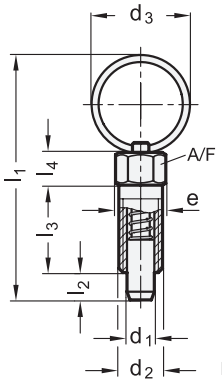
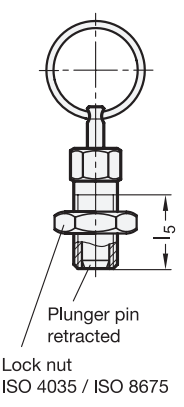
Indexing Plungers

Steel / Stainless Steel, Non Lock-Out, with Pull Ring / with Wire Loop

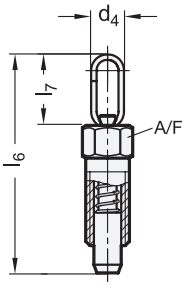
Type **A**



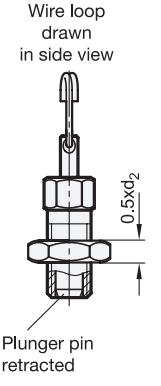
Type **AK**



Type **D**



Type **DK**



Inch | Metric

SS Stainless Steel

3 Type

A With pull ring, without lock nut
AK With pull ring, with lock nut
D With wire loop, without lock nut
DK With wire loop, with lock nut

Specification

4

Guide
- Steel **ST**
  Zinc plated, blue passivated finsih
- Stainless steel AISI 303 **NI**

Plunger pin
Stainless steel AISI 303

Lifting ring / Wire loop
Stainless steel AISI 301

Pressure spring
Stainless steel AISI 301

Lock nut ISO 4035 / ISO 8675
Steel, blackened finish for ST
Stainless steel for NI

RoHS

Indexing plungers GN 717 are characterized by small dimensions. These indexing plungers are universally applicable due to their prevention of misalignments and positioning errors of the mating indexing bores.
Type A with pulling ring can be activated by finger in inaccessible places. If the indexing plungers are to be installed in areas which are not accessible by hand, type D with a pulling loop can be used for actuation from a distance. For example, this is possible with a retaining cable GN 111.2.
During assembly, the max. tightening torques shown in the table should not be exceeded when securing the lock nut.

Technical Information	Page
List of Indexing Plunger Types	QVX
Load Rating Information	QVX
Metric ISO Threads DIN 13	QVX
Metric ISO Fine Threads DIN 13	QVX
Stainless Steel Characteristics	QVX

Accessory

GN 909 Thin Hex Nuts	QVX
GN 412.3 Locating Bushings with Tapered Flange	QVX
GN 412.1 Mounting Blocks (Zinc Die-Cast)	QVX

How to order

1 2 3 4
GN 717-6-1/2X13-D-ST

1	Pin diameter d_1
2	Thread d_2
3	Type
4	Material

⚠ **WARNING**: Cancer and Reproductive Harm — www.P65Warnings.ca.gov

Inch table

Dimensions in: inches / millimeters

1	2													
d_1 Pin −0.002 Guide $^{+0.001}_{+0.003}$	d_2	d_3	d_4	e	l_1	l_2	l_3	l_4	l_5 min.	l_6	l_7	A/F	Max. tightening torque in Nm	Spring load ≈ Initial	Spring load ≈ End
0.197 5	3/8 x 16	0.71 18	0.28 7.2	0.45 11.5	1.77 45	0.20 5	0.63 16	0.24 6	0.53 13.5	1.67 42.5	0.61 15.5	0.39 10	22	1.12 lbf 5 N	5.40 lbf 24 N
0.236 6	1/2 x 13	0.94 24	0.37 9.5	0.54 13.8	2.25 57.1	0.24 6	0.79 20	0.30 7.5	0.65 16.5	2.14 54.4	0.82 20.9	0.47 12	38	1.12 lbf 5 N	4.72 lbf 21 N
0.315 8	5/8 x 11	1.18 30	0.46 11.8	0.77 19.6	2.80 71	0.31 8	0.94 24	0.35 9	0.81 20.5	2.63 66.9	1.02 25.9	0.67 17	80	1.35 lbf 6 N	4.95 lbf 22 N
0.394 10	5/8 x 11	1.18 30	0.46 11.8	0.77 19.6	2.94 74.8	0.39 10	1.02 26	0.35 9	0.89 22.5	2.79 70.9	1.02 25.9	0.67 17	80	0.90 lbf 4 N	6.07 lbf 27 N

