

SS Stainless Steel

3

Type

- H** Semi-spherical, steel
- HN** Semi-spherical, stainless steel
- HBN** Semi-spherical with collar, stainless steel
- K** Pointed nose, steel

Specification

- Housing
 - Type H / K
Steel, nickel plated
 - Type HN / HBN
Stainless steel AISI 305
- Spring
Stainless steel AISI 301
- RoHS compliant

Information

Spring loaded shells GN 610 are used for indexing and locking. A special feature is their large spring travel with a compact size.

A simple hole is sufficient for installation. Pre-tensioning and securing of the spring loaded shells must be ensured by the opposing stop piece.

Type HBN has a collar to prevent the spring-loaded shell from springing out the front. A simple stepped hole is sufficient for installation. The part is secured from the back side, such as with a plate or a threaded stud.

see also...

- *Short Press-Fit Ball Plungers GN 614 (with Ball) → page XYZ*
- *Ball Plungers GN 614.3 (with Ball) → page XYZ*
- *Press-Fit Spring Plungers GN 614.4 (with Nose Pin) → page YZ*

<p>How to order</p> <p>GN610-3.4-15-H</p>	<p>1 Diameter d</p> <p>2 Length l₀</p> <p>3 Type</p>
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Metric table

Dimensions in: millimeters - inches

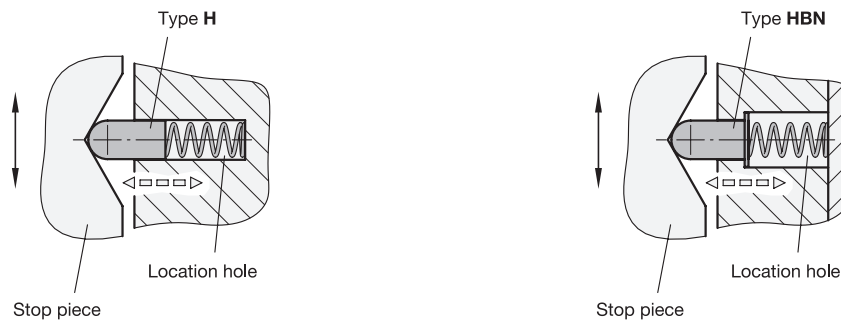
Type H									
$d_1 \pm 0.05$	l_0	h	l_1	l_2	F_1 Spring load \approx	F_2 Spring load \approx			
2.2 0.09	16 0.63	7.8 0.31	12 0.47	10.5 0.41	2.2 N 0.49 lbf	3 N 0.67 lbf			
2.6 0.10	8 0.31	3.8 0.15	6.5 0.26	5.2 0.20	1.1 N 0.25 lbf	2 N 0.45 lbf			
3 0.12	12 0.47	6 0.24	9 0.35	8.7 0.34	6.2 N 1.39 lbf	6.8 N 1.53 lbf			
3 0.12	16 0.63	8.5 0.33	13 0.51	10.7 0.42	4.8 N 1.08 lbf	8.4 N 1.89 lbf			
3.4 0.13	12 0.47	6 0.24	9 0.35	7.8 0.31	5 N 1.12 lbf	7 N 1.57 lbf			
3.4 0.13	15 0.59	7.3 0.29	12 0.47	8.2 0.32	5.9 N 1.33 lbf	13.3 N 2.99 lbf			
4 0.16	14 0.55	8 0.31	12 0.47	9 0.35	5 N 1.12 lbf	12.3 N 2.77 lbf			
5 0.20	16 0.63	8 0.31	13 0.51	10.4 0.41	8 N 1.80 lbf	15 N 3.37 lbf			

Type HN									
$d_1 \pm 0.05$	l_0	h	l_1	l_2	F_1 Spring load \approx	F_2 Spring load \approx			
3 0.12	16 0.63	8 0.31	13 0.51	10.6 0.42	4.8 N 1.08 lbf	8.6 N 1.93 lbf			
3.6 0.14	18 0.71	9 0.35	15 0.59	11.5 0.45	6.7 N 1.51 lbf	14.5 N 3.26 lbf			
4 0.16	16 0.63	7.5 0.30	13 0.51	11.4 0.45	8 N 1.80 lbf	12.3 N 2.77 lbf			

Type HBN									
$d_1 \pm 0.05$	l_0	d_2	h	l_1	l_2	s	F_1 Spring load \approx	F_2 Spring load \approx	
3 0.12	13 0.51	4.1 0.16	7 0.28	10 0.39	8.9 0.35	0.1 0.004	5.3 N 1.19 lbf	7.2 N 1.62 lbf	

Type K									
$d_1 \pm 0.05$	l_0	h	l_1	l_2	F_1 Spring load \approx	F_2 Spring load \approx			
2.2 0.09	16 0.63	7.8 0.31	12 0.47	10.5 0.41	2.2 N 0.49 lbf	3 N 0.67 lbf			
3 0.12	11 0.43	5 0.20	9 0.35	6.7 0.26	1.6 N 0.36 lbf	3.4 N 0.76 lbf			
3 0.12	16 0.63	8.5 0.33	13 0.51	10.7 0.42	4.8 N 1.08 lbf	8.4 N 1.89 lbf			

Application examples



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3.2
3.3
3.4
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