

Spring Plungers

**Stainless Steel, without Thread,
Ball with Friction Bearing**

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

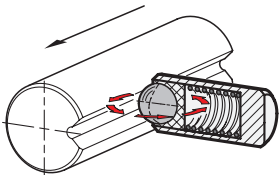
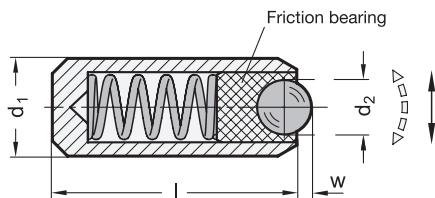


INFORMATION

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 d1 F8 is recommended for joined fitting and d1 H9 for press fitting.

TECHNICAL INFORMATION

- ISO-Fundamental Tolerances (see page A21)
- Stainless Steel characteristics (see page A26)



GN 614.8

STAINLESS STEEL

Description	d1 ±0.04	d2	l	w	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 614.8-4-NI	4	2	11	0.5	4.8	6.8	1
GN 614.8-5-NI	5	2.5	13	0.7	6.3	10	2
GN 614.8-6-NI	6	3.5	15	0.95	16	24	3
GN 614.8-8-NI	8	4.5	18	1.5	18.8	31.7	5
GN 614.8-10-NI	10	6.5	20	2.3	26	49	7
GN 614.8-12-NI	12	8.5	22	3.1	38	68	11