



SS Stainless Steel

Metric table

Dimensions in: millimeters - inches

d ₁ ±0.04	d ₂	Length l	w Compression	Spring load ≈	
				Initial	End
4 0.16	2 0.08	11 0.43	0.5 0.02	4.8 N 1.08 lbf	6.8 N 1.53 lbf
5 0.20	2.5 0.10	13 0.51	0.7 0.03	6.3 N 1.42 lbf	10 N 2.25 lbf
6 0.24	3.5 0.14	15 0.59	0.95 0.04	16 N 3.60 lbf	24 N 5.40 lbf
8 0.31	4.5 0.18	18 0.71	1.5 0.06	18.8 N 4.23 lbf	31.7 N 7.13 lbf
10 0.39	6.5 0.26	20 0.79	2.3 0.09	26 N 5.85 lbf	49 N 11.02 lbf
12 0.47	8.5 0.33	22 0.87	3.1 0.12	38 N 8.54 lbf	68 N 15.29 lbf

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 194 °F (90 °C)
- *Stainless Steel Characteristics* → page 2143
- **RoHS compliant**

Information

GN 614.8 ball plungers are used as detents as well as for push-on / push-off applications and ejectors. The ball is mounted in a plastic shell which allows it to move and roll freely in the assembled housing. This generally optimizes the locating characteristics and reduces wear on the mating piece. Another characteristic of these particular plungers is that the plastic friction bearing acts as an electrical insulator. A simple mounting hole is sufficient for mounting. The spring plungers are inserted into this hole and additionally secured with adhesive, if necessary.

see also...

- *Ball Plungers GN 614.3 (without Friction Bearing)* → page 1030

How to order GN 614.8-8-NI	1 Diameter d ₁
	2 Material

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

