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Index Plungers • with hexagon collar and locking, stainless steel A4

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.
The stainless steel A4 version ensures maximum corrosion resistance.

Material

Body
- Stainless steel 1.4401

Locking pin
- Stainless steel 1.4401 nickel-plated

Knob
- Thermoplastic PA 6, black-grey, matt
- Stainless steel 1.4401

Lock nut
- Stainless steel 1.4401

Operation

The knob is pulled-out, turned 90° and secured by an internal detent groove (when locking pin should not overhang).

More information

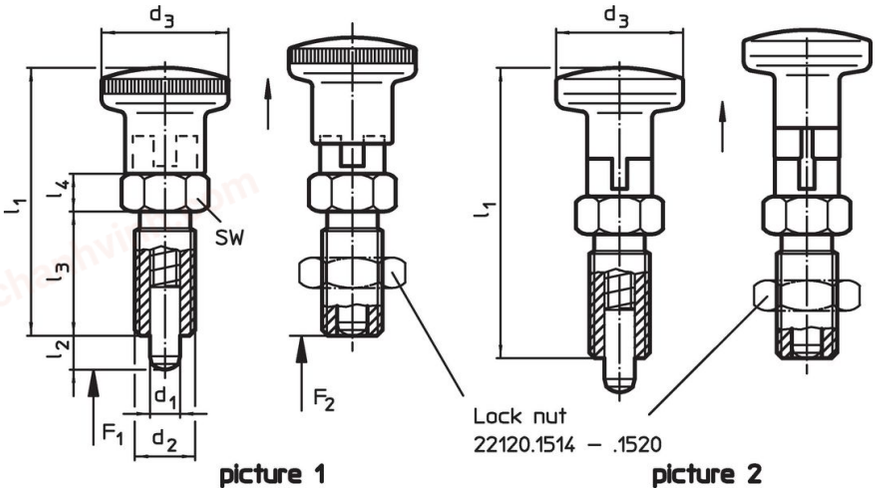
Notes

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

Further products

- Lock nuts ISO 8675 (DIN 439), for index bolts and index plungers

Drawing



Order information

Dimensions							Spring load[1]				WS		Art. No.
d_1 -0.02 -0.05	d_2	l_2 min.	d_3	l_1	l_3	l_4	F_1 ~	F_2 ~	min.	max.			
[mm]							[N]		[°C]		[mm]	[g]	
with knob of thermoplastic – picture 1													
4	**M 8 x 1**	**4**	16	35.0	16	5	3.5	11	-30	80	10	12	**22120.1144**
4	**M 8 x 1**	**6**	16	35.0	16	5	3.0	11	-30	80	10	11	**22120.1164**
5	**M10 x 1**	**5**	19	40.0	18	6	3.0	12	-30	80	12	20	**22120.1145**
5	**M10 x 1**	**8**	19	40.0	18	6	3.0	14	-30	80	12	18	**22120.1165**
6	**M12 x 1,5**	**6**	23	48.0	22	6	4.5	16	-30	80	14	33	**22120.1146**
6	**M12 x 1,5**	**9**	23	48.0	22	6	4.0	20	-30	80	14	33	**22120.1166**

[1] statistical average value

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Dimensions							Spring load[1]				WS		Art. No.
d_1 -0.02 -0.05	d_2	l_2 min.	d_3	l_1	l_3	l_4	F_1 ~	F_2 ~	min.	max.			
[mm]							[N]		[°C]		[mm]	[g]	
8	**M16 x 1,5**	**8**	28	58.0	26	8	6.0	23	-30	80	17	67	22120.1168
8	**M16 x 1,5**	**12**	28	58.0	26	8	7.0	26	-30	80	17	70	22120.1148
10	**M16 x 1,5**	**12**	28	58.0	26	8	7.5	32	-30	80	17	70	22120.1180
12	**M20 x 1,5**	**15**	33	71.5	33	10	9.0	32	-30	80	22	141	22120.1182
with knob from stainless steel – picture 2													
4	**M 8 x 1**	**4**	16	41.0	16	5	3.5	11	–	100	10	21	22120.1154
4	**M 8 x 1**	**6**	16	43.0	16	5	3.0	11	–	100	10	22	22120.1174
5	**M10 x 1**	**5**	18	48.0	18	6	3.0	12	–	100	12	36	22120.1155
5	**M10 x 1**	**8**	18	51.0	18	6	3.0	14	–	100	12	37	22120.1175
6	**M12 x 1,5**	**6**	22	57.0	22	6	4.5	16	–	100	14	60	22120.1156
6	**M12 x 1,5**	**9**	22	60.0	22	6	4.0	20	–	100	14	63	22120.1176
8	**M16 x 1,5**	**8**	27	69.0	26	8	6.0	23	–	100	17	117	22120.1178
8	**M16 x 1,5**	**12**	27	73.0	26	8	7.0	26	–	100	17	118	22120.1158
10	**M16 x 1,5**	**12**	27	75.0	26	8	7.5	32	–	100	17	135	22120.1190
12	**M20 x 1,5**	**15**	32	89.5	33	10	9.0	32	–	100	22	229	22120.1192

[1] statistical average value

Compliance

RoHS-compliant
Compliant with Directive 2011/65/EU [RoHS].

Does not contain SVHC substances
No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 04.02.2026.

SCIP-code
N/A

Does not contain Proposition 65 substances
No Proposition 65 substances included.
https://www.P65Warnings.ca.gov/

Free from Conflict Minerals

POP-compliant
Contains no persistent organic pollutants – Stockholm Convention [POP] as of September 2025.

PFAS-compliant
Contains no per- and polyfluoroalkyl substances (PFAS).

TSCA-compliant
Agent concentration in this product does not exceed the specified threshold.