

Lateral Plungers • smooth, with seal

22150.0142



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

- Steel, zinc-plated by galvanization

Pin

- Steel, case-hardened, zinc-plated by galvanization

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 heavy spring load = spring from steel, zinc-plated by galvanization

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 -2	l ₂ ±0.5						
[mm]	[mm]		[mm]	[mm]						
Pin: Steel/pin from steel, heavy spring load										
16	10	200	18.5	16.4	1.6	16	3.1	110	16	22150.0142

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

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.