

Lateral Plungers • with plastic spring and pin - INCH EH 2B150.



Product Description

To be used for positioning and applying pressure, e.g. during painting and sandblasting.

Material

Body

- Aluminium Al

Spring

- plastic

Pin

- Steel, case-hardened, blackened
- Stainless steel
- 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 $x = d_2/2 - s - [(l_2 - d_2/2 - y) * 0,123]$

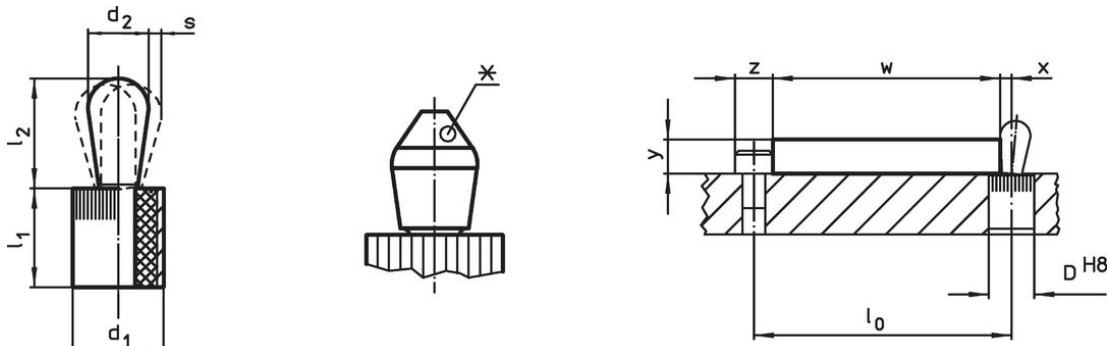
Characteristic

Version light spring load = blue spring

Version standard spring load = red spring

Version heavy spring load = green spring

Drawing



*some sizes (see chart) have a deviating pin shape

Order information

Dimensions d_1 [in]	Dimensions d_2 [in]	Spring load F max. ¹⁾ ~ [lb]	Dimensions l_1 -0.03	Dimensions l_2 ± 0.02	Stroke s [in]	Location hole D H8 [in]	--- max. [°F]		Art. No.
Pin: Steel/Light spring load									
1/4	0.118	2.2	0.295	0.145	0.016	0.250	212	0.020	2B150.0210 ²⁾
7/16	0.197	6.7	0.374	0.287	0.032	0.438	212	0.092	2B150.0220
7/16	0.236	4.4	0.374	0.406	0.040	0.438	212	0.120	2B150.0225
Pin: Steel/Standard spring load									
1/4	0.118	4.4	0.295	0.145	0.016	0.250	212	0.020	2B150.0211 ²⁾
7/16	0.197	13.5	0.374	0.287	0.032	0.438	212	0.092	2B150.0221
7/16	0.236	6.7	0.374	0.406	0.040	0.438	212	0.120	2B150.0226
1/2	0.315	11.1	0.553	0.515	0.048	0.500	212	0.260	2B150.0230
5/8	0.394	18.0	0.675	0.678	0.062	0.625	212	0.534	2B150.0240

¹⁾ statistical average value

²⁾ deviating pin shape (see drawing)

Dimensions		Spring load	Dimensions		Stroke	Location			Art. No.
d ₁	d ₂	F max. ¹⁾ ~ [lb]	I ₁ -0.03	I ₂ ±0.02	s [in]	hole D H8	max. [in]	[°F]	[oz]
Pin: Steel/Heavy spring load									
7/16	0.197	20.0	0.374	0.287	0.032	0.438	212	0.092	2B150.0222
7/16	0.236	13.5	0.374	0.406	0.040	0.438	212	0.121	2B150.0227
1/2	0.315	22.2	0.553	0.515	0.048	0.500	212	0.262	2B150.0231
5/8	0.394	36.0	0.675	0.678	0.062	0.625	212	0.540	2B150.0241
Pin: Stainless steel/Light spring load									
1/4	0.118	2.2	0.295	0.145	0.016	0.250	212	0.022	2B150.0310 ²⁾
7/16	0.197	6.7	0.374	0.287	0.032	0.438	212	0.093	2B150.0320
7/16	0.236	4.4	0.374	0.406	0.040	0.438	212	0.121	2B150.0325
Pin: Stainless steel/Standard spring load									
1/4	0.118	4.4	0.295	0.145	0.016	0.250	212	0.021	2B150.0311 ²⁾
7/16	0.197	13.5	0.374	0.287	0.032	0.438	212	0.093	2B150.0321
7/16	0.236	6.7	0.374	0.406	0.040	0.438	212	0.121	2B150.0326
1/2	0.315	11.1	0.553	0.515	0.048	0.500	212	0.247	2B150.0330
5/8	0.394	18.0	0.675	0.678	0.062	0.625	212	0.543	2B150.0340
Pin: Stainless steel/Heavy spring load									
7/16	0.197	20.0	0.374	0.287	0.032	0.438	212	0.095	2B150.0322
7/16	0.236	13.5	0.374	0.406	0.040	0.438	212	0.122	2B150.0327
1/2	0.315	22.2	0.553	0.515	0.048	0.500	212	0.263	2B150.0331
5/8	0.394	36.0	0.675	0.678	0.062	0.625	212	0.546	2B150.0341
Pin: Thermoplastic/Light spring load									
1/4	0.118	2.2	0.295	0.145	0.016	0.250	176	0.013	2B150.0410 ²⁾
7/16	0.197	6.7	0.374	0.287	0.032	0.438	176	0.054	2B150.0420
7/16	0.236	4.4	0.374	0.406	0.040	0.438	176	0.058	2B150.0425
Pin: Thermoplastic/Standard spring load									
1/4	0.118	4.4	0.295	0.145	0.016	0.250	176	0.012	2B150.0411 ²⁾
7/16	0.197	13.5	0.374	0.287	0.032	0.438	176	0.052	2B150.0421
7/16	0.236	6.7	0.374	0.406	0.040	0.438	176	0.057	2B150.0426
1/2	0.315	11.1	0.553	0.515	0.048	0.500	176	0.104	2B150.0430
5/8	0.394	18.0	0.675	0.678	0.062	0.625	176	0.196	2B150.0440
Pin: Thermoplastic/Heavy spring load									
7/16	0.197	20.0	0.374	0.287	0.032	0.438	176	0.054	2B150.0422
7/16	0.236	13.5	0.374	0.406	0.040	0.438	176	0.058	2B150.0427
1/2	0.315	22.2	0.553	0.515	0.048	0.500	176	0.106	2B150.0431
5/8	0.394	36.0	0.675	0.678	0.062	0.625	176	0.200	2B150.0441

¹⁾ statistical average value

²⁾ deviating pin shape (see drawing)

Accessories

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

Compliance

For detailed compliance information please select the desired article number.