

Spring Loaded Shells

SPECIFICATION

Types

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

Housing

- Type H / K: Steel, nickel plated
- Type HN / HBN: Stainless steel AISI 305

Pressure spring

Stainless steel AISI 301



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.

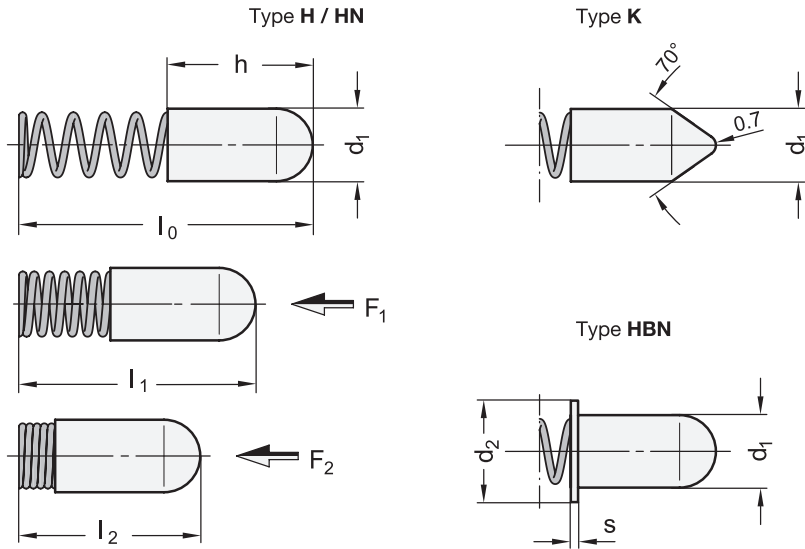
Type HBN has a collar to prevent the spring-loaded shell from springing out the front. A simple stepped hole is sufficient for installation. The part is secured from the back side, such as with a plate or a threaded stud.

TECHNICAL INFORMATION

- Stainless Steel Characteristics (see page A26)

Application Examples





GN 610-H

Description	d ±0.05	l ₀	h	l ₁	l ₂	F ₁ Spring load in N ≈	F ₂ Spring load in N ≈	⚖️
GN 610-2,2-16-H	2.2	16	7.8	12	10.5	2.2	2	1
GN 610-2,6-8-H	2.6	8	3.8	6.5	5.2	1.1	2	1
GN 610-3-12-H	3	12	6	9	8.7	6.2	6.8	1
GN 610-3-16-H	3	16	8.5	13	10.7	4.8	8.4	1
GN 610-3,4-12-H	3.4	12	6	9	7.8	5	7	1
GN 610-3,4-15-H	3.4	15	7.3	12	8.2	5.9	13.3	1
GN 610-4-14-H	4	14	8	12	9	5	12.3	1
GN 610-5-16-H	5	16	8	13	10.4	8	15	1

GN 610-HN

STAINLESS STEEL

Description	d ±0.05	l ₀	h	l ₁	l ₂	F ₁ Spring load in N ≈	F ₂ Spring load in N ≈	⚖️
GN 610-3-16-HN	3	16	8	13	10.6	4.8	8.6	1
GN 610-3,6-18-HN	3.6	18	9	15	11.5	6.7	14.5	6
GN 610-4-16-HN	4	16	7.5	13	11.4	8	12.3	1

GN 610-HBN

STAINLESS STEEL

Description	d ±0.05	l ₀	d ₂	h	l ₁	l ₂	s	F ₁ Spring load in N ≈	F ₂ Spring load in N ≈	⚖️
GN 610-3-13-HBN	3	13	4.1	7	10	8.9	0.1	5.3	7.2	1

GN 610-K

Description	d ±0.05	l ₀	h	l ₁	l ₂	F ₁ Spring load in N ≈	F ₂ Spring load in N ≈	⚖️
GN 610-2,2-16-K	2.2	16	7.8	12	10.5	2.2	3	1
GN 610-3-11-K	3	11	5	9	6.7	1.6	3.4	1
GN 610-3-16-K	3	16	8.5	13	10.7	4.8	8.4	3

