

## 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

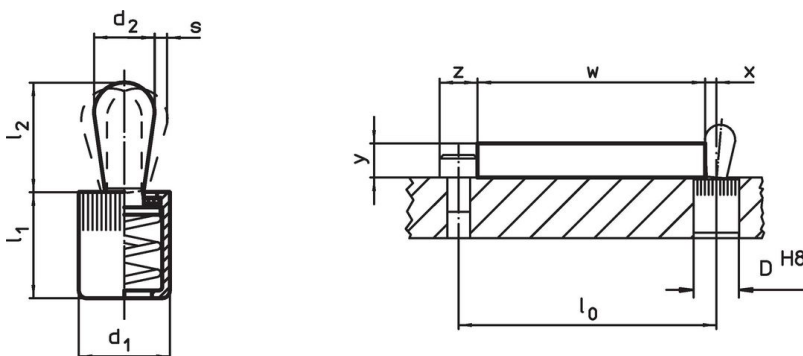
Version heavy spring load = spring from steel, zinc-plated by galvanization

### More information

### Further products

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

### Drawing




### Order information

Dimensions		Spring load F max. <sup>1)</sup> ~	Dimensions		Stroke s	Location hole D H8	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	2B150.0110
7/16	0.197	4.5	0.430	0.236	0.031	7/16	0.063	230	0.109	2B150.0120
7/16	0.236	9.0	0.430	0.393	0.039	7/16	0.071	230	0.138	2B150.0125
1/2	0.315	11.2	0.551	0.511	0.051	1/2	0.102	230	0.256	2B150.0130
5/8	0.393	22.5	0.708	0.646	0.063	5/8	0.126	230	0.574	2B150.0140
<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	2B150.0111
7/16	0.197	11.2	0.430	0.236	0.031	7/16	0.063	230	0.117	2B150.0121
7/16	0.236	16.9	0.430	0.393	0.039	7/16	0.071	230	0.146	2B150.0126
1/2	0.315	22.5	0.551	0.511	0.051	1/2	0.102	230	0.275	2B150.0131
5/8	0.393	34.0	0.708	0.646	0.063	5/8	0.126	230	0.518	2B150.0141
<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	2B150.0112
7/16	0.197	21.5	0.430	0.236	0.031	7/16	0.063	230	0.123	2B150.0122
7/16	0.236	22.5	0.430	0.393	0.039	7/16	0.071	230	0.159	2B150.0127
1/2	0.315	34.0	0.551	0.511	0.051	1/2	0.102	230	0.288	2B150.0132
5/8	0.393	45.0	0.708	0.646	0.063	5/8	0.126	230	0.542	2B150.0142
<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	2B150.0150
7/16	0.197	4.5	0.430	0.236	0.031	7/16	0.063	176	0.064	2B150.0160
7/16	0.236	9.0	0.393	0.472	0.039	7/16	0.071	176	0.072	2B150.0165
1/2	0.315	11.2	0.551	0.531	0.051	1/2	0.102	176	0.114	2B150.0170
5/8	0.393	22.5	0.708	0.646	0.063	5/8	0.126	176	0.296	2B150.0180

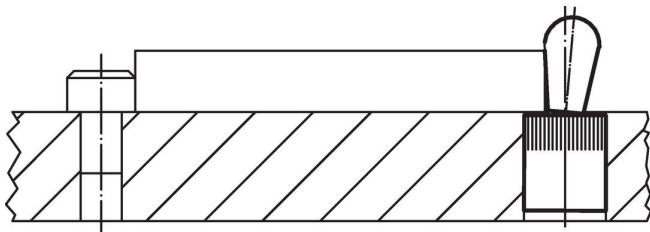
<sup>1)</sup> statistical average value

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

### Application example



### Compliance

For detailed compliance information please select the desired article number.