

Metric



**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 <sub>1</sub>	d <sub>2</sub>	Length l	w Compression	Spring load ≈				Part number installation tool 
				Standard (Type S / SN)		High (Type SS)		
				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

**Sealing ring**

Rubber NBR (Perbunan®)

**Identification of Type SS**

Housing with 2 longitudinal markings

RoHS

Spring plungers GN 616.1 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 installation tool GN 611.5 is available (see table).

**see also...**

**GN 616** Spring Plungers (Nose Pin without Sealing Ring) **Page**  
QVX

**Technical Information**

Plastic Characteristics QVX

Stainless Steel Characteristics QVX

**Accessory**

**GN 611.5** Installation Tools (Part no. See Table) QVX

**How to order (Steel)**

**GN616.1-M10-S**

- 1 Thread d<sub>1</sub>
- 2 Type

**How to order (Stainless steel)**

**GN616.1-M8-SN**

- 1 Thread d<sub>1</sub>
- 2 Type

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10

