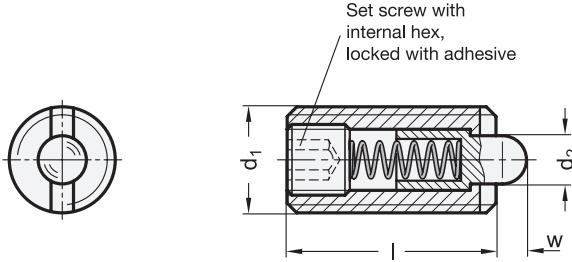


**Metric**



**SS** Stainless Steel


**2 Type**

- SN** Stainless steel nose pin, standard spring load
- SSN** Stainless steel nose pin, high spring load
- KN** Plastic nose pin, standard spring load
- KSN** Plastic nose pin, high 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 SN	Type KN	Type SSN Type KSN				Standard (Type SN / KN)		Standard (Type SSN / KSN)		
						Initial	End	Initial	End	
M 3	-	-	1 0.04	12 0.472	1 0.04	2.5 N 0.56 lbf	3 N 0.67 lbf	-	-	GN 611.5-M3
M 4	M 4	-	1.5 0.06	15 0.591	1.5 0.06	4 N 0.90 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	20 N 4.50 lbf	15 N 3.37 lbf	44 N 9.89 lbf	GN 611.5-M5
M 6	M 6	M 6	2.7 0.11	20 0.787	2.5 0.10	7 N 1.57 lbf	22 N 4.95 lbf	20 N 4.50 lbf	48 N 10.79 lbf	GN 611.5-M6
M 8	M 8	M 8	3.5 0.14	22 0.866	3 0.12	8 N 1.80 lbf	38 N 8.54 lbf	26 N 5.85 lbf	70 N 15.74 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	38 N 8.54 lbf	26 N 5.85 lbf	70 N 15.74 lbf	GN 611.5-M10
M 12	M 12	M 12	6 0.24	28 1.102	4 0.16	10 N 2.25 lbf	54 N 12.14 lbf	51 N 11.47 lbf	122 N 27.43 lbf	GN 611.5-M12
M 16	M 16	M 16	7.5 0.30	32 1.260	5 0.20	38 N 8.54 lbf	100 N 22.48 lbf	72 N 16.19 lbf	164 N 36.87 lbf	GN 611.5-M16
M 20	M 20	M 20	10 0.39	40 1.575	7 0.28	58 N 13.04 lbf	140 N 31.47 lbf	88 N 19.78 lbf	206 N 46.31 lbf	GN 611.5-M20
M 24	M 24	M 24	12 0.47	52 2.047	10 0.39	80 N 17.98 lbf	180 N 40.47 lbf	94 N 21.13 lbf	250 N 56.20 lbf	GN 611.5-M24

**Specification**

**Type SN / SSN**

- Stainless steel housing AISI 303
- Stainless steel nose pin AISI 303, nitrided
- Operating temperature up to 482 °F (250 °C)

**Type KN / KSN**

- Stainless steel housing AISI 303
- 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 SSN / KSN**

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...**

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

**Technical Information**

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

**Accessory**

<b>GN 611.5</b> Installation Tools (Part no. See Table)	QVX
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**How to order**

**GN616-M12-KN**

**1** d<sub>1</sub>

**2** Type