


2 Type

- S** Steel nose pin, standard spring load
- SS** Steel nose pin, high spring load
- K** Plastic nose pin, standard spring load


Metric table

1

Dimensions in: millimeters - inches

d ₁			d ₂	Length l +0.2	w Compression	Spring load ≈ (Type S / K)		Spring load ≈ (Type SS)		Part number screwdriver 
Type S	Type SS	Type K				Initial	End	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	M 5	2.4 0.09	18 0.71	2.3 0.09	6 N 1.35 lbf	19 N 4.27 lbf	11 N 2.47 lbf	40 N 8.99 lbf	GN 611.5-M5
M 6	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	15 N 3.37 lbf	43 N 9.67 lbf	GN 611.5-M6
M 8	M 8	M 8	3.5 0.14	22 0.87	3 0.12	10 N 2.25 lbf	39 N 8.77 lbf	20 N 4.50 lbf	75 N 16.86 lbf	GN 611.5-M8
M 10	M 10	M 10	4 0.16	22 0.87	3 0.12	10 N 2.25 lbf	39 N 8.77 lbf	20 N 4.50 lbf	75 N 16.86 lbf	GN 611.5-M10
M 12	M 12	M 12	6 0.24	28 1.10	4 0.16	12 N 2.70 lbf	53 N 11.91 lbf	45 N 10.12 lbf	120 N 26.98 lbf	GN 611.5-M12
M 16	M 16	M 16	7.5 0.30	32 1.26	5 0.20	45 N 10.12 lbf	100 N 22.48 lbf	64 N 14.39 lbf	160 N 35.97 lbf	GN 611.5-M16
M 20	M 20	-	10 0.39	40 1.57	7 0.28	52 N 11.69 lbf	125 N 28.10 lbf	75 N 16.86 lbf	195 N 43.84 lbf	GN 611.5-M20
M 24	M 24	-	12 0.47	52 2.05	10 0.39	70 N 15.74 lbf	170 N 38.22 lbf	75 N 16.86 lbf	245 N 55.08 lbf	GN 611.5-M24

Specification

- Housing
Steel, blackened finish
- Type S / SS
Nose pin
Steel, hardened
- Type K
Nose pin
Delrin® Plastic (Polyacetal POM)
Temperature resistant up to 122 °F (50 °C)
- Spring
Stainless steel AISI 631
- Identification of Type SS:
Housing with 2 longitudinal markings 
- 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-M8-K

1	Thread d ₁
2	Type