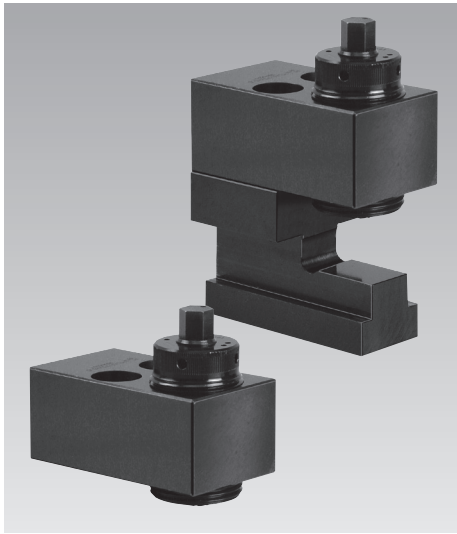


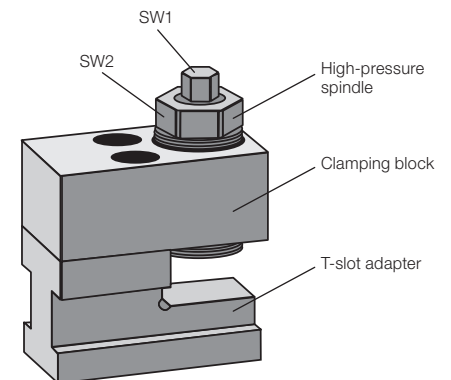


Sliding Clamps, Mechanical with integral high-pressure spindle clamping force 40 and 80 kN



Advantages

- Easy to retrofit
- Temperature resistance up to 250 °C
- Compact design
- Simple operation
- High clamping force with low torque
- Clamping force 40 kN and 80 kN
- Large clamping edge tolerances are possible
- Self-locking due to patented wedge system
- Die standardisation with regard to the width and depth is not required



Application

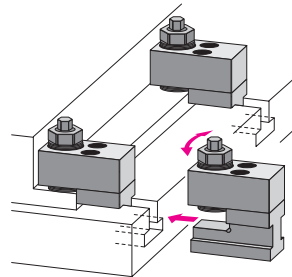
- Clamping and locking of dies on press bed and ram
- On machine tool tables
- When the available space is limited

Description

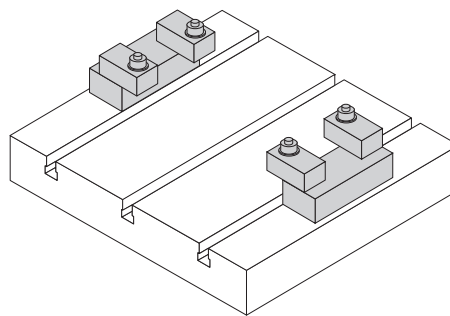
The sliding clamp is manually placed in the T-slots and screwed against the die clamping edge. Once the high-pressure spindle has been adjusted to suit the height of the clamping edge, the clamping force is built up by turning the hexagon nut (SW 1) in a clockwise direction. The clamping force achieved depends on the set tightening torque of the torque wrench.

The clamping block can also be directly screwed without T-slot adapter and can be ordered separately. When using the clamping block without T-slot adapter, the high-pressure spindle is to be manually screwed against the clamping edge so that there is no play.

Installation examples



Clamping block with T-slot adapter

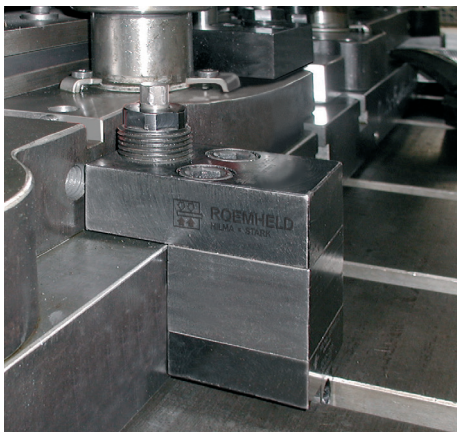


Clamping block with integral high-pressure spindle mounted on spacer bars

Important notes!

