

## Spring Plungers • with ball and slot - INCH

### 2B050.0176



#### 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

- Stainless steel 1.4305 (ASTM-A-582)

##### Ball

- Stainless steel, hardened

##### Spring

- Stainless steel

#### Characteristic

Heavy spring load: marked with two lines



Light spring load



Standard spring load



Heavy spring load

#### More information

#### Notes

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

- This product is manufactured in INCH dimensions.

#### References

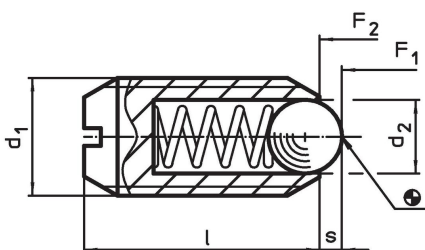
A conversion table can be found in the technical data following these product information pages.

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

#### Drawing



#### Order information

Dimensions			Thread	d <sub>2</sub> [in]	l [in]	Stroke s [in]	Spring load <sup>1)</sup>		min. max. [°F]	oz	Art. No.	
d <sub>1</sub> [in]		F <sub>1</sub> ~ [lb]					F <sub>2</sub> ~ [lb]					
stainless steel, heavy spring load, Without thread lock												
5/16-18	5/16	0.313	2A-UNC	5/32	37/64	0.04	6	11.1	-22	482	0.123	2B050.0176

<sup>1)</sup> 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.