



SS Stainless Steel

2 Form

- NI** Stainless steel, standard spring load
- NIL** Stainless steel, light spring load
- NIS** Stainless steel, high spring load

Metric table



Dimensions in: millimeters - inches

d ₁ +0.1	d ₂	d ₃	l ₁ ≈	l ₂ ≈	w Compression	Spring load ≈ Standard (Type NI)		Spring load ≈ Light (Type NIL)		Spring load ≈ High (Type NIS)		
						Initial	End	Initial	End	Initial	End	
3 0.12	-	2.4 0.09	3.5 0.14	4 0.16	0.6 0.02	0.7 0.03	1.8 N 0.40 lbf	3.5 N 0.79 lbf	-	-	-	-
4 0.16	4 0.16	3 0.12	4.6 0.18	5 0.20	0.9 0.04	1 0.04	2.5 N 0.56 lbf	6 N 1.35 lbf	0.4 N 0.09 lbf	1 N 0.22 lbf	5 N 1.12 lbf	10.4 N 2.34 lbf
5 0.20	5 0.20	4 0.16	5.6 0.22	6 0.24	0.9 0.04	1.4 0.06	3 N 0.67 lbf	6.5 N 1.46 lbf	0.5 N 0.11 lbf	4.7 N 1.06 lbf	6 N 1.35 lbf	12 N 2.70 lbf
6 0.24	6 0.24	5 0.20	6.5 0.26	7 0.28	1 0.04	1.8 0.07	5.5 N 1.24 lbf	11.5 N 2.59 lbf	2.3 N 0.52 lbf	6.5 N 1.46 lbf	7.3 N 1.64 lbf	19 N 4.27 lbf
8 0.31	8 0.31	6.5 0.26	8.5 0.33	9 0.35	1.1 0.04	2.4 0.09	7 N 1.57 lbf	12.5 N 2.81 lbf	4 N 0.90 lbf	9 N 2.02 lbf	11 N 2.47 lbf	25 N 5.62 lbf
10 0.39	10 0.39	8.5 0.33	11 0.43	13 0.51	1.5 0.06	3.3 0.13	8.5 N 1.91 lbf	18.5 N 4.16 lbf	3.9 N 0.88 lbf	10 N 2.25 lbf	17 N 3.82 lbf	37 N 8.32 lbf
12 0.47	12 0.47	10 0.39	13 0.51	16 0.63	2.3 0.09	4 0.16	12 N 2.70 lbf	26.5 N 5.96 lbf	6.2 N 1.39 lbf	14.6 N 3.28 lbf	30 N 6.74 lbf	54 N 12.14 lbf

Specification

- Housing
Stainless steel AISI 305
Sheet metal
- Ball
Stainless steel AISI 420C
Hardened
- Spring
Stainless steel AISI 631
- Identification of type NIL:
Housing with 1 longitudinal marking
- Identification of type NIS:
Housing with 2 longitudinal markings
- ISO Fundamental Tolerances → page QVX
- Stainless Steel Characteristics → page QVX
- RoHS compliant

Information

Short press-fit ball plungers GN 614 are used as detents as well as for push-on / push-off applications and ejectors.

A tolerance of H7 for the location hole of d₁ is recommended.

see also...

- Press-Fit Ball Plungers GN 614.2 (Brass) → page QVX
- Ball Plungers GN 614.3 (Stainless Steel) → page QVX

<p>How to order</p> <p>GN614-5-NI</p>	1	Diameter d ₁
	2	Type