



SS Stainless Steel

2 Type

- A** With knob, without lock nut
- AK** With knob, with lock nut
- D** Without knob, without lock nut
- DK** Without knob, with lock nut

3 Identification no.

- 1** Pin without internal thread
- 2** Pin with internal thread

Metric table

Dimensions in: millimeters - inches

d ₁ Pin -0.02 +0.05 Bore H7	d ₂ External thread	d ₃ Internal thread	d ₄	l ₁	l ₂	l ₃ ≈	l ₄ ≈	t min.	Spring load ≈		Stainless steel		Part number installation tool
									Steel Initial	End	Initial	End	
5 0.20	M 10 x 1	M 3	16 0.63	6 0.24	22 0.87	42 1.65	29 1.14	7 0.28	8 N 1.80 lbf	20 N 4.50 lbf	7 N 1.57 lbf	18 N 4.05 lbf	GN 613.1-5
6 0.24	M 12 x 1.5	M 4	19 0.75	7 0.28	26 1.02	49 1.93	35 1.38	7 0.28	9 N 2.02 lbf	28 N 6.29 lbf	8 N 1.80 lbf	21 N 4.72 lbf	GN 613.1-6
8 0.31	M 16 x 1.5	M 5	23 0.91	9 0.35	34 1.34	65 2.56	48 1.89	9 0.35	12 N 2.70 lbf	40 N 8.99 lbf	11 N 2.47 lbf	32 N 7.19 lbf	GN 613.1-8
10 0.39	M 20 x 1.5	M 6	28 1.10	11 0.43	43 1.69	78 3.07	57 2.24	12 0.47	22 N 4.95 lbf	50 N 11.24 lbf	18 N 4.05 lbf	43 N 9.67 lbf	GN 613.1-10

Specification

- Threaded body
 - Steel, blackened finish **ST**
 - Stainless steel AISI 303 **NI**
- Plunger pin
 - Stainless steel AISI 303
 - Chemically nickel plated
- Knob
 - Plastic
 - Technopolymer (Polyamide PA)
 - Temperature resistant up to 230 °F (110 °C)
 - Black, matte finish
 - Not removable
- Lock nut DIN 439 B / ISO 8675
 - Steel, blackened finish
 - Stainless steel AISI 301
- Load Rating Information → page 2103
- ISO Fundamental Tolerances → page 2129
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

Information

The plunger pin of the GN 313 spring bolts does not protrude in the inoperative position. It can be operated manually, or in the case of Type D and DK, mechanically (pneumatic cylinder, cam plate, etc.), where it will protrude only as long as it is in operation. An application example for the identification no. 2 would be using the internal thread on the pressure side, for operation of special pressure bolts or a rod arrangement. GN 613.1 installation tools, available as accessory, reduce the installation time and make it easier to counter hold the plunger during the assembly. The tool is inserted laterally between the knob and the threaded body and engages in the slot provided.

see also...

- List of Indexing Plunger Types → page 915
- Spring Loaded Positioning Elements GN 513 → page 1048

Accessory

- Installation tools GN 613.1 → page 928 (Part number, see table)

How to order	
1	Pin diameter d ₁
2	Type
3	Identification no.
4	Material

GN313-8-AK-1-ST

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10