# Lateral Plungers • with plastic spring and pin

22150 0214



# **Product Description**

To be used for positioning and applying pressure, e.g. during painting and sandblasting.

#### **Material**

# Spring

plastic

#### Pin

· Steel, case-hardened, blackened

#### **Assembly**

It is recommended to moisten the body.

Installation by pressing in.

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  $x = d_2/2 - s$ 

or

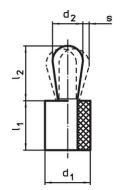
y smaller than  $l_2$  -  $d_2/2$ ,

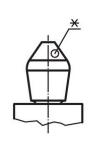
then  $x = d_2/2 - s - [(l_2 - d_2/2 - y) * 0,123]$ 

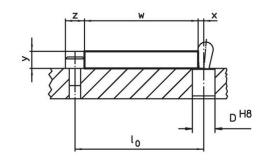
#### Characteristic

Version heavy spring load = green spring

## **Drawing**







## Order information

Dimensions		Spring load	Dimensions		Stroke	Location hole	<u>r</u>	I	Art. No.		
d <sub>1</sub>	d <sub>2</sub>	F max. <sup>1)</sup>	I <sub>1</sub> -1	l <sub>2</sub> ±0.5	s	<b>D</b> H8	max.	_			
[mm]		[N]	[mm]		[mm]	[mm]	[°C]	[9]			
Pin: Steel/pin from steel, heavy spring load											
16	10	160	16	16.9	1.6	15.9	100	15	22150.0214		

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

<sup>\*</sup>some sizes (see chart) have a deviating pin shape

# Accessories

assembly tool	Dimensions d <sub>1</sub> [mm]	[9]	Art. No.
	16	145	22150.0844

# Compliance

### **RoHS** compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

#### Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 23.01.2024.

#### Does not contain Proposition 65 substances

No Proposition 65 substances included. 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.



Halder, Inc.

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