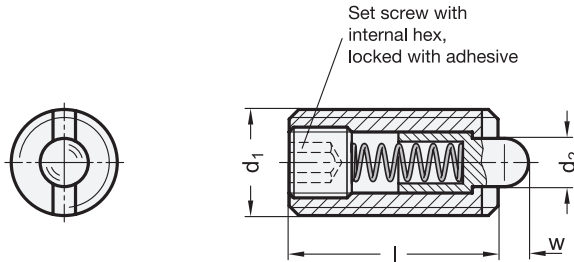


Metric



**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



Dimensions in: millimeters / inches

d <sub>1</sub>			d <sub>2</sub>	Length l +0.2	w Com- pression	Spring load ≈				Part number installation tool 
Type S	Type SS	Type K				Standard (Type S / K)		High (Type SS)		
						Initial	End	Initial	End	
M 3	-	-	1 0.04	12 0.472	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 0.591	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 0.709	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 0.787	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 0.866	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 0.866	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 1.102	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 1.260	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 1.575	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 2.047	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

**Type S / SS**

- Steel housing, blackened finish
- Steel nose pin, hardened
- Operating temperature up to 482 °F (250 °C)

**Type K**

- Steel housing, blackened finish
- Plastic nose pin, polyacetal (POM)
- Operating temperature  
-22 °F to 122 °F (-30 °C to +50 °C)

**Spring**

Stainless steel AISI 631

**Identification of Type SS**

Housing with 2 longitudinal markings

RoHS

**On request**

With PFB / MVK thread locking

Spring plungers GN 616 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 installation tool GN 611.5 is available (see table).

see also...

	Page
GN 615.4 Spring Plungers (with Nose Pin, with Internal Hex)	QVX
GN 615.1 Spring Plungers (with Nose Pin, with Slot)	QVX

**Technical Information**

PFB / PRB Thread Locking	QVX
MVK Thread Locking	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

**Accessory**

GN 611.5 Installation Tools (Part no. See Table)	QVX
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How to order

GN 616-M8-K

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