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Index Plungers • without hexagon collar

EH 22120.



Product Description

Index plungers are used in indexing bores and serve for secure locking and precise positioning. Components can be reliably positioned or released without the use of additional tools. This enables fast, repeatable positioning and ensures a high level of process reliability.
Index plungers are used wherever components need to be positioned or locked quickly, safely and precisely. Typical applications include mechanical and plant engineering, fixture and tool construction, as well as assembly and production technology. They also ensure smooth operation in transport and packaging systems.

Material

Body
- Free cutting steel, blackened
- Stainless steel 1.4305

Locking pin
- Steel, hardened
- Stainless steel 1.4305, nickel-plated

Knob
- Thermoplastic PA 6, black

Assembly

Suitable mounting tools are available.

More information

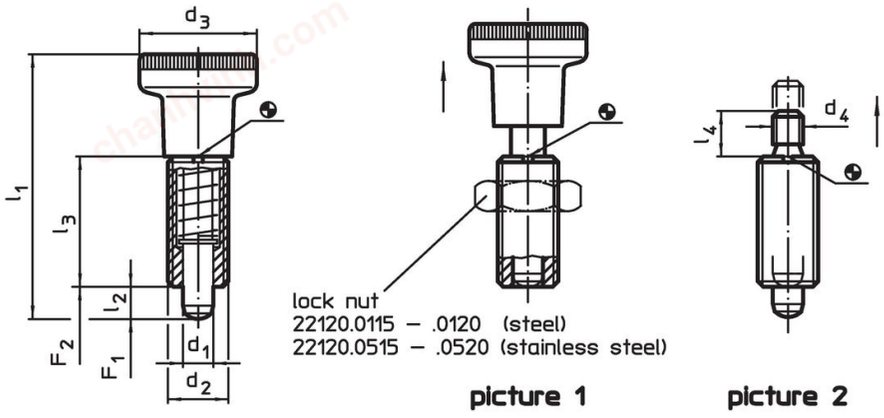
Notes

Knob not removable.
Lock nuts have to be purchased separately.

Further products

- Mounting Blocks, for index bolts and index plungers, die-cast
- Locating Bushings, for index bolts and index plungers
- Distance Collars, for index plungers
- Lock nuts ISO 8675 (DIN 439), for index bolts and index plungers

Drawing



picture 1 picture 2

Order information

Dimensions								Spring load[1]					Art. No.
d_1 -0.02 -0.05	d_2	d_3	d_4	l_1 ~	l_2 min.	l_3	l_4	F_1 ~	F_2 ~	min.	max.		
[mm]								[N]		[°C]		[g]	
with knob – picture 1, Free cutting steel													
5	M10 x 1	21	–	45.0	5	22	–	6.0	14	-30	80	17.0	22120.0045
6	M12 x 1,5	25	–	54.5	6	26	–	6.5	19	-30	80	27.0	22120.0046
8	M16 x 1,5	31	–	69.0	8	34	–	11.5	28	-30	80	63.0	22120.0048
10	M20 x 1,5	31	–	80.0	10	41	–	23.0	54	-30	80	104.0	22120.0050
without knob – picture 2, Free cutting steel													
5	M10 x 1	–	M5	–	5	22	6	6.0	14	–	250	6.5	22120.0065
6	M12 x 1,5	–	M6	–	6	26	10	6.5	19	–	250	19.0	22120.0066
8	M16 x 1,5	–	M8	–	8	34	12	11.5	28	–	250	46.0	22120.0068
10	M20 x 1,5	–	M8	–	10	43	12	23.0	54	–	250	87.0	22120.0070

[1] statistical average value

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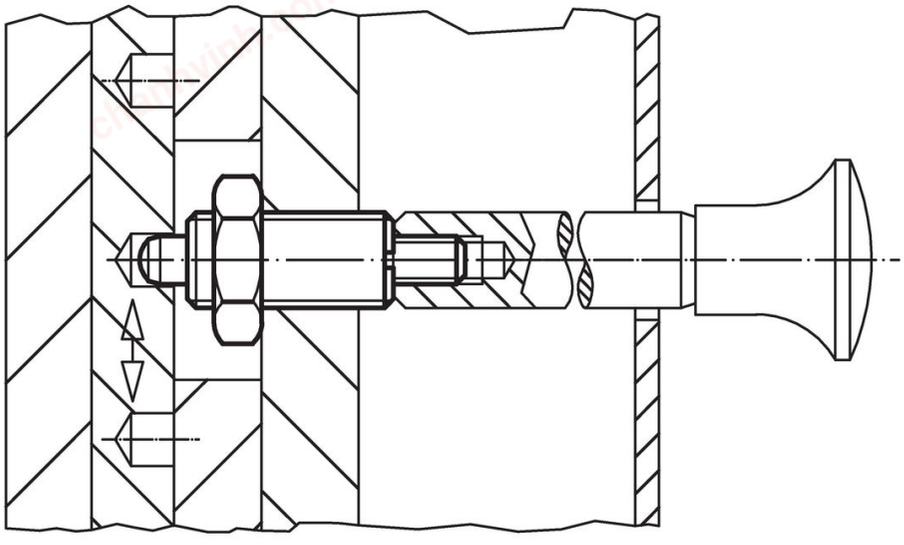
Dimensions								Spring load[1]					Art. No.
d_1 -0.02 -0.05	d_2	d_3	d_4	l_1 ~	l_2 min.	l_3	l_4	F_1 ~	F_2 ~	min.	max.		
[mm]								[N]		[°C]		[g]	
with knob – picture 1, Stainless steel													
5	M10 x 1	21	–	45.0	5	22	–	6.0	14	-30	80	17.0	22120.0445
6	M12 x 1,5	25	–	54.5	6	26	–	6.5	19	-30	80	27.0	22120.0446
8	M16 x 1,5	31	–	69.0	8	34	–	11.5	28	-30	80	63.0	22120.0448
10	M20 x 1,5	31	–	80.0	10	41	–	23.0	54	-30	80	104.0	22120.0450
without knob – picture 2, Stainless steel													
5	M10 x 1	–	M5	–	5	22	6	6.0	14	–	250	12.0	22120.0465
6	M12 x 1,5	–	M6	–	6	26	10	6.5	19	–	250	19.0	22120.0466
8	M16 x 1,5	–	M8	–	8	34	12	11.5	28	–	250	45.0	22120.0468
10	M20 x 1,5	–	M8	–	10	43	12	23.0	54	–	250	87.0	22120.0470

[1] statistical average value

Accessories

	Dimensions d_2 [mm]	[g]	Art. No.
assembly tool, Steel			
	**M10 x 1**	9.3	22120.0955
	M12 x 1,5	14.0	22120.0956
	M16 x 1,5	25.0	22120.0958
	M20 x 1,5	27.0	22120.0960

Application example



Compliance

For detailed compliance information please select the desired article number.