

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

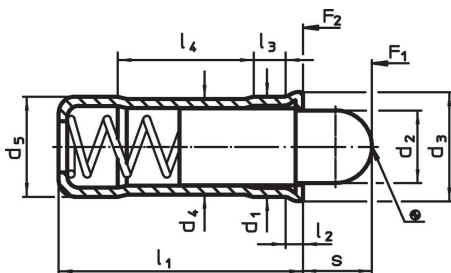
A tolerance of H7 is recommended for the locating hole of d_1 .

More information

Notes

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

Drawing

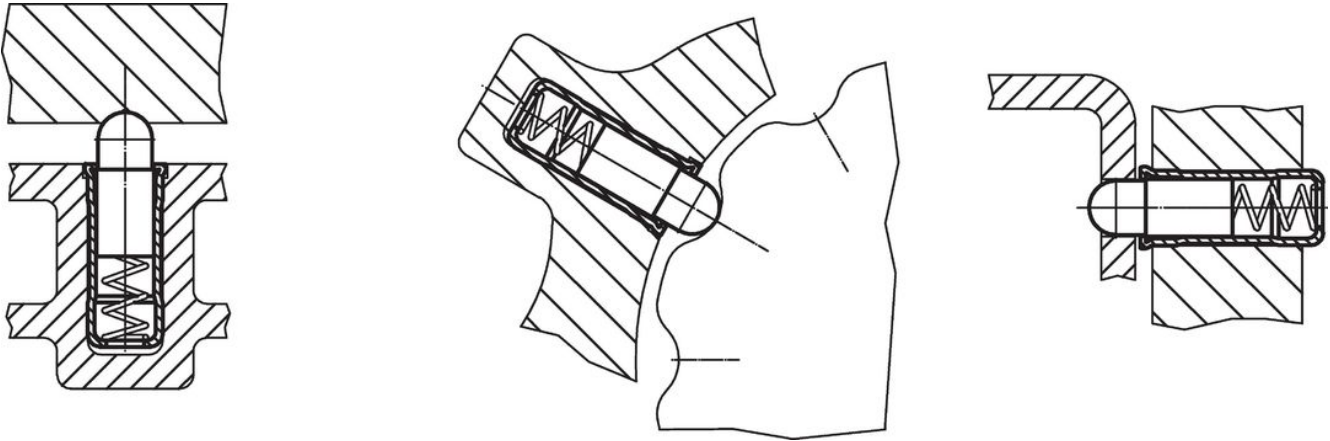


Order information

Dimensions										Stroke s	Spring load ¹⁾		Temperature		Location hole H7	Weight [g]	Art. No.
d ₁	d ₂	d ₃	d ₄	d ₅	l ₁	l ₂	l ₃	l ₄	F ₁		F ₂	min.	max.				
+0.1 +0.04				±0.04		~	~	~	[mm]	[N]	[N]	[°C]	[°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	0.7	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	4.0	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	9.0	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	1.2	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

Application example



Compliance

RoHS compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 27.06.2024.

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.