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
(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

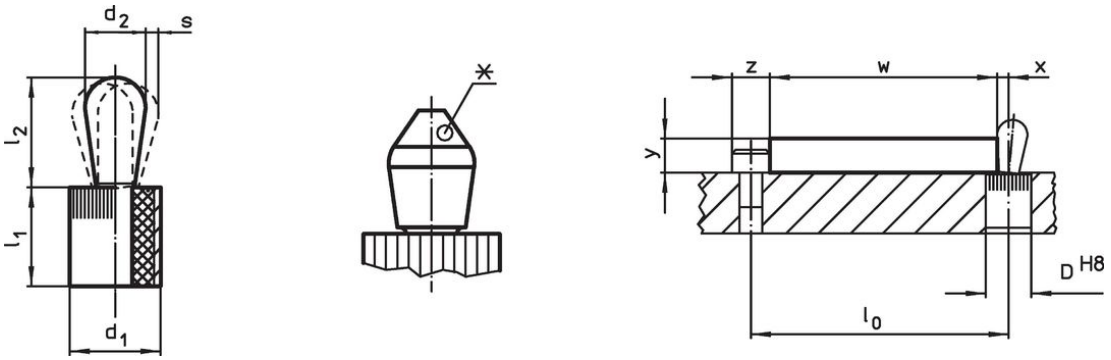
Version light spring load = blue spring
Version standard spring load = red spring
Version heavy spring load = green spring

More information

Notes

This is a discontinued article.

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 [in]	Dimensions l_2 ±0.02 [in]	Stroke s [in]	Location hole D H8 [in]	$x^{2)}$ [in]	max. [°F]	[oz]	Art. No.
Pin: Steel/Light spring load										
1/4	**0.118**	**2.2**	0.295	0.145	0.008	0.250	0.051	212	0.020	2B150.0210[3]
7/16	**0.197**	**6.7**	0.374	0.287	0.016	0.438	0.083	212	0.092	2B150.0220
7/16	**0.236**	**4.4**	0.374	0.406	0.020	0.438	0.098	212	0.120	2B150.0225

[1] statistical average value

[2] If the workpiece height (y) is less than l2-d2/2, the coordinate dimension (x) must be calculated.

[3] deviating pin shape (see drawing)

Dimensions d_1 [in]	Dimensions d_2 [in]	Spring load F max. [1] ~ [lb]	Dimensions l_1 -0.03 [in]	Dimensions l_2 ±0.02 [in]	Stroke s [in]	Location hole D H8 [in]	x [2] [in]	max. [°F]	[oz]	Art. No.
Pin: Steel/Standard spring load										
1/4	**0.118**	**4.4**	0.295	0.145	0.008	0.250	0.051	212	0.020	2B150.0211 [3]
7/16	**0.197**	**13.5**	0.374	0.287	0.016	0.438	0.083	212	0.092	2B150.0221
7/16	**0.236**	**6.7**	0.374	0.406	0.020	0.438	0.098	212	0.120	2B150.0226
1/2	**0.315**	**11.1**	0.553	0.515	0.024	0.500	0.134	212	0.260	2B150.0230
5/8	**0.394**	**18.0**	0.675	0.678	0.031	0.625	0.166	212	0.534	2B150.0240
Pin: Steel/Heavy spring load										
7/16	**0.197**	**20.0**	0.374	0.287	0.016	0.438	0.083	212	0.092	2B150.0222
7/16	**0.236**	**13.5**	0.374	0.406	0.020	0.438	0.098	212	0.121	2B150.0227
1/2	**0.315**	**22.2**	0.553	0.515	0.024	0.500	0.134	212	0.262	2B150.0231
5/8	**0.394**	**36.0**	0.675	0.678	0.031	0.625	0.166	212	0.540	2B150.0241
Pin: Stainless steel/Light spring load										
1/4	**0.118**	**2.2**	0.295	0.145	0.008	0.250	0.051	212	0.022	2B150.0310 [3]
7/16	**0.197**	**6.7**	0.374	0.287	0.016	0.438	0.083	212	0.093	2B150.0320
7/16	**0.236**	**4.4**	0.374	0.406	0.020	0.438	0.098	212	0.121	2B150.0325
Pin: Stainless steel/Standard spring load										
1/4	**0.118**	**4.4**	0.295	0.145	0.008	0.250	0.051	212	0.021	2B150.0311 [3]
7/16	**0.197**	**13.5**	0.374	0.287	0.016	0.438	0.083	212	0.093	2B150.0321
7/16	**0.236**	**6.7**	0.374	0.406	0.020	0.438	0.098	212	0.121	2B150.0326
1/2	**0.315**	**11.1**	0.553	0.515	0.024	0.500	0.134	212	0.247	2B150.0330
5/8	**0.394**	**18.0**	0.675	0.678	0.031	0.625	0.166	212	0.543	2B150.0340
Pin: Stainless steel/Heavy spring load										
7/16	**0.197**	**20.0**	0.374	0.287	0.016	0.438	0.083	212	0.095	2B150.0322
7/16	**0.236**	**13.5**	0.374	0.406	0.020	0.438	0.098	212	0.122	2B150.0327
1/2	**0.315**	**22.2**	0.553	0.515	0.024	0.500	0.134	212	0.263	2B150.0331
5/8	**0.394**	**36.0**	0.675	0.678	0.031	0.625	0.166	212	0.546	2B150.0341
Pin: Thermoplastic/Light spring load										
1/4	**0.118**	**2.2**	0.295	0.145	0.008	0.250	0.051	176	0.013	2B150.0410 [3]
7/16	**0.197**	**6.7**	0.374	0.287	0.016	0.438	0.083	176	0.054	2B150.0420
7/16	**0.236**	**4.4**	0.374	0.406	0.020	0.438	0.098	176	0.058	2B150.0425
Pin: Thermoplastic/Standard spring load										
1/4	**0.118**	**4.4**	0.295	0.145	0.008	0.250	0.051	176	0.012	2B150.0411 [3]
7/16	**0.197**	**13.5**	0.374	0.287	0.016	0.438	0.083	176	0.052	2B150.0421
7/16	**0.236**	**6.7**	0.374	0.406	0.020	0.438	0.098	176	0.057	2B150.0426
1/2	**0.315**	**11.1**	0.553	0.515	0.024	0.500	0.134	176	0.104	2B150.0430
5/8	**0.394**	**18.0**	0.675	0.678	0.031	0.625	0.166	176	0.196	2B150.0440
Pin: Thermoplastic/Heavy spring load										
7/16	**0.197**	**20.0**	0.374	0.287	0.016	0.438	0.083	176	0.054	2B150.0422
7/16	**0.236**	**13.5**	0.374	0.406	0.020	0.438	0.098	176	0.058	2B150.0427
1/2	**0.315**	**22.2**	0.553	0.515	0.024	0.500	0.134	176	0.106	2B150.0431
5/8	**0.394**	**36.0**	0.675	0.678	0.031	0.625	0.166	176	0.200	2B150.0441

[1] statistical average value

[2] If the workpiece height (y) is less than l2-d2/2, the coordinate dimension (x) must be calculated.

[3] deviating pin shape (see drawing)

Accessories

	Dimensions d_1 [in]	[oz]	Art. No.
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.