



- 2** Type
- MS** Housing brass, ball stainless steel, standard spring load
  - KU** Housing plastic, ball stainless steel, standard spring load
  - KD** Housing plastic, ball plastic, standard spring load

**Metric table**

Dimensions in: millimeters - inches

<b>d<sub>1</sub> +0.1</b>			<b>d<sub>2</sub></b>		<b>d<sub>3</sub></b>	<b>l<sub>1</sub> ≈</b>		<b>l<sub>2</sub> ±0.1</b>	<b>w</b>		Spring load ≈			
KU	KD	MS	MS	KU / KD		MS	KU / KD		Compression		MS		KU / KD	
									KU / KD	MS	Initial	End	Initial	End
3	-	3	2.4	2	3.6	4	4	0.6	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	0.16	0.16	0.02	0.02	0.02	0.40 lbf	0.79 lbf	0.38 lbf	0.81 lbf
4	4	4	3	3	4.6	5	5	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	0.20	0.20	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	6	6	1	1	1	3 N	6.5 N	4.5 N	9 N
0.20	0.20	0.20	0.16	0.16	0.22	0.24	0.24	0.04	0.04	0.04	0.67 lbf	1.46 lbf	1.01 lbf	2.02 lbf
6	6	6	5	5	6.5	7	7	1	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	0.28	0.28	0.04	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	9	9	1	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	0.35	0.35	0.04	0.07	0.07	1.57 lbf	2.81 lbf	1.80 lbf	4.05 lbf
10	10	-	8.5	8	11	13	13.5	1.5	2.4	-	8.5 N	18.5 N	12 N	23 N
0.39	0.39		0.33	0.31	0.43	0.51	0.53	0.06	0.09		1.91 lbf	4.16 lbf	2.70 lbf	5.17 lbf
12	12	-	10	10	13	16	16	1.5	3.3	-	12 N	26.5 N	14 N	25 N
0.47	0.47		0.39	0.39	0.51	0.63	0.63	0.06	0.13		2.70 lbf	5.96 lbf	3.15 lbf	5.62 lbf

**Specification**

- Type MS
  - Housing  
Brass, turned
  - Ball  
Stainless steel AISI 420C  
Hardened
- Type KU
  - Housing  
Delrin® Plastic (Polyacetal POM)  
Temperature resistant up to 122 °F (50 °C)
  - Ball  
Stainless steel AISI 420C  
Hardened
- Type KD
  - Housing / Ball  
Delrin® Plastic (Polyacetal POM)  
Temperature resistant up to 122 °F (50 °C)
- Pressure spring  
Stainless steel AISI 631
- ISO Fundamental Tolerances → page QVX
- Plastic Characteristics → page QVX
- Stainless Steel Characteristics → page QVX
- 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 d<sub>1</sub> is recommended.

see also...

- Headless Unthreaded Ball Plungers GN 614.3 (Stainless Steel) → page 1030
- Double Ended Press-Fit Ball Plungers GN 614.2 (Brass) → page 1029

How to order <b>GN614-6-KU</b>	1	Diameter d <sub>1</sub>
	2	Type