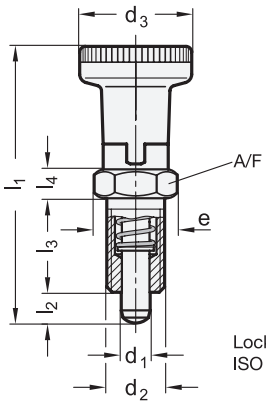
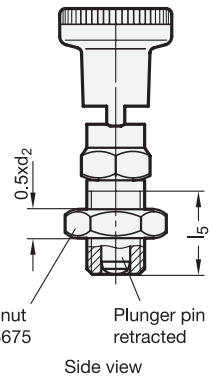
Indexing Plungers

Steel / Stainless Steel, with Rest Position

Type **A**

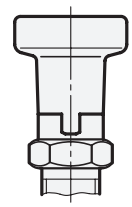


Type **AK**



Side view

Type **AN** / **AKN**



STAIN LESS *

2	Type
A	With plastic knob, without lock nut
AK	With plastic knob, with lock nut
AN	With stainless steel knob, without lock nut
AKN	With stainless steel knob, with lock nut

1

d_1 Plunger $^{-0,02}_{-0,05}$ Guide H7	d_2	d_3	e	l_1 ≈	l_2	l_3	l_4	l_5 min.	A/F	Spring load in N ≈ Steel Initial	Steel End	Stainless steel Initial	Stainless steel End
5	M 10 x 1	21	13,8	51	5	17	5	15	12	7	17	6	15
6	M 12 x 1,5	25	16,2	61	6	20	6	17	14	9	24	8	21
8	M 16 x 1,5	31	21,9	75,5	7	26	8	23	19	11	30	9	26
10	M 20 x 1,5	31	25,4	91	10	33	10	30	22	19	45	17	40

Specification

3

Guide / Plunger pin
- Steel —
  - Blackened
  - Plunger pin, tip hardened
  - only type A / AK
- Stainless steel AISI 303 **NI**
  Plunger pin chemically nickel plated

Knob
- Plastic, polyamide (PA) for type A / AK
  Black, matte finish
- Stainless steel AISI 303 for type AN / AKN
- Not removable

Compression spring
Stainless steel AISI 301

Hex nut ISO 8675
- Steel, blackened
- Stainless steel for NI

RoHS

Indexing plungers GN 617.1 with rest position are used for such applications where the plunger has to stay in its retracted position. To achieve this, the knob is rotated by 90° degrees after being retracted. A notch keeps the plunger in this position.

Technical Information	Page
Overview of Indexing Plunger Types	QVX
Load Rating Information	QVX
Metric ISO fine thread DIN 13	QVX
ISO Fundamental Tolerances	QVX
Plastic Characteristics	QVX

Accessory

GN 909 | **GN 909.5** Thin Hex Nuts (Steel)	QVX
GN 412.1 Mounting Blocks (Zinc die casting)	QVX
GN 412.2 | **GN 412.4** Positioning Bushings (Steel)	QVX

How to order (Steel, with plastic knob

1 2

GN 617.1-6-A

1	d_1
2	Type

How to order (Stainless steel, with plastic knob)

1 2 3

GN 617.1-8-AK-NI

1	d_1
2	Type
3	Material

How to order (Stainless steel, with SST knob)

1 2 3

GN 617.1-8-AKN-NI

1	d_1
2	Type
3	Material