

## Spring Plungers • with pin and slot

### EH 22050.



#### Product Description

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

#### Material

##### Pin

- Free cutting steel, hardened, blackened
- Stainless Steel 1.4305, nitrided

##### Body

- Free cutting steel, blackened
- Stainless steel 1.4305

##### Spring

- Stainless steel

#### Characteristic

Standard spring load: no marking

Heavy spring load: marked with two lines



Standard spring load

Heavy spring load

#### More information

#### Notes

Customized design on request.

Spring plungers are specially tested for spring range and forces.

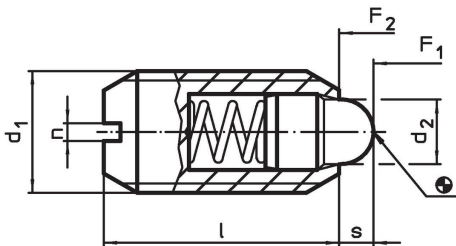
#### References

Thread lock on request, please refer to appendix - Technical Data -

#### Further products

- Holders, for spring plungers
- Spring Plungers, with pin and slot - INCH

#### Drawing



#### Order information

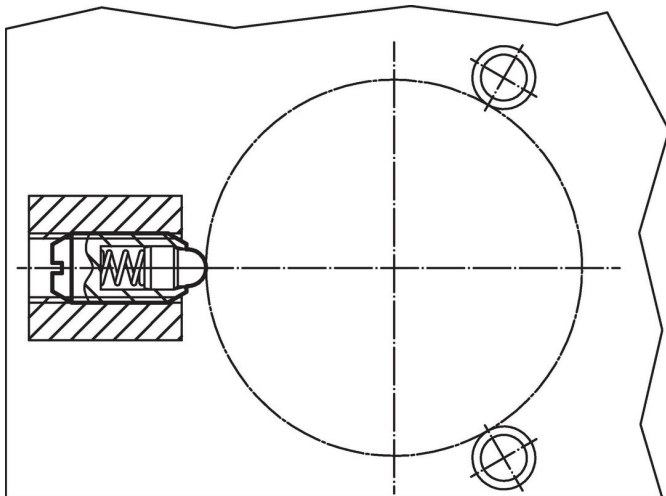
d <sub>1</sub>	Dimensions			Stroke s [mm]	Spring load <sup>1)</sup>		max. [°C]	[g]	Art. No.
	d <sub>2</sub>	l	n		F <sub>1</sub> ~ [N]	F <sub>2</sub> ~ [N]			
<b>free cutting steel, standard spring load</b>									
M 4	1.8	9	0.6	1.5	4.5	12.5	250	0.4	22050.0104
M 5	2.4	12	0.8	2.0	5.0	13.0	250	1.1	22050.0105
M 6	2.7	14	1.0	2.0	6.0	17.0	250	1.8	22050.0106
M 8	3.8	16	1.2	2.0	16.0	33.0	250	3.7	22050.0108
M10	4.5	19	1.5	2.5	19.0	42.0	250	7.0	22050.0110
M12	6.2	22	2.0	3.5	22.0	57.0	250	11.0	22050.0112
M16	8.5	24	2.0	4.5	38.0	78.0	250	22.0	22050.0116
M20	10.0	30	2.5	6.5	39.0	81.0	250	45.0	22050.0120
M24	13.0	34	3.0	8.0	72.0	155.0	250	72.0	22050.0124
<b>free cutting steel, heavy spring load</b>									
M 6	2.7	14	1.0	2.0	11.0	25.0	250	1.8	22050.0306
M 8	3.8	16	1.2	2.0	23.0	59.0	250	3.8	22050.0308
M10	4.5	19	1.5	2.5	20.0	54.0	250	7.0	22050.0310

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

d <sub>1</sub>	Dimensions			Stroke s [mm]	Spring load <sup>1)</sup>		max. [°C]	[g]	Art. No.
	d <sub>2</sub>	l	n		F <sub>1</sub> ~ [N]	F <sub>2</sub> ~ [N]			
M12	6.2	22	2.0	3.5	38.0	96.0	250	11.0	<a href="#">22050.0312</a>
M16	8.5	24	2.0	4.5	50.0	100.0	250	22.0	<a href="#">22050.0316</a>
M20	10.0	30	2.5	6.5	52.0	133.0	250	46.0	<a href="#">22050.0320</a>
M24	13.0	34	3.0	8.0	91.0	223.0	250	73.0	<a href="#">22050.0324</a>
<b>stainless steel, standard spring load</b>									
M 4	1.8	9	0.6	1.5	4.5	12.5	250	0.4	<a href="#">22050.0504</a>
M 5	2.4	12	0.8	2.0	5.0	13.0	250	1.1	<a href="#">22050.0505</a>
M 6	2.7	14	1.0	2.0	6.0	17.0	250	1.8	<a href="#">22050.0506</a>
M 8	3.8	16	1.2	2.0	16.0	33.0	250	3.8	<a href="#">22050.0508</a>
M10	4.5	19	1.5	2.5	19.0	42.0	250	7.0	<a href="#">22050.0510</a>
M12	6.2	22	2.0	3.5	22.0	57.0	250	11.0	<a href="#">22050.0512</a>
M16	8.5	24	2.0	4.5	38.0	78.0	250	22.0	<a href="#">22050.0516</a>
M20	10.0	30	2.5	6.5	39.0	81.0	250	46.0	<a href="#">22050.0520</a>
M24	13.0	34	3.0	8.0	72.0	155.0	250	73.0	<a href="#">22050.0524</a>
<b>stainless steel, heavy spring load</b>									
M 6	2.7	14	1.0	2.0	11.0	25.0	250	1.8	<a href="#">22050.0706</a>
M 8	3.8	16	1.2	2.0	23.0	59.0	250	3.8	<a href="#">22050.0708</a>
M10	4.5	19	1.5	2.5	20.0	54.0	250	7.0	<a href="#">22050.0710</a>
M12	6.2	22	2.0	3.5	38.0	96.0	250	11.0	<a href="#">22050.0712</a>
M16	8.5	24	2.0	4.5	50.0	100.0	250	23.0	<a href="#">22050.0716</a>
M20	10.0	30	2.5	6.5	52.0	133.0	250	46.0	<a href="#">22050.0720</a>
M24	13.0	34	3.0	8.0	91.0	223.0	250	74.0	<a href="#">22050.0724</a>

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

### Application example



### Compliance

For detailed compliance information please select the desired article number.