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Index Plungers • with 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, dull

Assembly

The screw length can be adapted by distance collars (EH 22120.).

More information

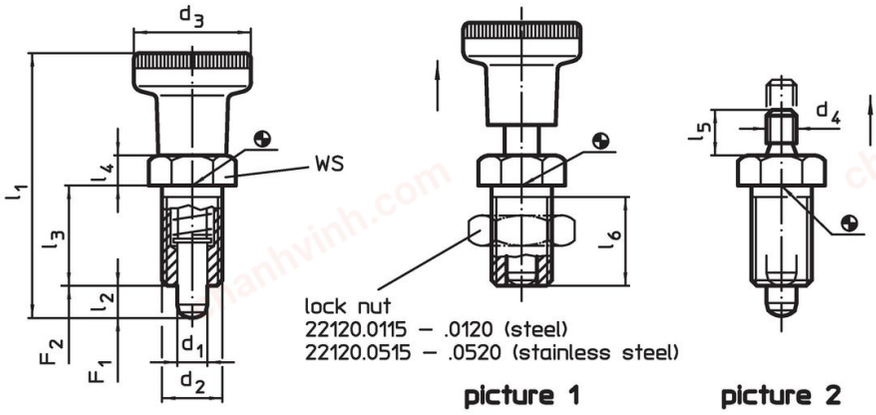
Notes

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										WS	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	l_5	l_6 min.		F_1 ~	F_2 ~	min.	max.		
[mm]										[mm]	[N]		[°C]		[g]	
with knob – picture 1, Free cutting steel																
5	M10 x 1	21	–	45.0	5	17	5	–	15	12	6.0	14	-30	80	19	22120.0005
6	M12 x 1,5	25	–	54.5	6	20	6	–	17	14	6.5	19	-30	80	29	22120.0006
8	M16 x 1,5	31	–	69.0	8	26	8	–	23	19	11.5	28	-30	80	70	22120.0008
10	M20 x 1,5	31	–	80.0	10	33	10	–	30	22	23.0	54	-30	80	119	22120.0010

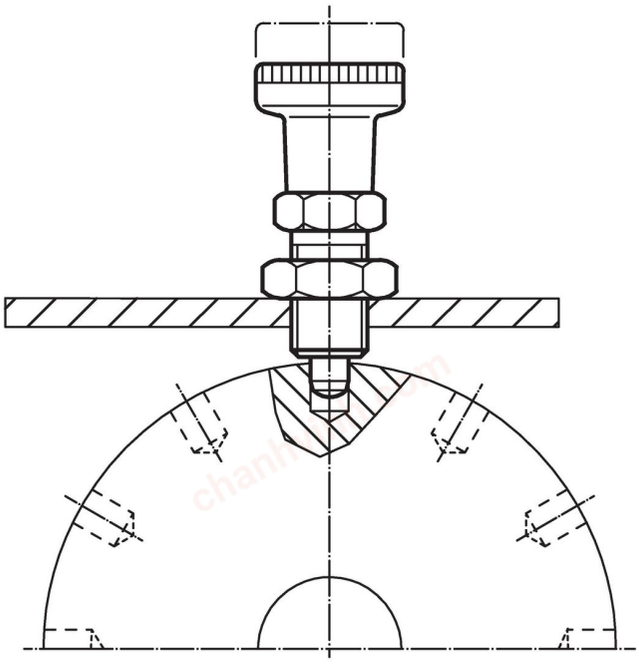
[1] statistical average value

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[mm]										[mm]	[N]		[°C]		[g]	
without knob – picture 2, Free cutting steel																
5	M10 x 1	–	M5	–	5	17	5	6	15	12	6.0	14	–	250	14	22120.0025
6	M12 x 1,5	–	M6	–	6	20	6	10	17	14	6.5	19	–	250	23	22120.0026
8	M16 x 1,5	–	M8	–	8	26	8	12	23	19	11.5	28	–	250	54	22120.0028
10	M20 x 1,5	–	M8	–	10	33	10	12	30	22	23.0	54	–	250	97	22120.0030
with knob – picture 1, Stainless steel																
5	M10 x 1	21	–	45.0	5	17	5	–	15	12	6.0	14	-30	80	19	22120.0405
6	M12 x 1,5	25	–	54.5	6	20	6	–	17	14	6.5	19	-30	80	31	22120.0406
8	M16 x 1,5	31	–	69.0	8	26	8	–	23	19	11.5	28	-30	80	71	22120.0408
10	M20 x 1,5	31	–	80.0	10	33	10	–	30	22	23.0	54	-30	80	115	22120.0410
without knob – picture 2, Stainless steel																
5	M10 x 1	–	M5	–	5	17	5	6	15	12	6.0	14	–	250	14	22120.0425
6	M12 x 1,5	–	M6	–	6	20	6	10	17	14	6.5	19	–	250	23	22120.0426
8	M16 x 1,5	–	M8	–	8	26	8	12	23	19	11.5	28	–	250	54	22120.0428
10	M20 x 1,5	–	M8	–	10	33	10	12	30	22	23.0	54	–	250	98	22120.0430

[1] statistical average value

Application example



Compliance

For detailed compliance information please select the desired article number.