

## Spring Plungers · 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.



#### Material

##### Body

- Free cutting steel, blackened
- Stainless steel 1.4305

##### Ball

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

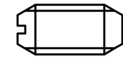
##### Spring

- stainless steel

#### Characteristic

Standard spring load: no marking

Reinforced 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.

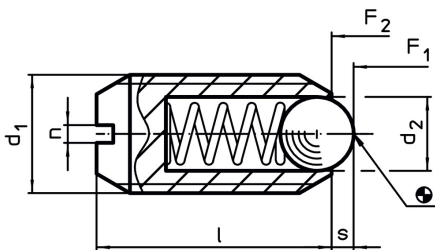
#### References

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

#### Further products

- Spring Plungers, with ball and slot - INCH

### Drawing



### Order information

| Dimensions                                      |                |    |      | Stroke<br>s<br>[mm] | Spring load <sup>1)</sup>  |                            | max.<br>[°C] | [g]  | Art. No.   |
|---|----------------|----|------|---------------------|----------------------------|----------------------------|--------------|------|------------|
| d <sub>1</sub>                                  | d <sub>2</sub> | l  | n    |                     | F <sub>1</sub><br>~<br>[N] | F <sub>2</sub><br>~<br>[N] |              |      |            |
| <b>free cutting steel, standard spring load</b> |                |    |      |                     |                            |                            |              |      |            |
| M 3   | 1.5            | 7  | 0.40 | 0.4                 | 3.0                        | 4.5                        | 250          | 0.2  | 22050.0003 |
| M 4   | 2.5            | 9  | 0.60 | 0.8                 | 8.5                        | 14.0                       | 250          | 0.4  | 22050.0004 |
| M 5   | 3.0            | 12 | 0.80 | 0.9                 | 8.0                        | 14.0                       | 250          | 1.0  | 22050.0005 |
| M 6   | 3.5            | 14 | 1.00 | 1.0                 | 11.0                       | 18.0                       | 250          | 1.7  | 22050.0006 |
| M 8   | 4.5            | 16 | 1.20 | 1.5                 | 18.0                       | 31.0                       | 250          | 3.5  | 22050.0008 |
| M10   | 6.0            | 19 | 1.50 | 2.0                 | 24.0                       | 45.0                       | 250          | 6.5  | 22050.0010 |
| M12   | 8.0            | 22 | 2.00 | 2.5                 | 26.0                       | 49.0                       | 250          | 11.0 | 22050.0012 |
| M16   | 10.0           | 24 | 2.00 | 3.5                 | 41.0                       | 86.0                       | 250          | 22.0 | 22050.0016 |
| M20   | 12.0           | 30 | 2.50 | 4.5                 | 56.0                       | 111.0                      | 250          | 45.0 | 22050.0020 |
| M24   | 15.0           | 34 | 3.00 | 5.5                 | 81.0                       | 151.0                      | 250          | 72.0 | 22050.0024 |
| <b>free cutting steel, heavy spring load</b>    |                |    |      |                     |                            |                            |              |      |            |
| M 4   | 2.5            | 9  | 0.60 | 0.8                 | 12.0                       | 18.0                       | 250          | 0.4  | 22050.0204 |
| M 5   | 3.0            | 12 | 0.80 | 0.9                 | 15.0                       | 22.0                       | 250          | 1.0  | 22050.0205 |
| M 6   | 3.5            | 14 | 1.00 | 1.0                 | 19.0                       | 28.0                       | 250          | 1.7  | 22050.0206 |
| M 8   | 4.5            | 16 | 1.20 | 1.5                 | 36.0                       | 62.0                       | 250          | 3.6  | 22050.0208 |

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