Lateral Plungers • smooth, with seal

EH 22150.



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:

 $I_0 = z/2 + w + x$

 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 $x = d_2/2 - s$

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

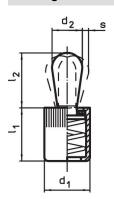
Version heavy spring load = spring from steel, zinc-plated by galvanization

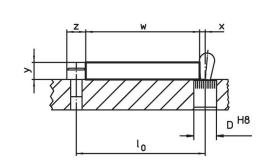
More information

Further products

• Eccentric Mounting Bushings, for lateral plungers, smooth

Drawing







Erwin Halder KG www.halder.com Published on: 2.5.2024

Order information

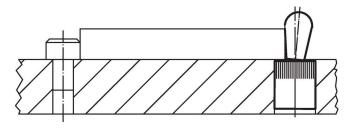
Dimen	Dimensions		Dimensions		Stroke	Location hole	x ²⁾		- I	Art. No.
d₁	d ₂	F max. ¹⁾ ~	l ₁ -2	l ₂ ±0.5	s	D H8		max.	_	
[mm]		[N]	[r	nm]	[mm]	[mm]	[mm]	[°C]	[g]	
Pin: Steel/pii	n from steel	l, light spring load	d		·					
6	3	10	7.5	4.0	0.5	6	1.0	110	0.6	22150.0110
10	5	20	12.0	6.3	0.8	10	1.7	110	2.6	22150.0120
10	6	40	12.0	10.3	1.0	10	1.9	110	3.5	22150.0125
12	8	50	14.5	13.2	1.3	12	2.7	110	6.9	22150.0130
16	10	100	18.5	16.4	1.6	16	3.1	110	15.0	22150.0140
Pin: Steel/pin from steel, standard spring load										
6	3	20	7.5	4.0	0.5	6	1.0	110	0.6	22150.0111
10	5	50	12.0	6.3	0.8	10	1.7	110	2.9	22150.0121
10	6	75	12.0	10.3	1.0	10	1.9	110	3.6	22150.0126
12	8	100	14.5	13.2	1.3	12	2.7	110	7.5	22150.0131
16	10	150	18.5	16.4	1.6	16	3.1	110	15.0	22150.0141
Pin: Steel/pin from steel, heavy spring load										
6	3	40	7.5	4.0	0.5	6	1.0	110	0.7	22150.0112
10	5	100	12.0	6.3	0.8	10	1.7	110	3.0	22150.0122
10	6	100	12.0	10.3	1.0	10	1.9	110	3.9	22150.0127
12	8	150	14.5	13.2	1.3	12	2.7	110	7.9	22150.0132
16	10	200	18.5	16.4	1.6	16	3.1	110	16.0	22150.0142
Pin: Thermoplastic/pin from thermoplastic, light spring load										
6	3	10	7.5	4.0	0.5	6	1.0	80	0.4	22150.0150
10	5	20	12.0	6.3	0.8	10	1.7	80	1.4	22150.0160
10	6	40	12.0	10.3	1.0	10	1.9	80	1.6	22150.0165
12	8	50	14.5	13.5	1.3	12	2.7	80	2.9	22150.0170
16	10	100	18.5	16.4	1.6	16	3.1	80	7.3	22150.0180

¹⁾ statistical average value

Accessories

	Dimensions	Ĭ.	Art. No.
	d_1	_	
	[mm]	[9]	
assembly tool			
	6	19	22150.0830
	10	49	22150.0831
	12	86	22150.0832
	16	105	22150.0833

Application example



Compliance

For detailed compliance information please select the desired article number.



www.halder.com Page 2 of 2
Published on: 2.5.2024

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