



SS Stainless Steel

2 Type

- SN** Stainless steel nose pin, standard spring load
- KN** Plastic nose pin, standard spring load

Metric table



Dimensions in: millimeters - inches

d ₁		d ₂	Length l +0.2	w	Spring load ≈ (Type SN / KN)		Part number screwdriver
Type SN	Type KN				Initial	End	
M 3	-	1 0.04	12 0.47	1 0.04	2 N 0.45 lbf	4 N 0.90 lbf	GN 611.5-M3
M 4	M 4	1.5 0.06	15 0.59	1.5 0.06	4.5 N 1.01 lbf	16 N 3.60 lbf	GN 611.5-M4
M 5	M 5	2.4 0.09	18 0.71	2.3 0.09	6 N 1.35 lbf	19 N 4.27 lbf	GN 611.5-M5
M 6	M 6	2.7 0.11	20 0.79	2.5 0.10	6 N 1.35 lbf	19 N 4.27 lbf	GN 611.5-M6
M 8	M 8	3.5 0.14	22 0.87	3 0.12	10 N 2.25 lbf	39 N 8.77 lbf	GN 611.5-M8
M 10	M 10	4 0.16	22 0.87	3 0.12	10 N 2.25 lbf	39 N 8.77 lbf	GN 611.5-M10
M 12	M 12	6 0.24	28 1.10	4 0.16	12 N 2.70 lbf	53 N 11.91 lbf	GN 611.5-M12
M 16	M 16	7.5 0.30	32 1.26	5 0.20	45 N 10.12 lbf	100 N 22.48 lbf	GN 611.5-M16
M 20	-	10 0.39	40 1.57	7 0.28	52 N 11.69 lbf	125 N 28.10 lbf	GN 611.5-M20

Specification

- Housing
Stainless steel AISI 303
- Type SN
Nose pin
Stainless steel AISI 303
Nitrided (black color)
- Type KN
Nose pin
Delrin® Plastic (Polyacetal POM)
Temperature resistant up to 122 °F (50 °C)
- Spring
Stainless steel AISI 631
- Stainless Steel Characteristics → page 2143
- RoHS compliant

On request

- With PFB / MVK thread locking → page 2151

Information

GN 616 spring plungers are used as locating devices, detent pins, pressure pins and ejectors. A typical example is push-on / push-off applications.

The slot on the nose pin side is provided for blind hole applications. A special GN 611.5 screwdriver is available (see table).

see also...

- Spring Plungers GN 615.4 (with Nose Pin, with Internal Hex) → page 1035
- Spring Plungers GN 615.1 (with Nose Pin, with Slot) → page 1034

Accessory

- Screwdriver GN 611.5
(Part number, see table)

How to order GN 616-M12-KN	1 Thread d ₁
	2 Type