Metric table

Dimensions in: millimeters / inches

1	2													
d_1 Pin −0.05 Guide $^{+0.03}_{+0.08}$	d_2	d_3	d_4	e	l_1	l_2	l_3	l_4	l_5 min.	l_6	l_7	A/F	Max. tightening torque in Nm	Spring load ≈ Initial	Spring load ≈ End
3 0.118	M 6	14 0.55	6 0.24	6.9 0.27	33.5 1.32	3.5 0.14	12 0.47	4.5 0.18	10 0.39	32.9 1.30	12.9 0.51	6 0.24	2	3 N 0.67 lbf	12 N 2.70 lbf
3 0.118	M 6 x 0.75	14 0.55	6 0.24	6.9 0.27	33.5 1.32	3.5 0.14	12 0.47	4.5 0.18	10 0.39	32.9 1.30	12.9 0.51	6 0.24	3	3 N 0.67 lbf	12 N 2.70 lbf
4 0.157	M 6	14 0.55	6 0.24	6.9 0.27	33.5 1.32	4 0.16	12 0.47	4.5 0.18	10 0.39	33.4 1.31	12.9 0.51	6 0.24	2	3 N 0.67 lbf	12 N 2.70 lbf
4 0.157	M 8 x 1	14 0.55	6 0.24	9.2 0.36	40.4 1.59	4.5 0.18	16 0.63	6 0.24	13.5 0.53	42 1.65	15.5 0.61	8 0.31	8	5 N 1.12 lbf	24 N 5.40 lbf
5 0.197	M 8	18 0.71	7.2 0.28	9.2 0.36	45 1.77	5 0.20	16 0.63	6 0.24	13.5 0.53	42.5 1.67	15.5 0.61	8 0.31	7	5 N 1.12 lbf	24 N 5.40 lbf
5 0.197	M 8 x 1	18 0.71	7.2 0.28	9.2 0.36	45 1.77	5 0.20	16 0.63	6 0.24	13.5 0.53	42.5 1.67	15.5 0.61	8 0.31	7	5 N 1.12 lbf	24 N 5.40 lbf
5 0.197	M 10 x 1	18 0.71	7.2 0.28	11.5 0.45	45 1.77	5 0.20	16 0.63	6 0.24	13.5 0.53	42.5 1.67	15.5 0.61	10 0.39	22	5 N 1.12 lbf	24 N 5.40 lbf
6 0.236	M 10	24 0.94	9.5 0.37	11.5 0.45	57.1 2.25	6 0.24	20 0.79	7.5 0.30	17 0.67	54.4 2.14	20.9 0.82	10 0.39	15	5 N 1.12 lbf	21 N 4.72 lbf
6 0.236	M 12 x 1.5	24 0.94	9.5 0.37	13.8 0.54	57.1 2.25	6 0.24	20 0.79	7.5 0.30	16.5 0.65	54.4 2.14	20.9 0.82	12 0.47	38	5 N 1.12 lbf	21 N 4.72 lbf
8 0.315	M 12	30 1.18	11.8 0.46	13.8 0.54	71 2.80	8 0.31	24 0.94	9 0.35	20.5 0.81	66.9 2.63	25.9 1.02	12 0.47	20	6 N 1.35 lbf	22 N 4.95 lbf
8 0.315	M 12 x 1.5	30 1.18	11.8 0.46	13.8 0.54	71 2.80	8 0.31	24 0.94	9 0.35	20.5 0.81	66.9 2.63	25.9 1.02	12 0.47	20	6 N 1.35 lbf	22 N 4.95 lbf
8 0.315	M 16 x 1.5	30 1.18	11.8 0.46	19.6 0.77	71 2.80	8 0.31	24 0.94	9 0.35	20.5 0.81	66.9 2.63	25.9 1.02	17 0.67	80	6 N 1.35 lbf	22 N 4.95 lbf
10 0.394	M 16 x 1.5	30 1.18	11.8 0.46	19.6 0.77	74.8 2.94	10 0.39	26 1.02	9 0.35	22.5 0.89	70.9 2.79	25.9 1.02	17 0.67	80	4 N 0.90 lbf	27 N 6.07 lbf

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