

GN 616.1

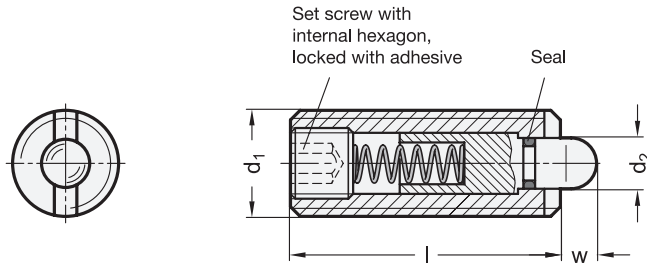
Steel / Stainless Steel

Spring Plungers

Nose Pin with Sealing Ring



JW WINCO
A Ganter Company



SS Stainless Steel


2 Type

- S** Steel, standard spring load
- SS** Steel, high spring load
- SN** Stainless steel, standard spring load

Metric table



Dimensions in: millimeters - inches

d ₁ Thread	d ₂	Length l	w Compression	Spring load ≈ (Type S / SN)		Spring load ≈ (Type SS)		Part number screwdriver 
				Initial	End	Initial	End	
M 8	3.8 0.15	26 1.02	3 0.12	9 N 2.02 lbf	24 N 5.40 lbf	17 N 3.82 lbf	39 N 8.77 lbf	GN 611.5-M10
M 10	4 0.16	28 1.10	3.5 0.14	15 N 3.37 lbf	30 N 6.74 lbf	22 N 4.95 lbf	43 N 9.67 lbf	GN 611.5-M10
M 12	6 0.24	35 1.38	4 0.16	24 N 5.40 lbf	50 N 11.24 lbf	40 N 8.99 lbf	80 N 17.98 lbf	GN 611.5-M12
M 16	7.5 0.30	40 1.57	5 0.20	36 N 8.09 lbf	58 N 13.04 lbf	44 N 9.89 lbf	113 N 25.40 lbf	GN 611.5-M16

Specification

- Type S / SS
 - Housing
Steel, blackened finish
 - Nose pin
Steel, hardened
- Type SN
 - Housing
Stainless steel AISI 303
 - Nose pin
Stainless steel AISI 303
- Spring
Stainless steel AISI 303
- Seal
Rubber NBR (Perbunan®)

• Identification of Type SS:
Housing with 2 longitudinal markings



- [Elastomer Characteristics](#) → page 2135
- [Stainless Steel Characteristics](#) → page 2143
- [RoHS compliant](#)

Accessory

- Screwdriver GN 611.5
(Part number, see table)

Information

GN 616.1 spring plungers are used as locating devices, detent pins, pressure pins and ejectors. A typical example is push-on / push-off applications. Entry of liquids and dirt is prevented by the seal.

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 616 \(Nose Pin without Sealing Ring\)](#) → page 1037

How to order (Steel)	1 Thread d ₁
GN 616.1-M10-S	2 Type
How to order (Stainless steel)	1 Thread d ₁
GN 616.1-M8-SN	2 Type