

Spring Plungers · with ball and internal hexagon  
22030.0020



**Product Description**

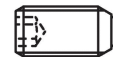
Spring plungers can be used for locating or for applying pressure, as a detent or for ejection.

**Material**

- Body**
  - Free cutting steel, blackened
- Ball**
  - Ball-bearing steel, hardened
- Spring**
  - Stainless steel

**Characteristic**

Standard spring load: no marking



Standard spring load



Heavy spring load

**More information**

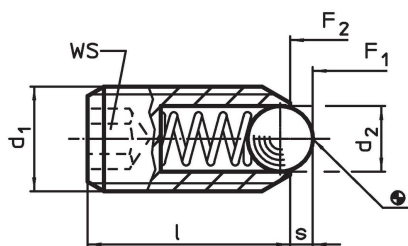
**Notes**

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			WS	Stroke s	Spring load <sup>1)</sup>		max. [°C]	[g]	Art. No.
d <sub>1</sub>	d <sub>2</sub>	l			F <sub>1</sub> ~	F <sub>2</sub> ~			
[mm]			[mm]	[mm]	[N]				
free cutting steel, standard spring load									
M20	12	43	10	4.5	56	111	250	67	22030.0020

<sup>1)</sup> 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 23.01.2024.

#### 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.