# Spring Plungers • with ceramic ball and slot, stainless steel A4



# **Product Description**

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection. The version from stainless steel A4 guarantees the highest corrosion protection. Characteristics of the ceramic ball:

- · Highly impact-resistant
- Abrasion resistant
- Antimagnetic
- Electrically isolating

#### **Material**

#### **Body**

· Stainless steel A4, passivated

· Ceramic

# Spring

· Stainless steel A4, passivated

#### 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.

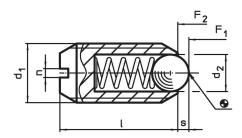
#### References

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

#### **Further products**

- Spring Plungers, with moveable ceramic ball and slot, stainless steel A4
- Locators, with bore hole, for spring plungers
- Locators, smooth, for spring plungers
- · Holders, for spring plungers

#### **Drawing**



### **Order information**

Dimensions				Stroke	Spring load <sup>1)</sup>			I	Art. No.			
d <sub>1</sub>	d <sub>2</sub>	ı	n	S	F <sub>1</sub>	F <sub>2</sub>	max.					
					~	~						
[mm]				[mm]	[N]		[°C]	[g]				
stainless steel A4, standard spring load												
M 4	2.5	9	0.6	0.8	8.5	14	250	0.4	22050.1404			
M 5	3.0	12	0.8	0.9	8.0	14	250	0.9	22050.1405			
М 6	3.5	14	1.0	1.0	11.0	18	250	1.6	22050.1406			
M 8	4.5	16	1.2	1.5	18.0	31	250	3.4	22050.1408			
M10	6.0	19	1.5	2.0	24.0	45	250	6.2	22050.1410			
M12	8.0	22	2.0	2.5	26.0	49	250	9.6	22050.1412			
M16	10.0	24	2.0	3.5	41.0	86	250	21.0	22050.1416			

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



Erwin Halder KG www.halder.com Page 1 of 2

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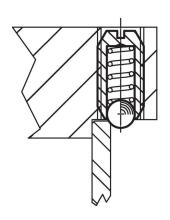
Dimensions				Stroke	Spring load <sup>1)</sup>			I	Art. No.			
d <sub>1</sub>	d <sub>2</sub>	l I	n	s	F <sub>1</sub>	F <sub>2</sub>	max.					
					~	~						
[mm]				[mm]	[N]		[°C]	[g]				
stainless steel A4, heavy spring load												
M 4	2.5	9	0.6	0.8	12.0	18	250	0.4	22050.1604			
M 5	3.0	12	0.8	0.9	15.0	22	250	1.0	22050.1605			
М 6	3.5	14	1.0	1.0	19.0	28	250	1.6	22050.1606			
M 8	4.5	16	1.2	1.5	36.0	62	250	3.5	22050.1608			
M10	6.0	19	1.5	2.0	57.0	104	250	6.3	22050.1610			
M12	8.0	22	2.0	2.5	61.0	110	250	9.6	22050.1612			
M16	10.0	24	2.0	3.5	68.0	142	250	21.0	22050.1616			

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

# **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.



www.halder.com Page 2 of 2
Published on: 13.11.2024