

## Push Plungers • with pin, protected against rotating EH 23230.



### Product Description

The push plunger is suitable for easy and safe positioning of workpieces or components at stops and support points prior to clamping or assembly.  
Locating pins of your own profile or design can be attached to our threaded pin types.

### Material

#### Pin

- Steel, case-hardened, blackened

#### Body

- Steel, zinc-plated by galvanization

#### Grub Screw

- Steel, blackened, with brass pad

#### Mounting block

- Zinc die-cast, plastic coated, black

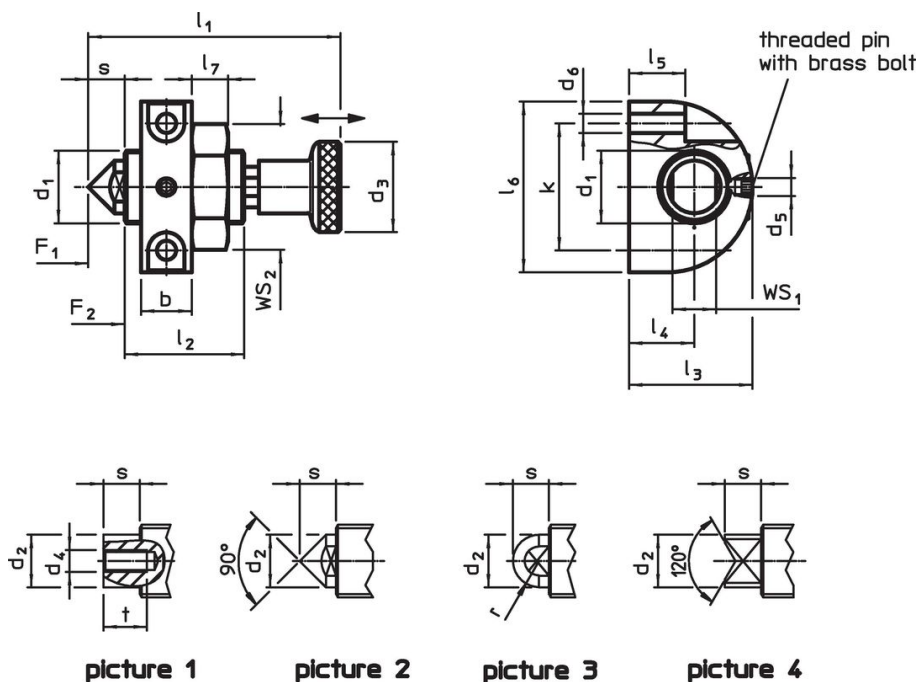
#### Knob

- Steel, blackened

#### Lock nut

- Steel, blackened

### Drawing



### Order information

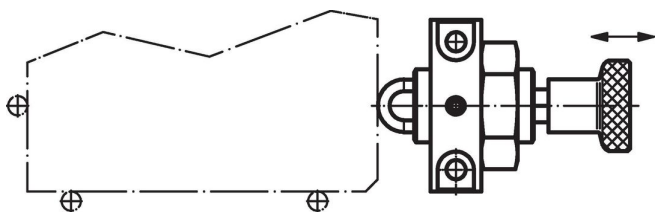
| Dimensions                     |                |                |                |                |                |                |                |                |                |                |                |                |    |   |    | Stroke<br>s | WS              |                 | Spring load <sup>1)</sup> |                |  |  | Art. No. |            |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|---|----|-------------|-----------------|-----------------|---------------------------|----------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|------------|
| d <sub>1</sub>                 | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | d <sub>6</sub> | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> | l <sub>6</sub> | l <sub>7</sub> | t  | r | b  | k           | WS <sub>1</sub> | WS <sub>2</sub> | F <sub>1</sub>            | F <sub>2</sub> | max.                                                                                  |                                                                                       |          |            |
| [mm]                           |                |                |                |                |                |                |                |                |                |                |                |                |    |   |    | [mm]        | [mm]            |                 | [N]                       |                | [°C]                                                                                  | [g]                                                                                   |          |            |
| with female thread – picture 1 |                |                |                |                |                |                |                |                |                |                |                |                |    |   |    |             |                 |                 |                           |                |                                                                                       |                                                                                       |          |            |
| M12 x 1,5                      | 9.0            | 21             | M4             | M4             | 4.3            | 46.0           | 19             | 26             | 14             | 11.5           | 35             | 6              | 8  | – | 12 | 25          | 6               | 8               | 19                        | 16             | 35                                                                                    | 100                                                                                   | 85       | 23230.0510 |
| M16 x 1,5                      | 12.0           | 21             | M5             | M5             | 5.3            | 56.0           | 27             | 34             | 18             | 15.5           | 47             | 8              | 10 | – | 14 | 35          | 8               | 10              | 24                        | 25             | 71                                                                                    | 100                                                                                   | 153      | 23230.0512 |
| M20 x 1,5                      | 14.5           | 25             | M6             | M5             | 5.3            | 69.5           | 33             | 34             | 18             | 15.5           | 47             | 10             | 12 | – | 14 | 35          | 10              | 12              | 30                        | 40             | 130                                                                                   | 100                                                                                   | 213      | 23230.0514 |

