

## Spring Plungers • headed, with ball and slot EH 22050.



### Product Description

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection. Precise screwing depth due to head.

### Material

#### Body

- Free cutting steel, blackened
- Stainless steel 1.4305

#### Ball

- Ball-bearing steel, hardened
- Stainless steel, hardened

#### Spring

- Stainless steel

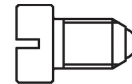
### Assembly

Respect dimension  $l_3$  for M 4 / M 5.

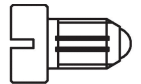
### Characteristic

Standard spring load: no marking

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.

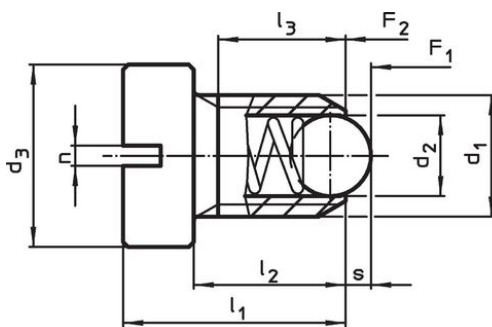
### References

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

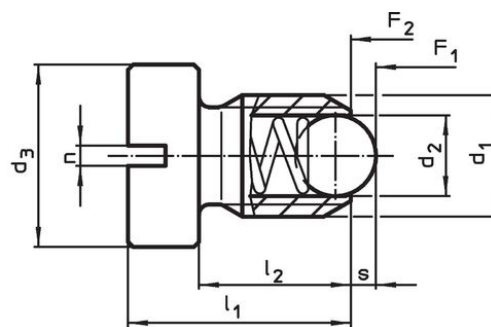
### Further products

- Locators, with bore hole, for spring plungers
- Locators, smooth, for spring plungers

### Drawing



Size M4+M5



Size M6-M12

### Order information

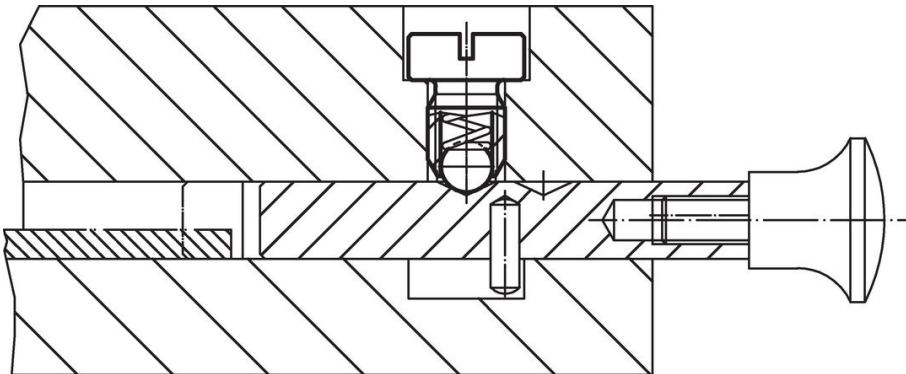
d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	Dimensions				n	Stroke s [mm]	Spring load <sup>1)</sup>		max. [°C]	[g]	Art. No.
			l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub> min.	F <sub>1</sub> ~ [N]			F <sub>2</sub> ~ [N]				
free cutting steel, standard spring load													
M 4	2.5	6	9.5	6.5	5.0	0.6	0.8	8.0	14.0	250	1.0	22050.0930	
M 5	3.0	8	12.5	8.5	6.7	0.8	0.9	8.0	14.0	250	2.2	22050.0931	
M 6	3.5	10	14.0	9.0	-	1.0	1.0	11.0	18.0	250	3.7	22050.0932	
M 8	4.5	13	16.5	11.0	-	1.2	1.5	18.0	31.0	250	7.4	22050.0933	
M10	6.0	16	20.0	14.0	-	1.5	2.0	24.0	45.0	250	13.0	22050.0934	
M12	8.0	18	22.0	15.0	-	2.0	2.5	26.0	49.0	250	19.0	22050.0935	

<sup>1)</sup> statistical average value

d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	Dimensions				n	Stroke s [mm]	Spring load <sup>1)</sup>		max. [°C]	[g]	Art. No.
			l <sub>1</sub> [mm]	l <sub>2</sub>	l <sub>3</sub> min.	F <sub>1</sub> ~ [N]			F <sub>2</sub> ~				
<b>free cutting steel, heavy spring load</b>													
<b>M 4</b>	2.5	6	9.5	6.5	5.0	0.6	0.8	12.0	18.0	250	0.9	<a href="#">22050.1040</a>	
<b>M 5</b>	3.0	8	12.5	8.5	6.7	0.8	0.9	15.0	22.0	250	2.2	<a href="#">22050.1050</a>	
<b>M 6</b>	3.5	10	14.0	9.0	–	1.0	1.0	19.3	26.6	250	3.8	<a href="#">22050.1060</a>	
<b>M 8</b>	4.5	13	16.5	11.0	–	1.2	1.5	36.0	60.5	250	7.5	<a href="#">22050.1080</a>	
<b>M10</b>	6.0	16	20.0	14.0	–	1.5	2.0	57.0	103.5	250	13.0	<a href="#">22050.1100</a>	
<b>M12</b>	8.0	18	22.0	15.0	–	2.0	2.5	61.0	110.0	250	19.0	<a href="#">22050.1120</a>	
<b>stainless steel, standard spring load</b>													
<b>M 4</b>	2.5	6	9.5	6.5	5.0	0.6	0.8	8.0	14.0	250	1.0	<a href="#">22050.0940</a>	
<b>M 5</b>	3.0	8	12.5	8.5	6.7	0.8	0.9	8.0	14.0	250	2.2	<a href="#">22050.0941</a>	
<b>M 6</b>	3.5	10	14.0	9.0	–	1.0	1.0	11.0	18.0	250	3.8	<a href="#">22050.0942</a>	
<b>M 8</b>	4.5	13	16.5	11.0	–	1.2	1.5	18.0	31.0	250	7.5	<a href="#">22050.0943</a>	
<b>M10</b>	6.0	16	20.0	14.0	–	1.5	2.0	24.0	45.0	250	13.0	<a href="#">22050.0944</a>	
<b>M12</b>	8.0	18	22.0	15.0	–	2.0	2.5	26.0	49.0	250	19.0	<a href="#">22050.0945</a>	
<b>stainless steel, heavy spring load</b>													
<b>M 4</b>	2.5	6	9.5	6.5	5.0	0.6	0.8	12.0	18.0	250	1.0	<a href="#">22050.1240</a>	
<b>M 5</b>	3.0	8	12.5	8.5	6.7	0.8	0.9	15.0	22.0	250	2.2	<a href="#">22050.1250</a>	
<b>M 6</b>	3.5	10	14.0	9.0	–	1.0	1.0	19.3	26.6	250	3.8	<a href="#">22050.1260</a>	
<b>M 8</b>	4.5	13	16.5	11.0	–	1.2	1.5	36.0	60.5	250	7.6	<a href="#">22050.1280</a>	
<b>M10</b>	6.0	16	20.0	14.0	–	1.5	2.0	57.0	103.5	250	13.0	<a href="#">22050.1300</a>	
<b>M12</b>	8.0	18	22.0	15.0	–	2.0	2.5	61.0	110.0	250	19.0	<a href="#">22050.1320</a>	

<sup>1)</sup> statistical average value

### Application example



### Compliance

For detailed compliance information please select the desired article number.