# Lateral Plungers • with thread, with seal

22150.0480



# **Product Description**

To be used for positioning and applying pressure, e.g. during painting and sandblasting. Sealed against chips and dirt.

#### Material

#### Seal

• CR

#### **Body**

· Steel, zinc-plated by galvanization

Stainless steel

· Thermoplastic POM, white

#### **Assembly**

Lateral plungers are installed by screwing in by means of a mounting tool.

Formula for calculating the center distance for the mounting hole:

 $I_0 = z/2 + w + x$ 

 $I_0$  = center distance,

y = workpiece height,

w = workpiece length,

x = coordinate dimension,

s = stroke,

z = stop diameter

Calculation dimension x:

y greater than or equal to  $l_2$  -  $d_2/2$ ,

then  $x = d_2/2 - s$ 

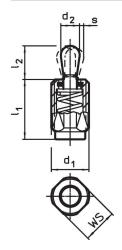
y smaller than  $l_2$  -  $d_2/2$ ,

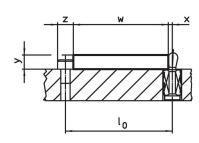
then  $x = d_2/2 - s - [(l_2 - d_2/2 - y) * 0,123]$ 

#### Characteristic

Version light spring load = spring from stainless steel

# **Drawing**







#### **Order information**

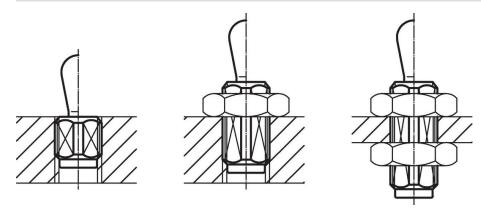
| Dimensions                           |                   |                         |                |                | Stroke | ws   | <b>x</b> <sup>1)</sup> |      | T.  | Art. No.   |  |
|--------------------------------------|-------------------|-------------------------|----------------|----------------|--------|------|------------------------|------|-----|------------|--|
| d₁                                   | l <sub>1</sub> -2 | Spring load  F  max. 2) | d <sub>2</sub> | l <sub>2</sub> | S      |      |                        | max. | _   |            |  |
| [mm]                                 |                   | [N]                     | ı              | [mm]           | [mm]   | [mm] | [mm]                   | [°C] | [9] |            |  |
| Pin: Thermoplastic/Light spring load |                   |                         |                |                |        |      |                        |      |     |            |  |
| M12                                  | 19                | 40                      | 6              | 10             | 1      | 10   | 2                      | 80   | 4.5 | 22150.0480 |  |

<sup>1)</sup> If the workpiece height (y) is less than I2-d2/2, the coordinate dimension (x) must be calculated.

# Accessories

| assembly tool | Dimensions<br>d <sub>1</sub><br>[mm] | [9] | Art. No.   |
|---------------|--------------------------------------|-----|------------|
| 1 0           | M12                                  | 76  | 22150.0820 |

# **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.



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<sup>2)</sup> statistical average value