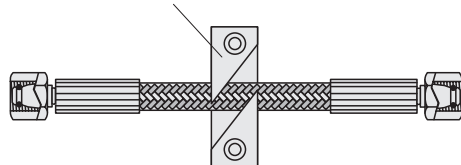
Preferred lengths	L =	500	[mm]	9375100500	9375200500	9320600500	9370600500
	1000	[mm]	9375101000	9375201000	9320601000	9370601000	
	1600	[mm]	9375101600	9375201600	9320601600	9370601600	
	2500	[mm]	9375102500	9375202500	9320602500	9370602500	

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