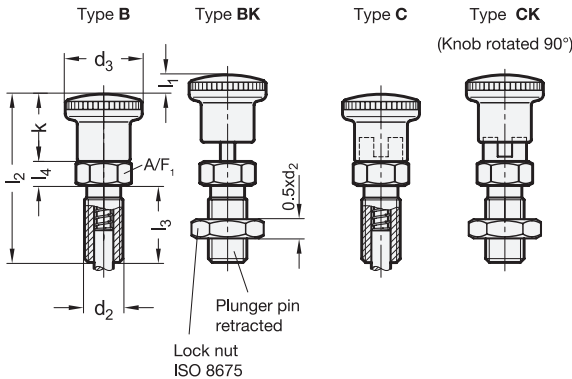




Metric



SS Stainless Steel

3 Type

- B** Non lock-out, without lock nut
- BK** Non lock-out, with lock nut
- C** Lock-out, without lock nut
- CK** Lock-out, with lock nut

4 Plunger pin type

- KA** Rounded tip, plastic-coated
- MA** Rounded tip, brass
- SB** Conical tip
- SC** Spherical tip
- SD** Flat tip
- SE** With external thread
- SF** With internal thread

Specification

Guide

- Steel, blackened finish
- Stainless steel AISI 303

ST
NI

Plunger pin

- Steel, blackened finish for ST
Tip hardened for types SB / SC / SD
- Stainless steel AISI 303,
chemically nickel plated for NI
- Coating for type KA
Plastic, polyphthalamide (PPA)
- Glass fiber reinforced
- Chemically bonded to the plunger pin
- White
- Brass for type MA

Knob

- Plastic, polyamide (PA)
- Black, matte finish

Spring

- Stainless steel AISI 301

Hex nut ISO 8675

- Steel, blackened finish for ST
- Stainless steel for NI

RoHS

Accessory

Page

DIN 172 Press-Fit Drill Bushings (with Flange) QVX

DIN 179 Press-Fit Drill Bushings (w/o Flange) QVX

GN 609.5 Spacer Bushings QVX

Indexing plungers GN 81700 lock height adjustments or swivel arms on devices, machines, and vehicles, for example.

The plunger pin types KA and MA have rounded tips of plastic or brass that reduce wear on the opposing surface and prevent marks or scratches. The conical plunger pin SB facilitates positioning in a corresponding receiving bore. The spherical tip of plunger pin type SC passes over low edges or grooves, facilitating proper latching and preventing damage. Due to the small chamfer, plunger pin type SD is particularly suited for shallow detent bores, e.g. in sheet metal parts.

Indexing plungers with plunger pin types SE or SF can be fitted with application-specific attachments using the external or internal thread and used, for example, to actuate linkages or cable pulls.

Regardless of the selected plunger pin type, indexing plungers GN 81700 are available with or without rest position. Indexing plungers with a rest position are used when the locking pin should not protrude at times.

Technical Information

Page

List of Indexing Plunger Types

QVX

Load Rating Information

QVX

ISO Fundamental Tolerances

QVX

Plastic Characteristics

QVX

Stainless Steel Characteristics

QVX

How to order

GN81700-10-12-BK-MA-NI

1 Diameter d_1

2 Length l_1

3 Type

4 Plunger pin type

5 Material

Metric table

1 d₁ Plunger -0.02 -0.05 Bore H7	2 l₁	d₂	d₃	d₄	d₅	k	l₂	l₃	l₄	l₅	A/F₁	A/F₂	t min.	Spring load ≈	
														Initial	End
5 0.197	8 0.31	M 10 x 1	19 0.75	M 3	M 3	16 0.63	40 1.57	18 0.71	6 0.24	4.5 0.18	12 0.47	4 0.16	6 0.24	5 N 1.12 lbf	18 N 4.05 lbf
6 0.236	9 0.35	M 12 x 1.5	23 0.91	M 4	M 4	20 0.79	48 1.89	22 0.87	6 0.24	6 0.24	47 1.85	5 0.20	8 0.31	6 N 1.35 lbf	25 N 5.62 lbf
8 0.315	12 0.47	M 16 x 1.5	28 1.10	M 5	M 5	20 0.79	58 2.28	26 1.02	8 0.31	7.5 0.30	17 0.67	7 0.28	10 0.39	8.5 N 1.91 lbf	28 N 6.29 lbf
10 0.394	12 0.47	M 16 x 1.5	28 1.10	M 6	M 6	24 0.94	58 2.28	26 1.02	8 0.31	9 0.35	17 0.67	8 0.31	12 0.47	9.5 N 2.14 lbf	38 N 8.54 lbf

Application Examples

