



SS Stainless Steel

Metric table



Dimensions in: millimeters - inches

d ₁ +0.1			d ₂		d ₃		l ₁ ≈		l ₂ ≈		l ₃ ±0.1		w Compression			Spring load ≈			
NI / KU	KD	MS	NI / MS	KU / KD	NI	MS / KU / KD	NI / MS	KU / KD	NI	MS / KU / KD	NI	MS / KU / KD	NI	KU / KD	MS	NI / MS		KU / KD	
																Initial	End	Initial	End
3	-	3	2.4	2	3.5	3.6	4	4	0.6	0.6	0.7	0.55	0.6	1.8 N	3.5 N	1.7 N	3.6 N		
0.12		0.12	0.09	0.08	0.14	0.14	0.16	0.16	0.02	0.02	0.03	0.02	0.02	0.40 lbf	0.79 lbf	0.38 lbf	0.81 lbf		
4	4	4	3	3	4.6	4.6	5	5	0.9	1	1	0.8	0.8	2.5 N	6 N	3 N	6.5 N		
0.16	0.16	0.16	0.12	0.12	0.18	0.18	0.20	0.20	0.04	0.04	0.04	0.03	0.03	0.56 lbf	1.35 lbf	0.67 lbf	1.46 lbf		
5	5	5	4	4	5.6	5.6	6	6	0.9	1	1.4	1	1	3 N	6.5 N	4.5 N	9 N		
0.20	0.20	0.20	0.16	0.16	0.22	0.22	0.24	0.24	0.04	0.04	0.06	0.04	0.04	0.67 lbf	1.46 lbf	1.01 lbf	2.02 lbf		
6	6	6	5	5	6.5	6.5	7	7	1	1	1.8	1.6	1.6	5.5 N	11.5 N	6.5 N	13 N		
0.24	0.24	0.24	0.20	0.20	0.26	0.26	0.28	0.28	0.04	0.04	0.07	0.06	0.06	1.24 lbf	2.59 lbf	1.46 lbf	2.92 lbf		
8	8	8	6.5	6.5	8.5	8.5	9	9	1.1	1	2.4	1.9	1.9	7 N	12.5 N	8 N	18 N		
0.31	0.31	0.31	0.26	0.26	0.33	0.33	0.35	0.35	0.04	0.04	0.09	0.07	0.07	1.57 lbf	2.81 lbf	1.80 lbf	4.05 lbf		
10	10	-	8.5	8	11	11	13	13.5	1.5	1.5	3.3	2.4	-	8.5 N	18.5 N	12 N	23 N		
0.39	0.39		0.33	0.31	0.43	0.43	0.51	0.53	0.06	0.06	0.13	0.09		1.91 lbf	4.16 lbf	2.70 lbf	5.17 lbf		
12	12	-	10	10	13	13	16	16	2.3	1.5	4	3.3	-	12 N	26.5 N	14 N	25 N		
0.47	0.47		0.39	0.39	0.51	0.51	0.63	0.63	0.09	0.06	0.16	0.13		2.70 lbf	5.96 lbf	3.15 lbf	5.62 lbf		

Specification



- Housing
Stainless steel, sheet metal **NI**
European Standard No. 1.4303 (AISI 305)
Ball
Stainless steel, hardened
European Standard No. 1.3541 (AISI 420C)
- Housing
Brass, turned **MS**
Ball
Stainless steel, hardened
European Standard No. 1.3541 (AISI 420C)
- Housing
Delrin® Plastic (Polyacetal POM) **KU**
Temperature resistant up to 122 °F (50 °C)
Ball
Stainless steel, hardened
European Standard No. 1.3541 (AISI 420C)
- Housing / ball
Delrin® Plastic (Polyacetal POM) **KD**
Temperature resistant up to 122 °F (50 °C)
- Spring
Stainless steel
European Standard No. 1.4568 (AISI 631)
- RoHS compliant

Information

GN 614 short press-fit ball plungers 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.

Due to different production methods of the housings, the dimensions l₂ and l₃ are different.

see also...

- *Headless Unthreaded Ball Plungers GN 614.3 (Stainless Steel)*
- *Double Ended Press-Fit Ball Plungers GN 614.2 (Brass)*

How to order

GN 614-6-NI

1	Diameter d ₁
2	Material