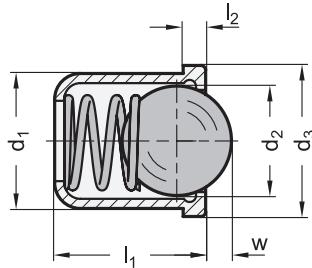




Metric

**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**

1			Dimensions in: millimeters - inches												
d <sub>1</sub> +0.1			d <sub>2</sub>		d <sub>3</sub>		l <sub>1</sub> ≈		l <sub>2</sub> ±0.1		w		Spring load ≈		
KU	KD	MS	MS	KU / KD	MS	KU / KD	MS	KU / KD	MS	MS	Initial	End	KU / KD	Initial	End
3 0.12	-	3 0.12	2.4 0.09	2 0.08	3.6 0.14	4 0.16	4 0.16	0.6 0.02	0.55 0.02	0.6 0.02	1.8 N 0.40 lbf	3.5 N 0.79 lbf	1.7 N 0.38 lbf	3.6 N 0.81 lbf	
4 0.16	4 0.16	4 0.16	3 0.12	3 0.12	4.6 0.18	5 0.20	5 0.20	1 0.04	0.8 0.03	0.8 0.03	2.5 N 0.56 lbf	6 N 1.35 lbf	3 N 0.67 lbf	6.5 N 1.46 lbf	
5 0.20	5 0.20	5 0.20	4 0.16	4 0.16	5.6 0.22	6 0.24	6 0.24	1 0.04	1 0.04	1 0.04	3 N 0.67 lbf	6.5 N 1.46 lbf	4.5 N 1.01 lbf	9 N 2.02 lbf	
6 0.24	6 0.24	6 0.24	5 0.20	5 0.20	6.5 0.26	7 0.28	7 0.28	1 0.04	1.6 0.06	1.6 0.06	5.5 N 1.24 lbf	11.5 N 2.59 lbf	6.5 N 1.46 lbf	13 N 2.92 lbf	
8 0.31	8 0.31	8 0.31	6.5 0.26	6.5 0.26	8.5 0.33	9 0.35	9 0.35	1 0.04	1.9 0.07	1.9 0.07	7 N 1.57 lbf	12.5 N 2.81 lbf	8 N 1.80 lbf	18 N 4.05 lbf	
10 0.39	10 0.39	-	8.5 0.33	8 0.31	11 0.43	13 0.51	13.5 0.53	1.5 0.06	2.4 0.09	-	8.5 N 1.91 lbf	18.5 N 4.16 lbf	12 N 2.70 lbf	23 N 5.17 lbf	
12 0.47	12 0.47	-	10 0.39	10 0.39	13 0.51	16 0.63	16 0.63	1.5 0.06	3.3 0.13	-	12 N 2.70 lbf	26.5 N 5.96 lbf	14 N 3.15 lbf	25 N 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  
**GN614-6-KU**

1	Diameter d <sub>1</sub>
2	Type