

Lateral Plungers • with plastic spring and pin

22150.0212



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:

$$l_0 = z/2 + w + x,$$

l_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 $l_2 - d_2/2$,

$$\text{then } x = d_2/2 - s$$

or

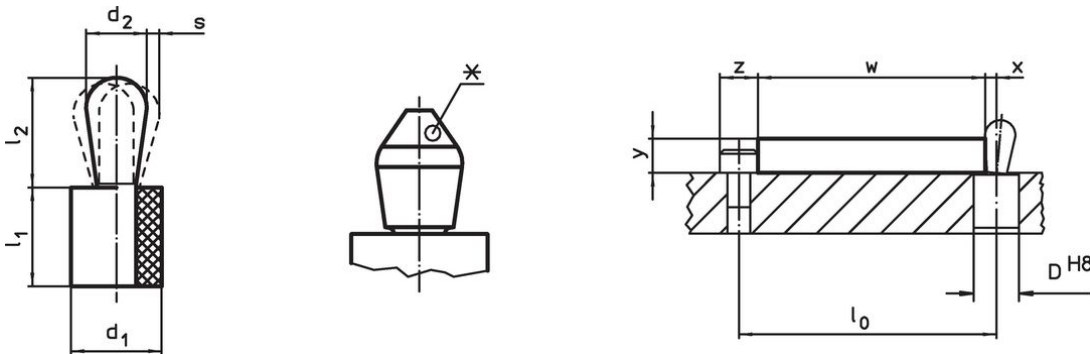
y smaller than $l_2 - d_2/2$,

$$\text{then } x = d_2/2 - s - [(l_2 - d_2/2 - y) \cdot 0,123]$$

Characteristic


Version heavy spring load = green spring

Drawing



*some sizes (see chart) have a deviating pin shape



Order information

Dimensions d_1 d_2		Spring load F max. ¹⁾ ~	Dimensions l_1 l_2 -1 ± 0.5		Stroke s	Location hole D H8	$x^{2)}$	max. [°C]		Art. No.
[mm]	[mm]	[N]	[mm]	[mm]	[mm]	[mm]	[mm]	[°C]	[g]	
Pin: Steel/pin from steel, heavy spring load										
12	8	100	13	13.3	0.6	11.9	2.7	100	6.8	22150.0212

¹⁾ statistical average value

²⁾ If the workpiece height (y) is less than $l_2 - d_2/2$, the coordinate dimension (x) must be calculated.

Accessories

	Dimensions d ₁ [mm]	 [g]	Art. No.
assembly tool			
	12	96	22150.0843

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.