

## Spring Plungers · with pin and internal hexagon

EH 22030.



### 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

Special types on request.

Spring plungers are specially tested for spring range and forces.

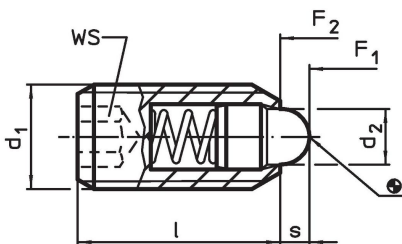
#### References

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

#### Further products

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

### Drawing



### Order information

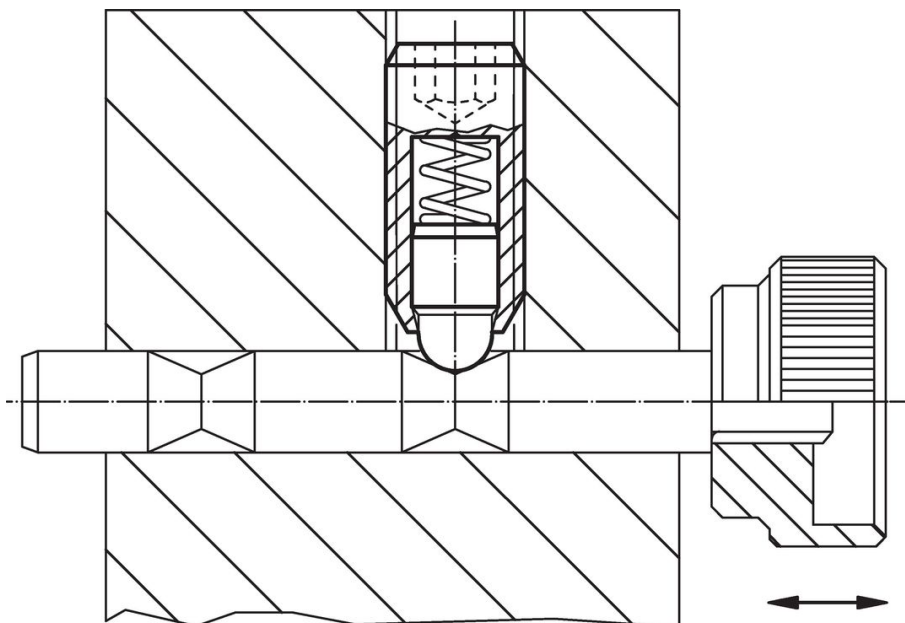
Dimensions			WS	Stroke s	Spring load <sup>1)</sup>		max. [°C]	[g]	Art. No.
d <sub>1</sub>	d <sub>2</sub>	l			F <sub>1</sub> ~	F <sub>2</sub> ~			
[mm]			[mm]	[mm]	[N]	[N]			
<b>free cutting steel, standard spring load</b>									
M 4	1.8	12	2.0	1.5	4.5	12.5	250	0.6	<a href="#">22030.0104</a>
M 5	2.4	14	2.5	2.0	5.0	13.0	250	1.2	<a href="#">22030.0105</a>
M 6	2.7	15	3.0	2.0	6.0	17.0	250	1.8	<a href="#">22030.0106</a>
M 8	3.8	18	4.0	2.0	16.0	33.0	250	4.1	<a href="#">22030.0108</a>
M10	4.5	23	5.0	2.5	19.0	42.0	250	8.4	<a href="#">22030.0110</a>
M12	6.2	26	6.0	3.5	22.0	57.0	250	13.0	<a href="#">22030.0112</a>
M16	8.5	33	8.0	4.5	38.0	78.0	250	32.0	<a href="#">22030.0116</a>
M20	10.0	43	10.0	6.5	39.0	81.0	250	68.0	<a href="#">22030.0120</a>
M24	13.0	48	12.0	8.0	72.0	155.0	250	106.0	<a href="#">22030.0124</a>
<b>free cutting steel, heavy spring load</b>									
M 6	2.7	15	3.0	2.0	11.0	25.0	250	1.9	<a href="#">22030.0146</a>
M 8	3.8	18	4.0	2.0	23.0	59.0	250	4.1	<a href="#">22030.0148</a>
M10	4.5	23	5.0	2.5	20.0	54.0	250	8.4	<a href="#">22030.0150</a>

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

d <sub>1</sub>	Dimensions		WS [mm]	Stroke s [mm]	Spring load <sup>1)</sup>		max. [°C]	[g]	Art. No.
	d <sub>2</sub> [mm]	l			F <sub>1</sub> ~ [N]	F <sub>2</sub> ~			
M12	6.2	26	6.0	3.5	38.0	96.0	250	13.0	<a href="#">22030.0152</a>
M16	8.5	33	8.0	4.5	50.0	100.0	250	32.0	<a href="#">22030.0156</a>
M20	10.0	43	10.0	6.5	52.0	133.0	250	68.0	<a href="#">22030.0160</a>
M24	13.0	48	12.0	8.0	91.0	223.0	250	106.0	<a href="#">22030.0164</a>
<b>stainless steel, standard spring load</b>									
M 4	1.8	12	2.0	1.5	4.5	12.5	250	0.6	<a href="#">22030.0304</a>
M 5	2.4	14	2.5	2.0	5.0	13.0	250	1.2	<a href="#">22030.0305</a>
M 6	2.7	15	3.0	2.0	6.0	17.0	250	1.9	<a href="#">22030.0306</a>
M 8	3.8	18	4.0	2.0	16.0	33.0	250	4.2	<a href="#">22030.0308</a>
M10	4.5	23	5.0	2.5	19.0	42.0	250	8.4	<a href="#">22030.0310</a>
M12	6.2	26	6.0	3.5	22.0	57.0	250	13.0	<a href="#">22030.0312</a>
M16	8.5	33	8.0	4.5	38.0	78.0	250	32.0	<a href="#">22030.0316</a>
M20	10.0	43	10.0	6.5	39.0	81.0	250	68.0	<a href="#">22030.0320</a>
M24	13.0	48	12.0	8.0	72.0	155.0	250	104.0	<a href="#">22030.0324</a>
<b>stainless steel, heavy spring load</b>									
M 6	2.7	15	3.0	2.0	11.0	25.0	250	1.9	<a href="#">22030.0346</a>
M 8	3.8	18	4.0	2.0	23.0	59.0	250	4.2	<a href="#">22030.0348</a>
M10	4.5	23	5.0	2.5	20.0	54.0	250	8.4	<a href="#">22030.0350</a>
M12	6.2	26	6.0	3.5	38.0	96.0	250	13.0	<a href="#">22030.0352</a>
M16	8.5	33	8.0	4.5	50.0	100.0	250	32.0	<a href="#">22030.0356</a>
M20	10.0	43	10.0	6.5	52.0	133.0	250	68.0	<a href="#">22030.0360</a>
M24	13.0	48	12.0	8.0	91.0	223.0	250	108.0	<a href="#">22030.0364</a>

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

### Application example



### Compliance

For detailed compliance information please select the desired article number.