# **Spring Plungers •** smooth, with collar and ball, self-clamping 22080.0804



# **Product Description**

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection. Due to expanding fit of the body, the spring plungers can accommodate variation of up to 0,2 mm in the locating bore. A less precise locating hole means lower machining costs.

#### **Material**

#### **Body**

· Thermoplastic POM, black

· Thermoplastic POM, white

### **Spring**

· Stainless steel

#### **Assembly**

Thanks to the flexible design of the body, a direct manual mounting and a secure overhead installation is possible.

#### More information

#### **Notes**

Special types on request. Spring plungers are specially tested for spring range and forces.

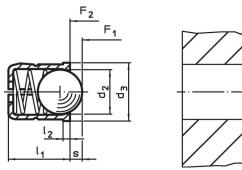
#### References

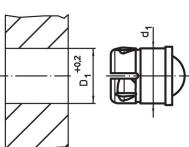
Calculation of indexing resistance, please refer to appendix - Technical Data -

#### **Further products**

- · Spring Plungers, smooth, with collar and ball
- Locators, with bore hole, for spring plungers
- Locators, smooth, for spring plungers
- Spring Plungers, smooth, with collar and ball, self-clamping - INCH

## **Drawing**





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# **Order information**

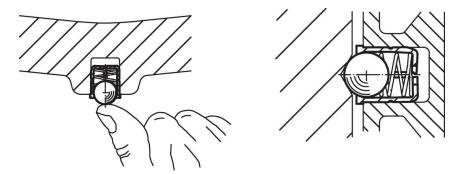
|                                  |                | Dimensions     |            |                  | Stroke | Spring load <sup>1)</sup> |                  | <u>D</u> |      | Location hole                 | I   | Art. No.   |
|----------------------------------|----------------|----------------|------------|------------------|--------|---------------------------|------------------|----------|------|-------------------------------|-----|------------|
| <b>d</b> ₁<br>+0.1               | d <sub>2</sub> | d <sub>3</sub> | l₁<br>±0.2 | l <sub>2</sub> ~ | s      | F <sub>1</sub> ~          | F <sub>2</sub> ~ | min.     | max. | <b>D</b> <sub>1</sub><br>+0.2 |     |            |
| [mm]                             |                |                |            |                  | [mm]   |                           | [N]              | [°C]     |      | [mm]                          | [g] |            |
| body and ball from thermoplastic |                |                |            |                  |        |                           |                  |          |      |                               |     |            |
| 4                                | 3              | 4.6            | 5          | 1                | 0.8    | 3                         | 6.5              | -30      | 50   | 4                             | 0.1 | 22080.0804 |

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

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# **Application example**



# Compliance

### **RoHS** compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

### Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 27.06.2024.

# **Does not contain Proposition 65 substances**

No Proposition 65 substances included. 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.



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