

## Spring Plungers • smooth, with collar and ball, self-clamping EH 22080.

### 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

##### Ball

- Stainless steel, hardened
- 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.

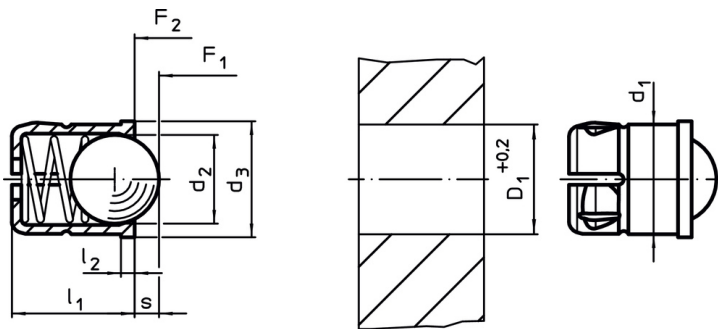
#### References

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



#### Further products

- Spring Plungers, smooth, with collar and ball
- Spring Plungers, smooth, with collar and ball, self-clamping – INCH

### Drawing



### Order information

Dimensions					Stroke s	Spring load <sup>1)</sup>				Location hole		Art. No.	
d <sub>1</sub> +0.1	d <sub>2</sub>	d <sub>3</sub>	l <sub>1</sub> ±0.2	l <sub>2</sub> ~		F <sub>1</sub> ~	F <sub>2</sub> ~	min.	max.	D <sub>1</sub> +0.2			
[mm]						[N]		[°C]		[mm]			[g]
Thermoplastic body, stainless steel ball													
4	3.0	4.6	5.0	1.0	0.8	3.0	6.5	-30	50	4	0.2	<a href="#">22080.0704</a>	
5	4.0	5.6	6.0	1.0	1.0	6.0	9.4	-30	50	5	0.4	<a href="#">22080.0705</a>	
6	5.0	6.5	7.0	1.0	1.6	6.2	12.6	-30	50	6	0.7	<a href="#">22080.0706</a>	
8	6.5	8.5	9.0	1.0	1.9	10.0	20.4	-30	50	8	1.5	<a href="#">22080.0708</a>	
10	8.0	11.0	13.5	1.5	2.4	11.9	22.3	-30	50	10	3.1	<a href="#">22080.0710</a>	
body and ball from thermoplastic													
4	3.0	4.6	5.0	1.0	0.8	3.0	6.5	-30	50	4	0.1	<a href="#">22080.0804</a>	
5	4.0	5.6	6.0	1.0	1.0	6.0	9.4	-30	50	5	0.1	<a href="#">22080.0805</a>	
6	5.0	6.5	7.0	1.0	1.6	6.2	12.6	-30	50	6	0.2	<a href="#">22080.0806</a>	
8	6.5	8.5	9.0	1.0	1.9	10.0	20.4	-30	50	8	0.5	<a href="#">22080.0808</a>	
10	8.0	11.0	13.5	1.5	2.4	11.9	22.3	-30	50	10	1.4	<a href="#">22080.0810</a>	

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