

Lateral Plungers • smooth, with seal

22150.0180



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

- Aluminium Al

Spring

- Stainless steel

Pin

- Thermoplastic POM, white

Assembly

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 $l_2 - d_2/2$,

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

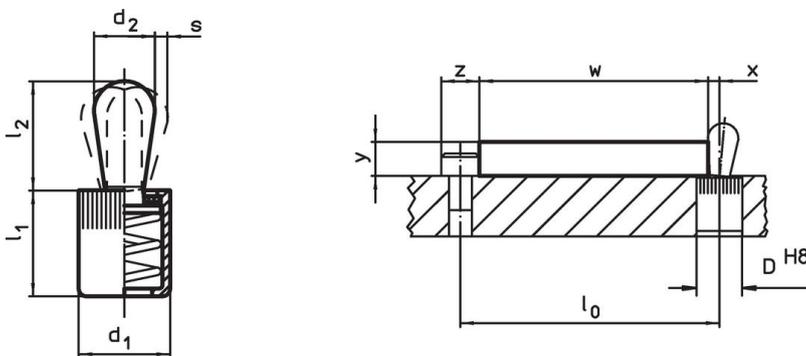
Version light spring load = spring from stainless steel

More information

Further products

- Eccentric Mounting Bushings, for lateral plungers, smooth

Drawing



Order information

Dimensions		Spring load F max. ¹⁾ ~ [N]	Dimensions		Stroke s [mm]	Location hole D H8 [mm]	$x^{2)}$ [mm]	max. [°C]	[g]	Art. No.
d_1	d_2		l_1	l_2						
[mm]	[mm]		[mm]	± 0.5						
16	10	100	18.5	16.4	1.6	16	3.1	80	7.3	22150.0180

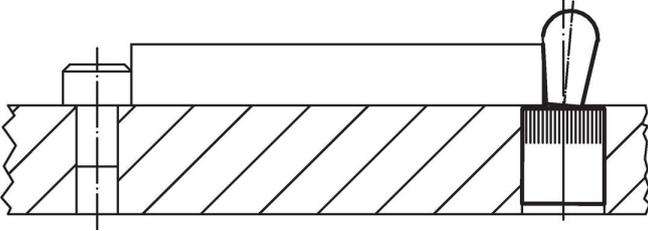
¹⁾ statistical average value

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			
	16	105	22150.0833

Application example



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.