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# Index Plungers Mini Indexes • Stainless steel

## EH 22110.



### Product Description

Particularly suitable for screwing into thin walled pieces.
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 index plungers series "mini index" consists of versions with particularly compact dimensions.

### Material

**Body**
- Stainless steel 1.4305

**Locking pin**
- Stainless steel 1.4305

**Knob**
- Stainless steel 1.4308

### Assembly

Screw in the mini index. By lifting the knob, the hexagon will be released for assembly.
The screw length can be adapted by distance collars (EH 22120.).
Due to a thread recess the index plungers can be completely screwed in.

### Operation

When using the self-locking type the knob is pulled-out, turned 30° and secured by a notched catch.

**More information**

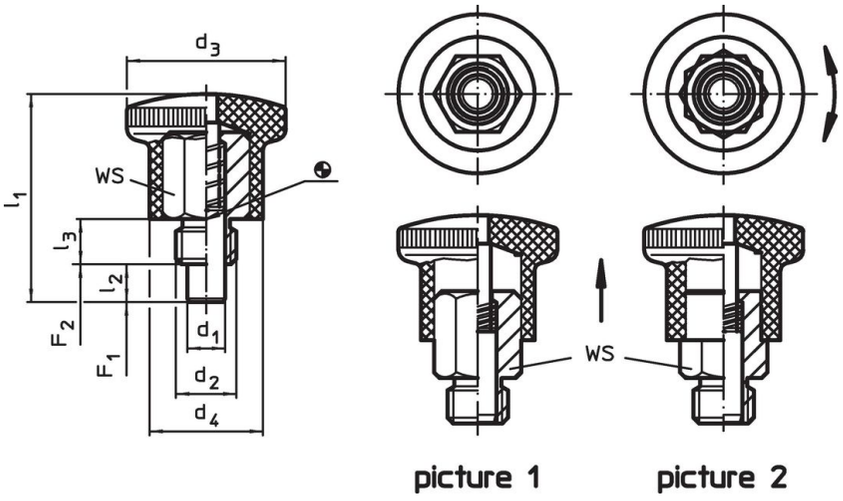
### Notes

Knob not removable.

### Further products

- Distance Collars, for index plungers

## Drawing




## Order information

| Dimensions | | | | | | | WS | Spring load[1] | | | | Art. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d_1$ h9 | $d_2$ | $d_3$ | $d_4$ | $l_1$ | $l_2$ min. | $l_3$ | | $F_1$ ~ | $F_2$ ~ | max. | | |
| [mm] | | | | | | | [mm] | [N] | | [°C] | [g] | |
| **without locking – picture 1** | | | | | | | | | | | | |
| **4** | **M 8** | 21 | 15 | 27.5 | 5 | 6 | 10 | 4 | 12 | 250 | 27.0 | 22110.1102 |
| **4** | **M 8 x 1** | 21 | 15 | 27.5 | 5 | 6 | 10 | 4 | 12 | 250 | 34.0 | 22110.1104 |
| **5** | **M10** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 49.0 | 22110.1106 |
| **5** | **M10 x 1** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 50.0 | 22110.1108 |

[1] statistical average value

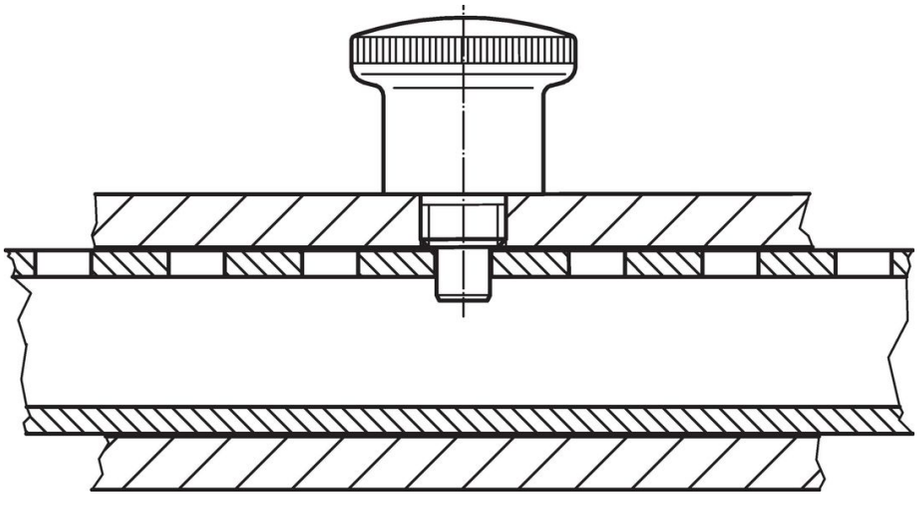
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| Dimensions | | | | | | | WS | Spring load[1] | | | | Art. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d_1$ h9 | $d_2$ | $d_3$ | $d_4$ | $l_1$ | $l_2$ min. | $l_3$ | | $F_1$ ~ | $F_2$ ~ | max. | | |
| [mm] | | | | | | | [mm] | [N] | | [°C] | [g] | |
| **6** | **M10** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 50.0 | 22110.1110 |
| **6** | **M10 x 1** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 50.0 | 22110.1112 |
| **6** | **M12** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 74.0 | 22110.1114 |
| **6** | **M12 x 1,5** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 14.0 | 22110.1116 |
| **7** | **M12** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 75.0 | 22110.1118 |
| **7** | **M12 x 1,5** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 75.0 | 22110.1120 |
| **8** | **M16** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 34 | 250 | 110.0 | 22110.1122 |
| **8** | **M16 x 1,5** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 35 | 250 | 113.0 | 22110.1124 |
| **10** | **M16** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 35 | 250 | 113.0 | 22110.1126 |
| **10** | **M16 x 1,5** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 35 | 250 | 113.0 | 22110.1128 |
| **with locking – picture 2** | | | | | | | | | | | | |
| **4** | **M 8** | 21 | 15 | 27.5 | 5 | 6 | 10 | 4 | 12 | 250 | 6.5 | 22110.1130 |
| **4** | **M 8 x 1** | 21 | 15 | 27.5 | 5 | 6 | 10 | 4 | 12 | 250 | 28.0 | 22110.1132 |
| **5** | **M10** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 48.0 | 22110.1134 |
| **5** | **M10 x 1** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 49.0 | 22110.1136 |
| **6** | **M10** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 49.0 | 22110.1138 |
| **6** | **M10 x 1** | 25 | 18 | 34.0 | 6 | 8 | 12 | 6 | 16 | 250 | 50.0 | 22110.1140 |
| **6** | **M12** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 72.0 | 22110.1142 |
| **6** | **M12 x 1,5** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 73.0 | 22110.1144 |
| **7** | **M12** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 73.0 | 22110.1146 |
| **7** | **M12 x 1,5** | 28 | 20 | 40.5 | 7 | 10 | 14 | 10 | 23 | 250 | 74.0 | 22110.1148 |
| **8** | **M16** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 35 | 250 | 110.0 | 22110.1150 |
| **8** | **M16 x 1,5** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 35 | 250 | 110.0 | 22110.1152 |
| **10** | **M16** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 35 | 250 | 112.0 | 22110.1154 |
| **10** | **M16 x 1,5** | 33 | 23 | 47.5 | 10 | 12 | 17 | 11 | 35 | 250 | 114.0 | 22110.1156 |

[1] statistical average value

## Application example



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## 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**
This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.

**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.