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Spring Plungers • double-sided
EH 22090.



Product Description

To be used for locating and securing, as well as electric connection.

Material

Body
- Brass

Ball
- Stainless steel, hardened

Spring
- Stainless steel

More information

Notes

Customized design on request.
Spring plungers are specially tested for spring range and spring load.

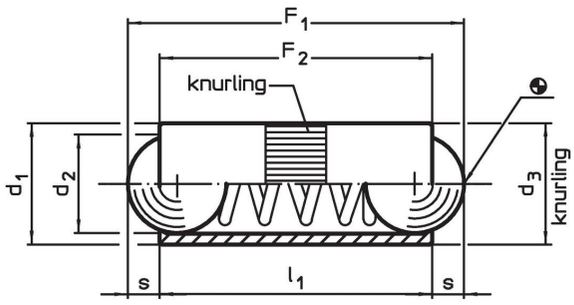
References

Calculation of indexing resistance, please refer to application example

Further products

- Locators, bolt-on, for spring plungers
- Locators, smooth, for spring plungers

Drawing



Order information

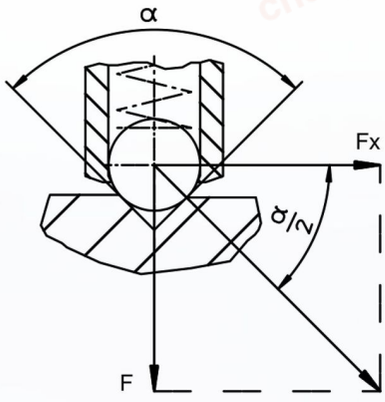
Dimensions d_1 [mm]	d_2 [mm]	d_3 [mm]	l_1 [mm]	Stroke s [mm]	Spring load[1) F_1 ~ [N]	F_2 ~ [N]	max. [°C]	Location hole H8 [mm]	[g]	Art. No.
2.5	2.0	2.52	5.3	0.65	1.3	2.5	250	2.5	0.1	22090.0025
3.0	2.5	3.02	7.3	0.80	2.0	4.5	250	3.0	0.3	22090.0030
4.0	3.0	4.03	9.0	0.90	2.5	7.5	250	4.0	0.6	22090.0040
5.0	4.0	5.03	10.8	1.20	3.5	8.0	250	5.0	1.1	22090.0050
6.0	5.0	6.03	12.6	1.60	3.5	10.5	250	6.0	2.0	22090.0060
7.0	6.0	7.03	14.0	2.00	4.0	12.0	250	7.0	3.0	22090.0070
8.0	6.5	8.03	18.0	2.10	6.0	15.0	250	8.0	5.0	22090.0080

[1) statistical average value

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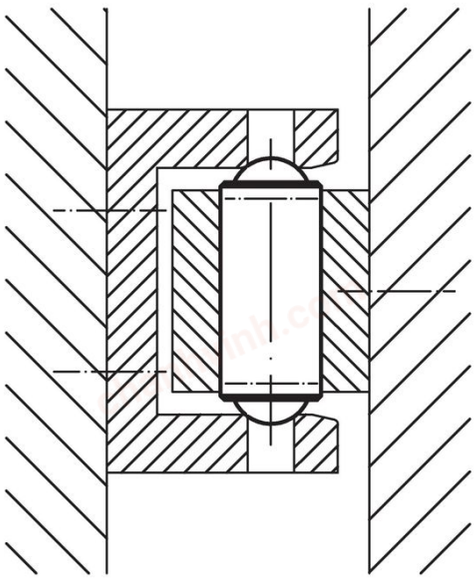
Application example

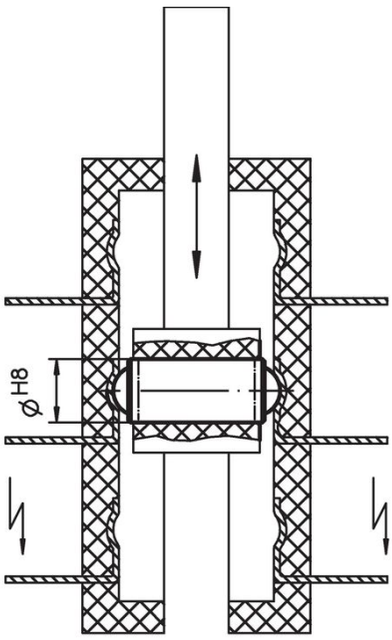
CALCULATION OF THE INDEXING RESISTANCE



Sample calculation for:
α = 60°, Fx = 1,732 x F
α = 90°, Fx = F
α = 120°, Fx = 0,577 x F

$$Fx = \frac{F}{\tan \frac{\alpha}{2}}$$





Compliance

For detailed compliance information please select the desired article number.