Spring Plungers • with moveable ceramic ball and slot, stainless steel A4 22051.0716



Product Description

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection. The bearing of the ball allows it to unroll, which minimises wear on the counterpart. This also results in a positive locking behaviour depending on the counterpart.

Another advantage of the moveable ceramic ball is the electric insulation.

Characteristics of the ceramic ball:

- Highly impact-resistant
- Abrasion resistant
- Antimagnetic
- Electrically isolating

The stainless steel A4 version ensures maximum corrosion resistance.

Material

Body

· Stainless steel A4

Bearing

plastic

Ball

Ceramic

Spring

Stainless steel

Characteristic

Heavy 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.

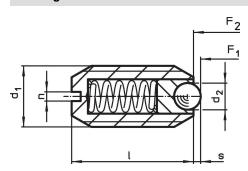
References

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

Further products

· Spring Plungers, with ceramic ball and slot, stainless steel A4

Drawing



Order information

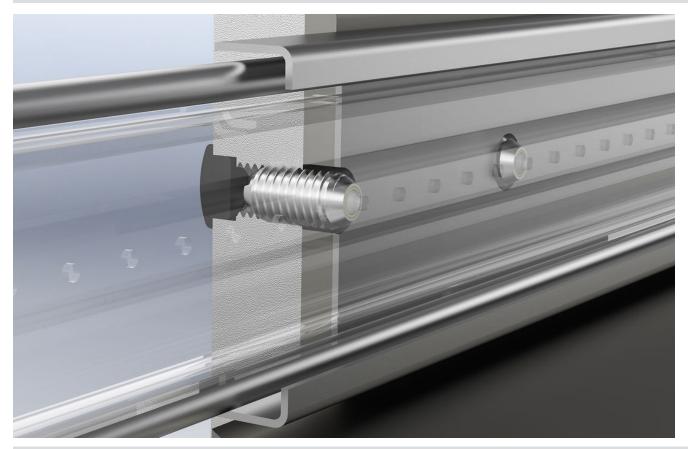
Dimensions				Stroke	Spring load ¹⁾				I	Art. No.
d ₁	d ₂	1	n	S	F ₁	F ₂	min.	max.		
[mm]			[mm]	[N]		[°C]		[g]		
heavy spring load										
M16	8.5	24	2	3.1	50	88.7	-30	90	19	22051.0716

¹⁾ statistical average value

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Page 1 of 2 Published on: 6.4.2024

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.

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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.



www.halder.com Page 2 of 2

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