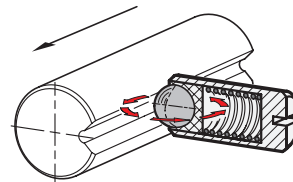


Application example



SS Stainless Steel

2 Type

- K** Steel, standard spring load
- KS** Steel, high spring load
- KN** Stainless steel, standard spring load
- KSN** Stainless steel, high spring load


Metric table



Dimensions in: millimeters - inches

d ₁ Thread	d ₂	Length l		w Compression	A/F	Spring load ≈ (Type K / KN)		Spring load ≈ (Type KS / KSN)	
		GN 615.8	GN 615.9			Initial	End	Initial	End
M 5	2 0.08	12 0.47	14 0.55	0.5 0.02	2.5	4.8 N 1.08 lbf	6.8 N 1.53 lbf	10 N 2.25 lbf	14 N 3.15 lbf
M 6	2.5 0.10	14 0.55	15 0.59	0.7 0.03	3	6.3 N 1.42 lbf	10 N 2.25 lbf	11 N 2.47 lbf	16 N 3.60 lbf
M 8	3.5 0.14	16 0.63	18 0.71	0.95 0.04	4	16 N 3.60 lbf	24 N 5.40 lbf	23 N 5.17 lbf	40 N 8.99 lbf
M 10	4.5 0.18	19 0.75	23 0.91	1.4 0.06	5	18.8 N 4.23 lbf	31.7 N 7.13 lbf	28 N 6.29 lbf	54.3 N 12.21 lbf
M 12	6.5 0.26	22 0.87	26 1.02	2.3 0.09	6	26 N 5.85 lbf	49 N 11.02 lbf	39.5 N 8.88 lbf	77.3 N 17.38 lbf
M 16	8.5 0.33	24 0.94	33 1.30	3.1 0.12	8	38 N 8.54 lbf	68 N 15.29 lbf	50 N 11.24 lbf	88.7 N 19.94 lbf

Specification

- Type K / KS
 - Housing
Steel, blackened finish
 - Ball
Steel, hardened
- Type KN / KSN
 - Housing
Stainless steel AISI 303
 - Ball
Stainless steel AISI 420C
Hardened
- Spring
Stainless steel AISI 631
- Friction bearing
Plastic
Temperature resistant up to 194 °F (90 °C)
- Identification of Type KS / KSN:  Housing with 2 longitudinal markings
- *Stainless Steel Characteristics* → page 2143
- **RoHS compliant**

Information

GN 615.8 and GN 615.9 ball plungers are used as locating devices, detent pins, pressure pins and ejectors. A typical example is push-on / push-off applications.

Ball plungers mounted in various control levers are also perfect solutions for snap-indexing mechanism applications.

The ball is mounted in a plastic shell which allows it to move and roll freely in the assembled housing. This generally optimizes the locating characteristics and reduces wear on the mating piece.

Another characteristic of these particular plungers is that the plastic friction bearing acts as an electrical insulator.

The hex socket end makes the GN 615.9 ball plungers slightly longer than the GN 615 ball plunger with slot. In all other aspects they are identical.

see also...

- *Ball Plungers GN 615 (without Friction Bearing)* → page 1016

How to order (With slot)	1 Thread d ₁
GN615.8-M8-K	2 Type

How to order (With internal hex)	1 Thread d ₁
GN615.9-M6-KN	2 Type

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10