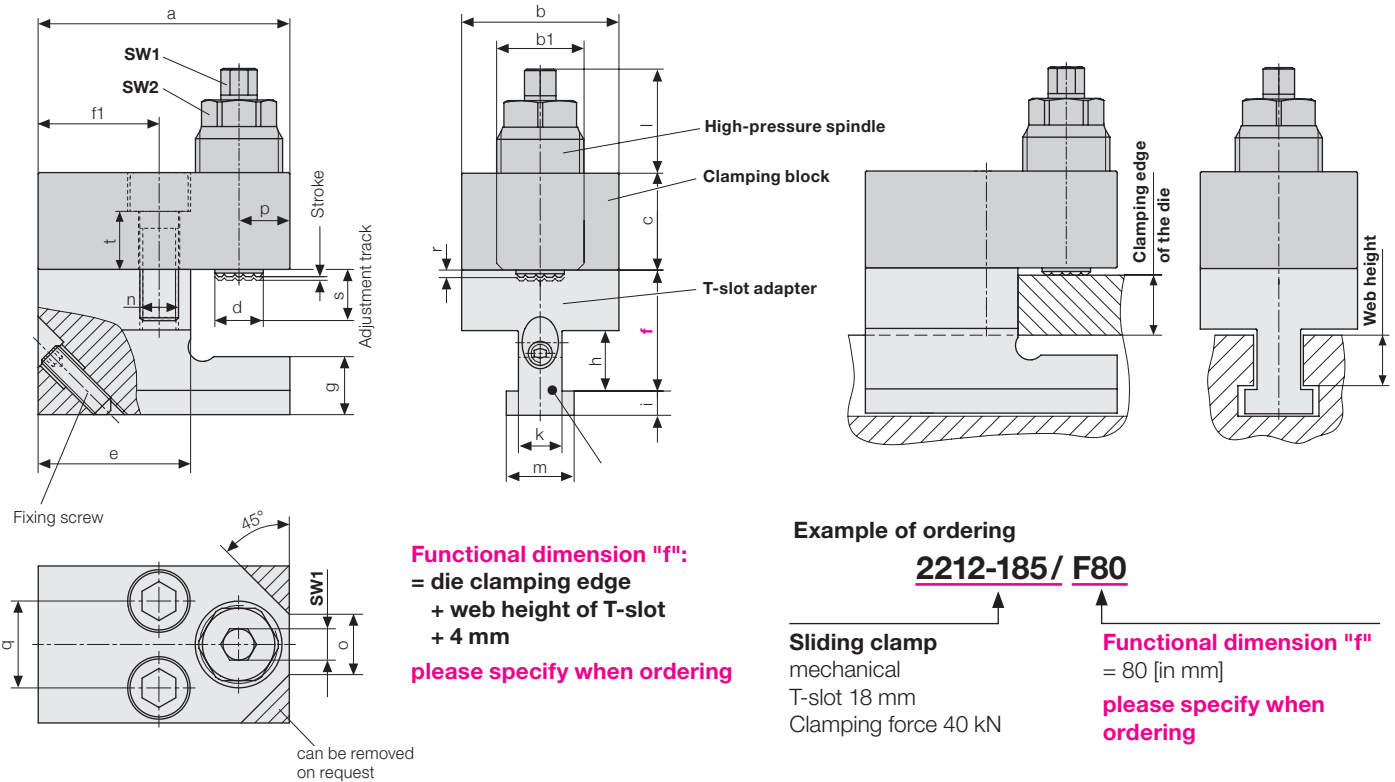
Before applying the tightening torque, the high-pressure spindle must be screwed against the clamping edge so that there is no play. If the parts are not rigid, tighten the high-pressure spindle using the hexagon nut SW2 until there is no play.

Application example



Use of mechanical sliding clamps on a machine table

Dimensions Technical data



Technical data

| T-slot as per DIN 650 | [mm] | 18 | 22 | 28 |
|----------------------------|-------------|-----------|-----------|-----------|
| Clamping force | [kN] | 40 | 40 | 80 |
| Clamping stroke | [mm] | 1.5 | 1.5 | 2.2 |
| Max. tightening torque | [Nm] | 30 | 30 | 70 |
| Max. operating temperature | [°C] | 250 | 250 | 250 |
| a | [mm] | 104 | 104 | 126 |
| b | [mm] | 65 | 65 | 80 |
| b1 | [mm] | M 36 x 3 | M 36 x 3 | M 48 x 3 |
| c | [mm] | 40 | 40 | 50 |
| d | [mm] | 19 | 19 | 28 |
| e | [mm] | 63 | 63 | 72 |
| f min. – max. | [mm] | 50 – 106 | 56 – 106 | 72 – 131 |
| f1 | [mm] | 50 | 50 | 57 |
| g | [mm] | 24 | 32 | 42 |
| h | [mm] | 25 | 30 | 37 |
| i | [mm] | 10 | 14 | 18 |
| k | [mm] | 18 | 22 | 28 |
| l | [mm] | 50 | 50 | 60 |
| m | [mm] | 28 | 35 | 44 |
| n (screw DIN 912, 10.9) | [mm] | M 16 | M 16 | M 20 |
| o | [mm] | 24 | 24 | 30 |
| p | [mm] | 21 | 21 | 27 |
| q | [mm] | 36 | 36 | 43 |
| r | [mm] | 3 | 3 | 3 |
| Max. adjustment track s | [mm] | 30 | 30 | 35 |
| t | [mm] | 24 | 24 | 29 |
| SW 1 | [mm] | 13 | 13 | 17 |
| SW 2 | [mm] | 30 | 30 | 41 |

Clamping block with T-slot adapter

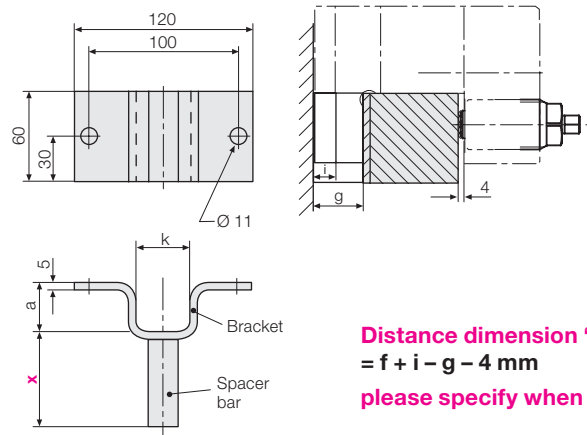
| | | | | |
|-----------------|------|----------------|----------------|----------------|
| Weight | [kg] | 3.7 | 4.0 | 6.5 |
| Part no. | | 2212185 | 2212225 | 2213285 |

Clamping block, separate

| | | | | |
|-----------------|------|----------------|----------------|----------------|
| Weight | [kg] | 2.3 | 2.3 | 4.0 |
| Part no. | | 2212111 | 2212111 | 2213111 |

Accessory

Parking station accommodates the sliding clamp during die change



Part numbers

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

Parking station complete

with bracket and spacer bar

827541850 827542250 827542850

Bracket separate

2754180 2754220 2754280

Spacer bar separate

2754500 2754500 2754500

Torque wrench 20 – 100 Nm

Part no. 937926610

