

# GN 614.8 Stainless Steel-Spring plungers

without thread, ball with friction bearing



3.1

3.2

3.3

3.4

3.5

3.6

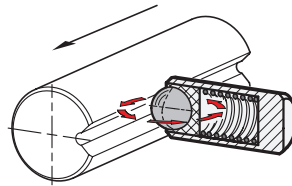
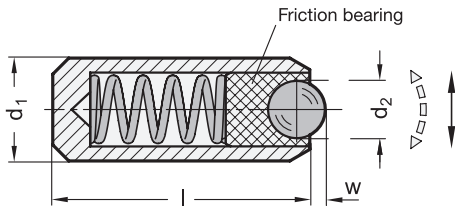
3.7

3.8

3.9



ROSTFREI  
Inox  
Stainless  
Steel



d <sub>1</sub> ±0,04	d <sub>2</sub>	l <sub>1</sub>	w compression	Spring load in N ≈	
				initial	end
4	2	11	0,5	4,8	6,8
5	2,5	13	0,7	6,3	10
6	3,5	15	0,95	16	24
8	4,5	18	1,5	18,8	31,7
10	6,5	20	2,3	26	49
12	8,5	22	3,1	38	68

## Specification

- Housing  
Stainless Steel AISI 303 **NI**
- Ball  
Stainless Steel AISI 420C, hardened
- Spring  
Stainless Steel AISI 631
- Friction bearing
  - Plastic
  - temperature resistant up to 90 °C
- ISO-Fundamental tolerances → Page 1479
- Stainless Steel characteristics → Page 1489
- RoHS compliant



## Information

GN 614.8 Stainless Steel-Spring plungers are used for locking as well as for pressure and hold-off functions.

The ball is mounted in a plastic shell so as to be freely movable, which enables rolling and therefor generally optimizes the locking characteristics. Above all, this reduces wear on the counter piece.

A further characteristic of these plungers is that the plastic bearing acts as an electrical insulator.

For the mounting hole, tolerance d<sub>1</sub> F8 is recommended for joined fitting and d<sub>1</sub> H9 for press fitting.

see also...

- Stainless Steel-Spring plungers GN 614.3 (Ball without friction bearing) → Page 725

How to order

GN614.8-8-NI

1 d<sub>1</sub>

2 Type

