

Spring Plungers · with ball and slot - INCH

2B050.0031



Product Description

To be used for positioning, indexing, locking, latching as well as for other similar pressure applications.
Spring plungers can be used for locating or for applying pressure, as a detent or for ejection.

Material

Body

- Free cutting steel, blackened

Ball

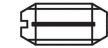
- Stainless steel, hardened

Spring

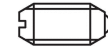
- Stainless steel

Characteristic

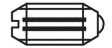
Standard spring load: no marking



Light spring load



Standard spring load



Heavy spring load

More information

Notes

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

- This product is manufactured in INCH dimensions.

References

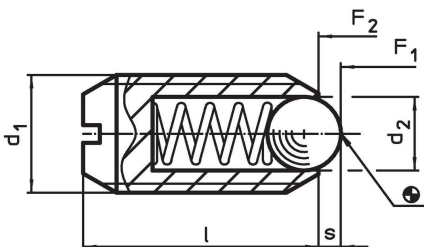
A conversion table can be found in the technical data following these product information pages.

Thread lock: polyamide spot coating (for details please refer to the technical appendix).
Calculation of indexing resistance, please refer to appendix - Technical Data -

Further products

- Spring Plungers, with ball and slot
- Locators, with bore hole, for spring plungers
- Locators, smooth, for spring plungers

Drawing



Order information

Dimensions				Stroke s	Spring load ¹⁾		Temperature		Art. No.		
d ₁	Thread	d ₂	l		F ₁ ~	F ₂ ~	min.	max.			
[in]		[in]		[in]	[lb]		[°F]	[oz]			
free cutting steel, standard spring load, Without thread lock											
#4-48	0.112	2A-UNF	1/16	3/16	0.02	0.1	0.5	-22	482	0.004	2B050.0031

¹⁾ statistical average value

Application example



Compliance

RoHS compliant

Contains lead - compliant according to exceptions 6a / 6b / 6c.

Contains SVHC substances >0,1% w/w

Contains lead - SVHC list [REACH] as of 27.06.2024.

Contains Proposition 65 substances



Lead can cause cancer and reproductive harm from exposure
<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.