

- 3 Type**
- S** With clamping screw
  - K** With adjustable lever with increased clamping force

### Specification

- Body  
Steel
  - Case-hardened
  - Blackened finish
- T-Nut
  - High quality steel, blackened finish
  - Property class 10
- Set screw DIN 913  
Steel, blackened finish
- Adjustable lever with increased clamping force (Type K)
  - Zinc die-cast
  - Powder coated
  - Black RAL 9005, textured finish
  - Threaded stud / bushing
  - Steel, nitrided, blackened finish
- *Strength Values of Nuts* → page QVX
- **RoHS compliant**

### Accessory

- Positioning ring GN 9192.2 → page QVX
- Height adjusting cylinder GN 9192.3  
→ page QVX

### Information

Down-thrust clamps GN 9192 are compact clamping elements for quick and secure clamping in tool and fixture construction. Rotating and tightening the clamping screw or the adjustable lever moves the clamping arm downwards to clamp the workpiece.

The clamping arm can be swiveled 360° by hand so that workpieces can be inserted and removed from above quickly and easily. The thread on the clamping arm  $d_3$  can be used for positioning elements and clamping pads.

Positioning ring GN 9192.2, available as an accessory, limits the swiveling range of down-thrust clamps to 110° left or right via a positioning pin. The position of the ring can be adjusted to ensure that the clamping position is reached reliably when the clamp swivels over the positioning pin.

Down-thrust clamps can be screwed in directly, e.g. in a mounting plate, or fastened to machine tables with T-slots. Height adjusting cylinders GN 9192.3 can be used to increase the clamping height. The adjustable lever (type K) is supplied loose.

#### How to order

**GN9192-40-30-S**

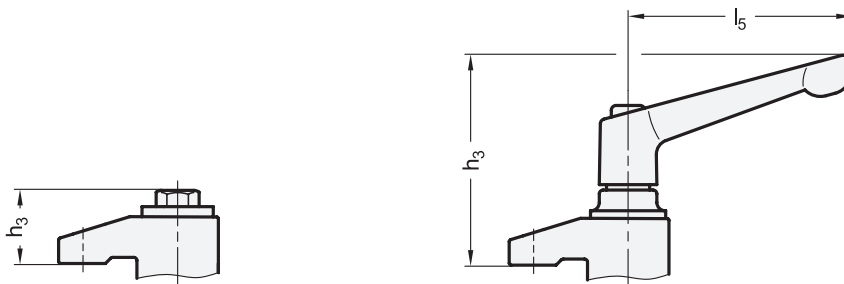
- |   |                |
|---|----------------|
| 1 | Diameter $d_1$ |
| 2 | Stroke $w$     |
| 3 | Type           |

**Metric table**

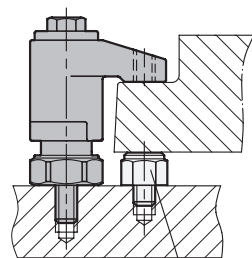
Dimensions in: millimeters - inches

| d <sub>1</sub> | w<br>Stroke | F <sub>H</sub><br>Holding capacity | b <sub>1</sub> | b <sub>2</sub> | d <sub>2</sub> | d <sub>3</sub> | h <sub>1</sub> |             | h <sub>2</sub> |
|----------------|-------------|------------------------------------|----------------|----------------|----------------|----------------|----------------|-------------|----------------|
|                |             |                                    |                |                |                |                | min.           | max.        |                |
| 25<br>0.98     | 5<br>0.20   | 5 kN<br>1124 lbf                   | 26<br>1.02     | 10<br>0.39     | M 8            | M 8            | 30<br>1.18     | 35<br>1.38  | 10<br>0.39     |
| 40<br>1.57     | 20<br>0.79  | 10 kN<br>2248 lbf                  | 40<br>1.57     | 17<br>0.67     | M 12           | M 12           | 50<br>1.97     | 70<br>2.76  | 15<br>0.59     |
| 40<br>1.57     | 30<br>1.18  | 10 kN<br>2248 lbf                  | 40<br>1.57     | 17<br>0.67     | M 12           | M 12           | 68<br>2.68     | 98<br>3.86  | 15<br>0.59     |
| 40<br>1.57     | 40<br>1.57  | 10 kN<br>2248 lbf                  | 40<br>1.57     | 17<br>0.67     | M 12           | M 12           | 95<br>3.74     | 135<br>5.31 | 22<br>0.87     |

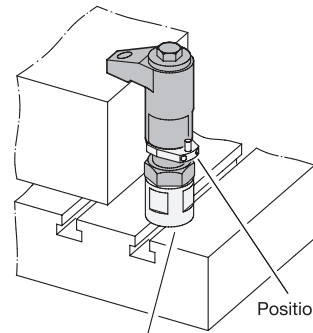
| d <sub>1</sub> | h <sub>3</sub> |              | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> | A/F        |
|----------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|------------|
|                | Type S         | Type K       |                |                |                |                |                |            |
| 25<br>0.98     | 20.9<br>0.82   | 72.5<br>2.85 | 49.5<br>1.95   | 35<br>1.38     | 28<br>1.10     | 20<br>0.79     | 78<br>3.07     | 22<br>0.87 |
| 40<br>1.57     | 36<br>1.42     | 105<br>4.13  | 75<br>2.95     | 55<br>2.17     | 43<br>1.69     | 35<br>1.38     | 108<br>4.25    | 36<br>1.42 |
| 40<br>1.57     | 36<br>1.42     | 105<br>4.13  | 75<br>2.95     | 55<br>2.17     | 43<br>1.69     | 35<br>1.38     | 108<br>4.25    | 36<br>1.42 |
| 40<br>1.57     | 36<br>1.42     | 105<br>4.13  | 75<br>2.95     | 55<br>2.17     | 43<br>1.69     | 35<br>1.38     | 108<br>4.25    | 36<br>1.42 |



**Application examples**



Positioning element GN 408.1



Positioning ring GN 9192.2  
Height adjusting cylinder GN 9192.3

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

