# Lateral Plungers • with thread, with seal

22150.0411



### **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

#### Spring

· Steel, blackened

#### Pin

Steel, case-hardened, zinc-plated by galvanization

#### **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,

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  $x = d_2/2 - s$ 

or

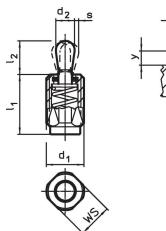
y smaller than  $l_2$  -  $d_2/2$ ,

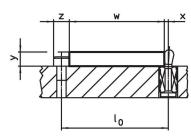
then  $x = d_2/2 - s - [(l_2 - d_2/2 - y) * 0,123]$ 

#### Characteristic

Version standard spring load = spring from steel, blackened

### **Drawing**





### **Order information**

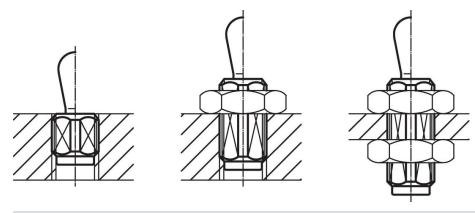
Dimensions					Stroke	ws	<u>N</u>	I	Art. No.	
d <sub>1</sub>	I <sub>1</sub> -2	Spring load  F  max. 1)	d <sub>2</sub>	l <sub>2</sub>	s		max.	_		
[mm]		[N]	[m	m]	[mm]	[mm]	[°C]	[g]		
Pin: Steel/Standard spring load										
M12	11.5	50	5	6	0.8	10	110	4.1	22150.0411	

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

### **Accessories**

assembly tool	Dimensions d <sub>1</sub> [mm]	[e]	Art. No.
	M12	76	22150.0820

# **Application example**



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# 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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