

## Lateral Plungers • smooth, with seal - INCH EH 2B150.



### 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
- Steel, blackened
- Steel, zinc-plated by galvanization

#### Pin

- Steel, case-hardened, zinc-plated by galvanization
- 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  $x = d_2/2 - s$

(value  $x$  for this case see table)

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

Version standard spring load = spring from steel, blackened

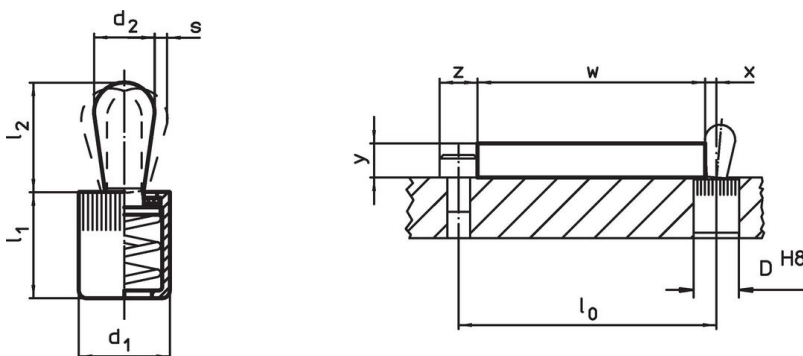
Version heavy spring load = spring from steel, zinc-plated by galvanization

### More information

### Further products

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

### Drawing




### Order information

Dimensions		Spring load F max. <sup>1)</sup> ~ [lb]	Dimensions		Stroke s [in]	Location hole D H8 [in]	x <sup>2)</sup> [in]	max. [°F]	[oz]	Art. No.
d <sub>1</sub> [in]	d <sub>2</sub> [in]		l <sub>1</sub> -0.08 [in]	l <sub>2</sub> [in]						
<b>Pin: Steel/Light spring load</b>										
1/4	0.118	2.2	0.275	0.157	0.020	1/4	0.035	230	0.024	<a href="#">2B150.0110</a>
7/16	0.197	4.5	0.430	0.236	0.031	7/16	0.063	230	0.109	<a href="#">2B150.0120</a>
7/16	0.236	9.0	0.430	0.393	0.039	7/16	0.071	230	0.138	<a href="#">2B150.0125</a>
1/2	0.315	11.2	0.551	0.511	0.051	1/2	0.102	230	0.256	<a href="#">2B150.0130</a>
5/8	0.393	22.5	0.708	0.646	0.063	5/8	0.126	230	0.574	<a href="#">2B150.0140</a>
<b>Pin: Steel/Standard spring load</b>										
1/4	0.118	4.5	0.275	0.157	0.020	1/4	0.035	230	0.024	<a href="#">2B150.0111</a>
7/16	0.197	11.2	0.430	0.236	0.031	7/16	0.063	230	0.117	<a href="#">2B150.0121</a>
7/16	0.236	16.9	0.430	0.393	0.039	7/16	0.071	230	0.146	<a href="#">2B150.0126</a>
1/2	0.315	22.5	0.551	0.511	0.051	1/2	0.102	230	0.275	<a href="#">2B150.0131</a>
5/8	0.393	34.0	0.708	0.646	0.063	5/8	0.126	230	0.518	<a href="#">2B150.0141</a>
<b>Pin: Steel/Heavy spring load</b>										
1/4	0.118	9.0	0.275	0.157	0.020	1/4	0.035	230	0.026	<a href="#">2B150.0112</a>
7/16	0.197	21.5	0.430	0.236	0.031	7/16	0.063	230	0.123	<a href="#">2B150.0122</a>
7/16	0.236	22.5	0.430	0.393	0.039	7/16	0.071	230	0.159	<a href="#">2B150.0127</a>
1/2	0.315	34.0	0.551	0.511	0.051	1/2	0.102	230	0.288	<a href="#">2B150.0132</a>
5/8	0.393	45.0	0.708	0.646	0.063	5/8	0.126	230	0.542	<a href="#">2B150.0142</a>
<b>Pin: Thermoplastic/Light spring load</b>										
1/4	0.118	2.2	0.275	0.157	0.020	1/4	0.035	176	0.014	<a href="#">2B150.0150</a>
7/16	0.197	4.5	0.430	0.236	0.031	7/16	0.063	176	0.064	<a href="#">2B150.0160</a>
7/16	0.236	9.0	0.393	0.472	0.039	7/16	0.071	176	0.072	<a href="#">2B150.0165</a>
1/2	0.315	11.2	0.551	0.531	0.051	1/2	0.102	176	0.114	<a href="#">2B150.0170</a>
5/8	0.393	22.5	0.708	0.646	0.063	5/8	0.126	176	0.296	<a href="#">2B150.0180</a>

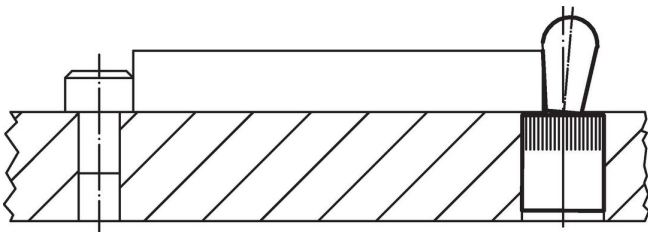
<sup>1)</sup> statistical average value

<sup>2)</sup> If the workpiece height (y) is less than l<sub>2</sub>-d<sub>2</sub>/2, the coordinate dimension (x) must be calculated.

### Accessories

	Dimensions	[oz]	Art. No.
	d <sub>1</sub> [in]		
<b>assembly tool</b>			
	1/4	0.678	<a href="#">22150.0830</a>
	7/16	1.749	<a href="#">22150.0831</a>
	1/2	2.321	<a href="#">22150.0832</a>
	5/8	3.749	<a href="#">22150.0833</a>

### Application example



### Compliance

For detailed compliance information please select the desired article number.