Lateral Plungers • smooth, with seal - INCH

2B150.0131



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, blackened

Pin

Steel, case-hardened, zinc-plated by galvanization

Assembly

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 $x = d_2/2 - s - [(I_2 - d_2/2 - y) * 0,123]$

Characteristic

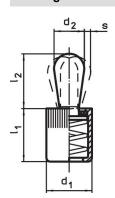
Version standard spring load = spring from steel, blackened

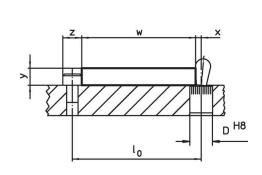
More information

Further products

• Eccentric Mounting Bushings, for lateral plungers, smooth - INCH

Drawing





Order information

Dimensions		Spring load	Dimensions		Stroke	Location	x ²⁾		I	Art. No.		
d ₁	d ₂	F max. ¹⁾ ~	l ₁ -0.08	l ₂	s	hole D H8		max.				
[in]		[lb]	[ii	n]	[in]	[in]	[in]	[°F]	[oz]			
Pin: Steel/Standard spring load												
1/2	0.315	22.5	0.551	0.511	0.051	1/2	0.102	230	0.275	2B150.0131		

¹⁾ statistical average value

Erwin Halder KG



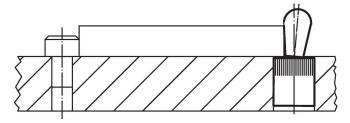
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²⁾ If the workpiece height (y) is less than I2-d2/2, the coordinate dimension (x) must be calculated.

Accessories

assembly tool	Dimensions d ₁ [in]	[oz]	Art. No.
	1/2	2.321	22150.0832

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.



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