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Spring Plungers • smooth, with collar and pin
EH 22080.



Product Description

To be used for locating, tightening, as an assembly support, for applying pressure, as a detent, for ejection or as a shock absorber.

Material

Pin
- Stainless steel 1.4305
- Thermoplastic POM, white

Body
- Stainless steel 1.4303

Spring
- Stainless steel

Assembly

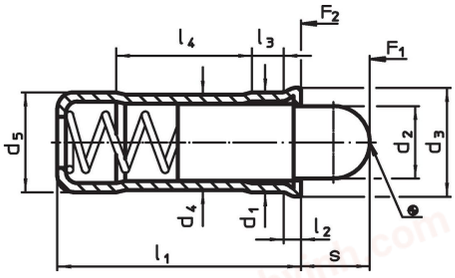
A tolerance of H7 is recommended for the locating hole of d_1.

More information

Notes

Customized design on request.
Spring plungers are specially tested for spring range and spring load.

Drawing



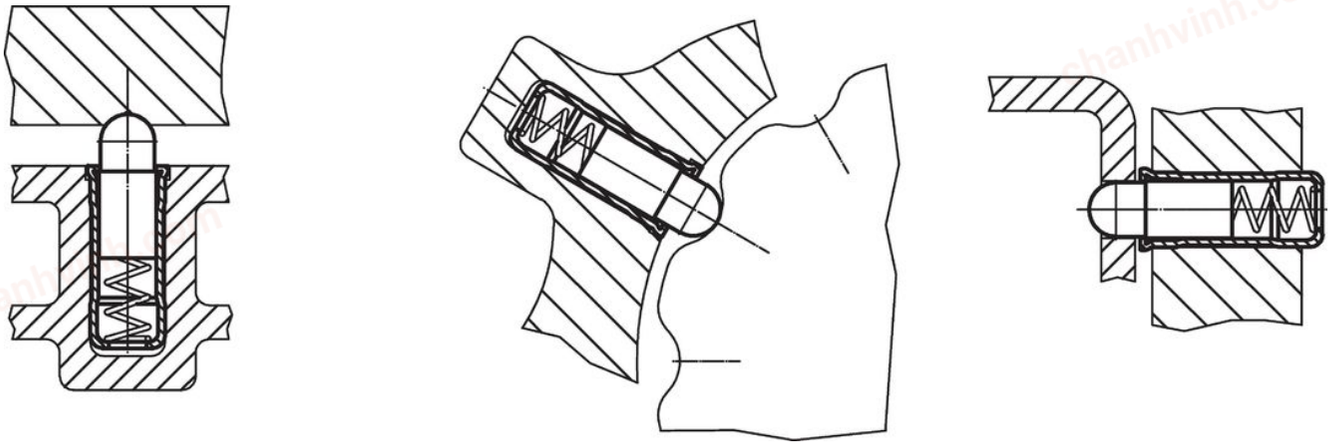
Order information

Dimensions									Stroke	Spring load[1]				Location hole		Art. No.
d_1 +0.1 +0.04	d_2	d_3	d_4	d_5 ±0.04	l_1	l_2 ~	l_3 ~	l_4 ~	s	F_1 ~	F_2 ~	min.	max.	H7		
[mm]									[mm]	[N]		[°C]		[mm]	[g]	
body and pin from stainless steel																
4	2.8	4.6	3.85	4	10.7	0.9	1.8	5.6	2.7	3.0	8.2	–	250	4	0.6	22080.0104
5	3.8	5.6	4.85	5	12.0	0.9	2.1	6.0	4.0	3.3	9.0	–	250	5	1.1	22080.0105
6	4.8	6.5	5.85	6	15.0	1.0	2.3	8.2	5.5	6.1	12.0	–	250	6	2.0	22080.0106
8	6.2	8.5	7.55	8	18.0	1.1	2.9	9.5	6.5	9.0	20.1	–	250	8	4.1	22080.0108
10	8.1	11.0	9.55	10	26.0	1.5	4.2	14.3	8.0	16.2	29.0	–	250	10	9.1	22080.0110
stainless steel body, thermoplastic pin																
4	2.8	4.6	3.85	4	10.7	0.9	1.8	5.6	2.7	3.0	8.2	-30	50	4	0.5	22080.0124
5	3.8	5.6	4.85	5	12.0	0.9	2.1	6.0	4.0	3.3	9.0	-30	50	5	0.7	22080.0125
6	4.8	6.5	5.85	6	15.0	1.0	2.3	8.2	5.5	6.1	12.0	-30	50	6	1.1	22080.0126
8	6.2	8.5	7.55	8	18.0	1.1	2.9	9.5	6.5	9.0	20.1	-30	50	8	2.3	22080.0128
10	8.1	11.0	9.55	10	26.0	1.5	4.2	14.3	8.0	16.2	29.0	-30	50	10	4.8	22080.0130

[1] statistical average value

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Application example



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.