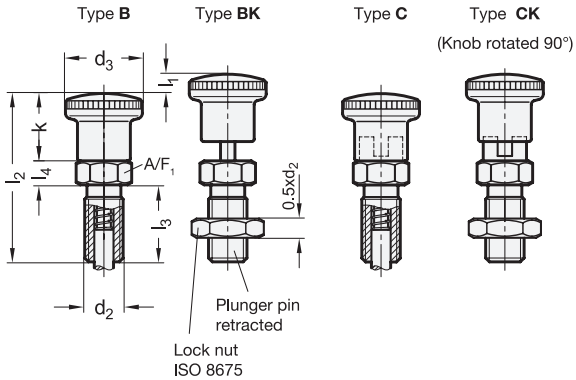
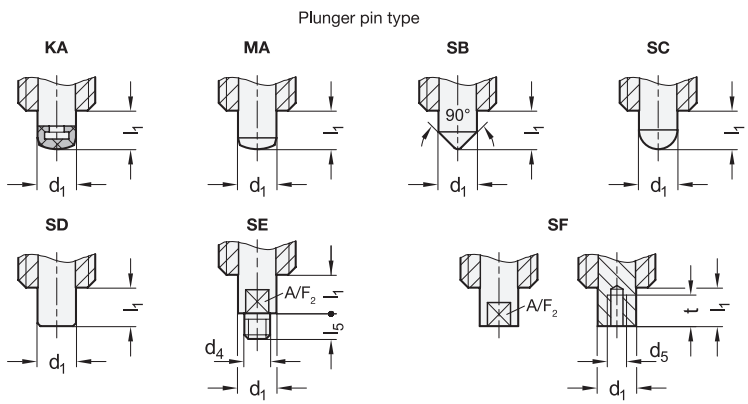




Metric

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 5

Guide
- Steel, blackened finish **ST**
- Stainless steel AISI 303 **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, Polyphtalamide (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

GN 81700-10-12-BK-MA-NI
(1 2 3 4 5)

1	**Diameter d_1**
2	**Length l_1**
3	**Type**
4	**Plunger pin type**
5	**Material**

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

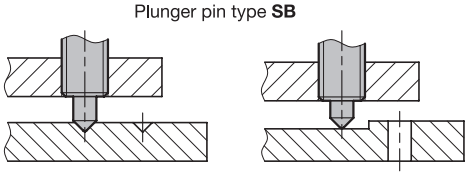
Metric table

Dimensions in: millimeters / inches

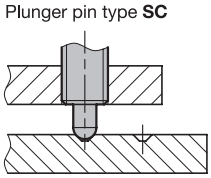
d_1 Plunger $^{-0.02}_{-0.05}$ Bore H7	l_1	d_2	d_3	d_4	d_5	k	l_2	l_3	l_4	l_5	A/F_1	A/F_2	t min.	Spring load ≈ Initial	Spring load ≈ End
5 0.197	8 0.31	M 10 x 1	19 0.75	M 3	M 3	16 0.63	40 1.57	18 0.71	6 0.24	4.5 0.18	12 0.47	4 0.16	6 0.24	5 N 1.12 lbf	18 N 4.05 lbf
6 0.236	9 0.35	M 12 x 1.5	23 0.91	M 4	M 4	20 0.79	48 1.89	22 0.87	6 0.24	6 0.24	14 0.55	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	24 0.94	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

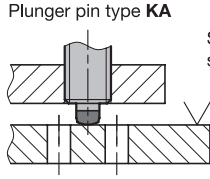
Plunger pin type **SB**



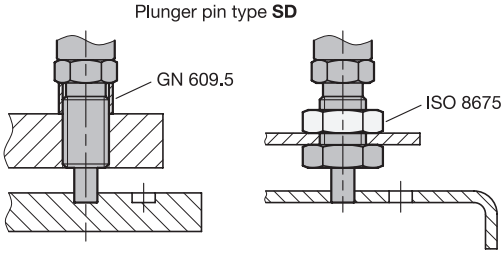
Plunger pin type **SC**



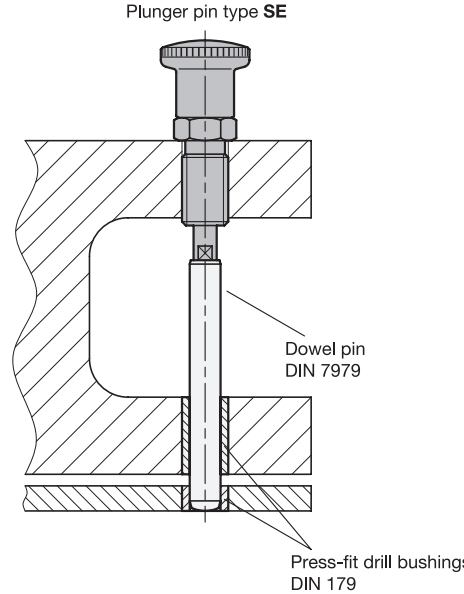
Plunger pin type **KA**



Plunger pin type **SD**



Plunger pin type **SE**



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