Spring Plungers · with moveable ball and slot

22051.0410

Product Description

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection. The running of the ball minimises wear on the counterpart, this also results in a positive locking behaviour depending on the counterpart.
Another advantage of the plastic ball is the electric insulation.

Material

Body
- Stainless steel 1.4305

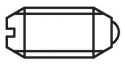
Bearing
- plastic

Ball
- Stainless steel, hardened

Spring
- Stainless steel

Characteristic

Standard spring load: no marking



Standard spring load

Heavy spring load

More information

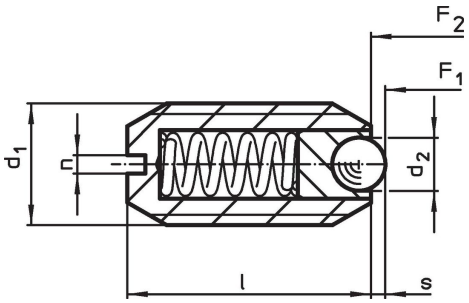
Notes

Special types on request.
Spring plungers are specially tested for spring range and forces.

References

Thread lock on request, please refer to appendix - Technical Data -
Calculation of indexing resistance, please refer to appendix - Technical Data -

Drawing

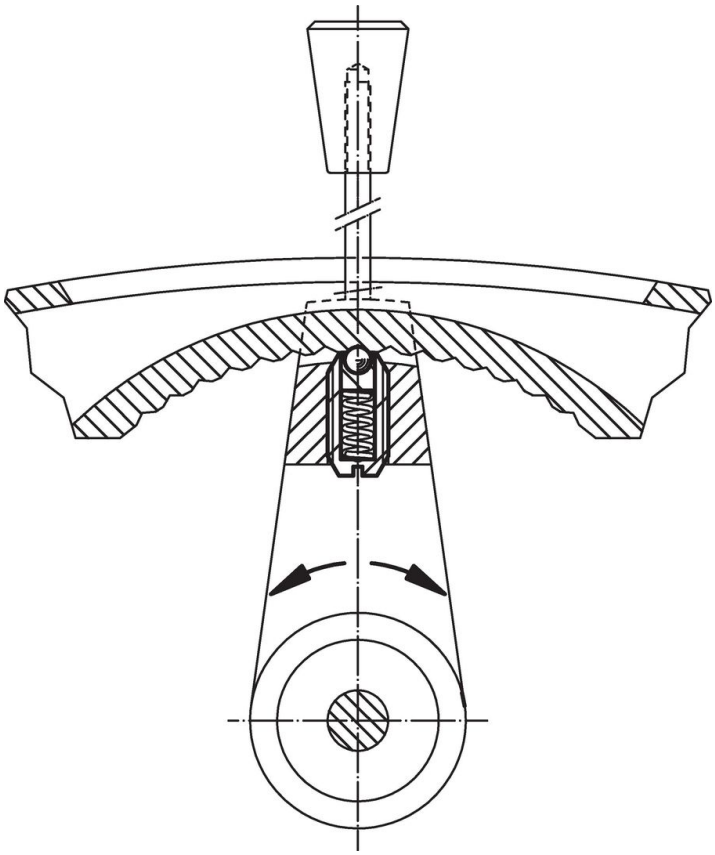


Order information

Dimensions				Stroke	Spring load[1]					Art. No.
d_1	d_2	l	n	s	F_1 ~	F_2 ~	min.	max.		
[mm]				[mm]	[N]		[°C]		[g]	
stainless steel, standard spring load										
M10	4.5	19	1.5	1.4	18.8	31.7	-30	90	5.9	22051.0410

[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 23.01.2024.

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.