

Spring Plungers • smooth, without collar

EH 22080.

Product Description

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection.



Material

Body

- Stainless steel 1.4305

Ball

- Stainless steel, hardened

Spring

- stainless steel

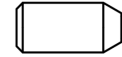
Assembly

The locating hole has to be adapted to each individual application case. We recommend an F8 size location hole for easy assembly and an H9 size when tight fit is required.

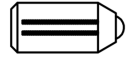
Characteristic

Standard spring load: no marking

Reinforced spring load: marked with two lines



Standard spring load



Heavy spring load

More information

Notes

Special types on request.

Spring plungers are specially tested for spring range and forces.

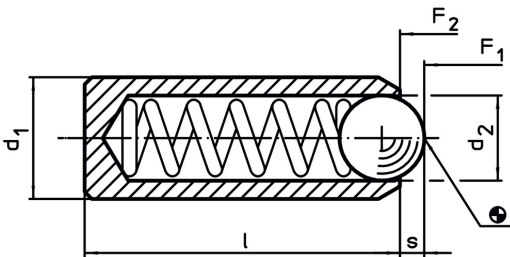
References

Calculation of indexing resistance, please refer to appendix - Technical Data -

Further products

- Spring Plungers, smooth, without collar, with moveable ball

Drawing



Order information

Dimensions			Stroke s [mm]	Spring load ¹⁾		max. [°C]	Location hole joint connection F8 / press fit H9 [mm]	[g]	Art. No.
d ₁ ±0.04	d ₂ [mm]	l		F ₁ ~ [N]	F ₂ ~ [N]				
stainless steel, standard spring load									
2.0	1.0	3.5	0.30	0.8	1.5	250	2.0	0.1	22080.0306
2.5	1.5	5.0	0.40	2.8	4.7	250	2.5	0.1	22080.0308
3.0	2.0	7.0	0.65	4.5	7.5	250	3.0	0.3	22080.0310
3.5	2.5	9.0	0.80	8.5	14.0	250	3.5	0.5	22080.0312
4.0	3.0	11.0	0.90	8.0	14.0	250	4.0	0.7	22080.0315
4.5	3.2	12.0	0.95	9.5	16.5	250	4.5	1.0	22080.0317
5.0	3.5	13.0	1.00	11.0	18.0	250	5.0	1.4	22080.0320
5.5	4.0	14.0	1.20	15.5	25.0	250	5.5	1.8	22080.0322

¹⁾ statistical average value