<sup>1)</sup> statistical average value

| Dimensions                           |                |                |                |                |                |                |                |                |                |                        |                |                |           |     |    |    | Stroke<br>s | WS              |                 | Spring load <sup>1)</sup> |                | max. |     | Art. No.   |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------|----------------|----------------|-----------|-----|----|----|-------------|-----------------|-----------------|---------------------------|----------------|------|-----|------------|
| d <sub>1</sub>                       | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | d <sub>6</sub> | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub><br>-0.2 | l <sub>6</sub> | l <sub>7</sub> | t<br>min. | r   | b  | k  | [mm]        | WS <sub>1</sub> | WS <sub>2</sub> | F <sub>1</sub>            | F <sub>2</sub> | [°C] | [g] |            |
| [mm]                                 |                |                |                |                |                |                |                |                |                |                        |                |                |           |     |    |    |             | [mm]            |                 | [N]                       |                |      |     |            |
| <b>with tipped point – picture 2</b> |                |                |                |                |                |                |                |                |                |                        |                |                |           |     |    |    |             |                 |                 |                           |                |      |     |            |
| M12 x 1,5                            | 9.0            | 21             | –              | M4             | 4.3            | 46.0           | 19             | 26             | 14             | 11.5                   | 35             | 6              | –         | –   | 12 | 25 | 6           | 8               | 19              | 16                        | 35             | 100  | 85  | 23230.0530 |
| M16 x 1,5                            | 12.0           | 21             | –              | M5             | 5.3            | 56.0           | 27             | 34             | 18             | 15.5                   | 47             | 8              | –         | –   | 14 | 35 | 8           | 10              | 24              | 25                        | 71             | 100  | 152 | 23230.0532 |
| M20 x 1,5                            | 14.5           | 25             | –              | M5             | 5.3            | 69.5           | 33             | 34             | 18             | 15.5                   | 47             | 10             | –         | –   | 14 | 35 | 10          | 12              | 30              | 40                        | 130            | 100  | 209 | 23230.0534 |
| <b>with rounded pin – picture 3</b>  |                |                |                |                |                |                |                |                |                |                        |                |                |           |     |    |    |             |                 |                 |                           |                |      |     |            |
| M12 x 1,5                            | 9.0            | 21             | –              | M4             | 4.3            | 46.0           | 19             | 26             | 14             | 11.5                   | 35             | 6              | –         | 4.5 | 12 | 25 | 6           | 8               | 19              | 16                        | 35             | 100  | 84  | 23230.0550 |
| M16 x 1,5                            | 12.0           | 21             | –              | M5             | 5.3            | 56.0           | 27             | 34             | 18             | 15.5                   | 47             | 8              | –         | 6.0 | 14 | 35 | 8           | 10              | 24              | 25                        | 71             | 100  | 155 | 23230.0552 |
| M20 x 1,5                            | 14.5           | 25             | –              | M5             | 5.3            | 69.5           | 33             | 34             | 18             | 15.5                   | 47             | 10             | –         | 7.2 | 14 | 35 | 10          | 12              | 30              | 40                        | 130            | 100  | 213 | 23230.0554 |
| <b>with prism – picture 4</b>        |                |                |                |                |                |                |                |                |                |                        |                |                |           |     |    |    |             |                 |                 |                           |                |      |     |            |
| M12 x 1,5                            | 9.0            | 21             | –              | M4             | 4.3            | 46.0           | 19             | 26             | 14             | 11.5                   | 35             | 6              | –         | –   | 12 | 25 | 6           | 4               | 19              | 16                        | 35             | 100  | 84  | 23230.0570 |
| M16 x 1,5                            | 12.0           | 21             | –              | M5             | 5.3            | 56.0           | 27             | 34             | 18             | 15.5                   | 47             | 8              | –         | –   | 14 | 35 | 8           | 6               | 24              | 25                        | 71             | 100  | 152 | 23230.0572 |
| M20 x 1,5                            | 14.5           | 25             | –              | M5             | 5.3            | 69.5           | 33             | 34             | 18             | 15.5                   | 47             | 10             | –         | –   | 14 | 35 | 10          | 8               | 30              | 40                        | 130            | 100  | 208 | 23230.0574 |

<sup>1)</sup> statistical average value

## Application example



## Compliance

### RoHS compliant

Contains lead - compliant according to exceptions 6a / 6b / 6c.

### Contains SVHC substances >0,1% w/w

Contains lead - SVHC list [REACH] as of 23.01.2024.

### Contains Proposition 65 substances



Lead can cause cancer and reproductive harm from exposure  
<https://www.P65Warnings.ca.gov/>

### Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.