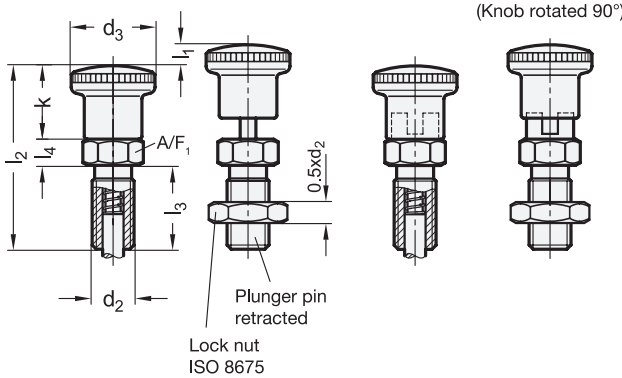
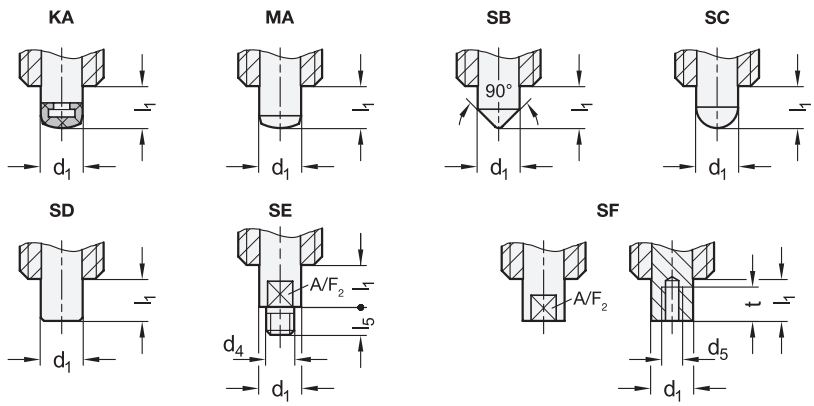
Indexing Plungers

Steel / Stainless Steel, with Special Tip

Type **B** Type **BK** Type **C** Type **CK** (Knob rotated 90°)



Plunger pin type



STAIN LESS *

3 Type

- **B** Without rest position, without lock nut
- **BK** Without rest position, with lock nut
- **C** With rest position, without lock nut
- **CK** With rest position, with lock nut

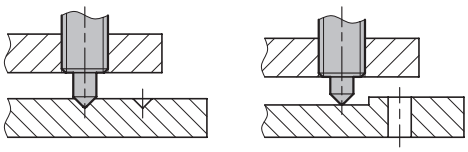
4 Plunger pin type

- **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

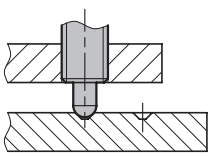
1 d_1 Plunger $^{-0,02}_{-0,05}$ Bore H7	2 l_1	d_2	d_3	d_4	d_5	k	l_2	l_3	l_4	l_5	A/F_1	A/F_2	t min.	Spring load in N ≈ Initial	End
5	8	M 10 x 1	19	M 3	M 3	16	40	18	6	4,5	12	4	6	5	18
6	9	M 12 x 1,5	23	M 4	M 4	20	48	22	6	6	14	5	8	6	25
8	12	M 16 x 1,5	28	M 5	M 5	24	58	26	8	7,5	17	7	10	8,5	28
10	12	M 16 x 1,5	28	M 6	M 6	24	58	26	8	9	17	8	12	9,5	38

Application Examples

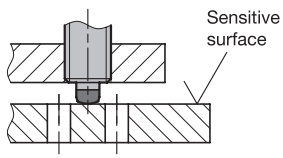
Plunger pin type **SB**



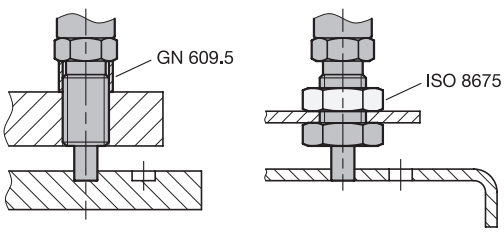
Plunger pin type **SC**



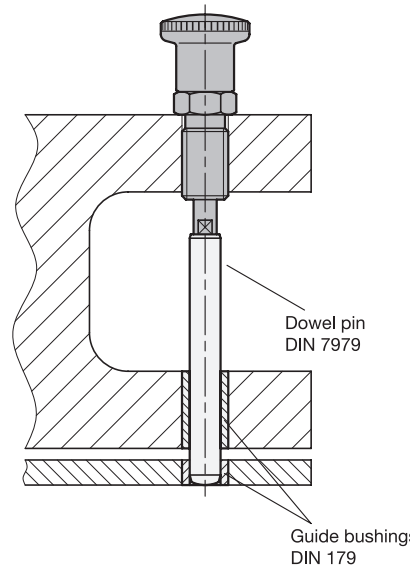
Plunger pin type **KA**



Plunger pin type **SD**



Plunger pin type **SE**



Specification

Guide
- Steel, blackened **ST**
- Stainless steel AISI 303 **NI**

Plunger pin
- Steel, blackened 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

Pressure spring
Stainless steel AISI 301

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

RoHS

Accessory	Page
DIN 172 Guide Bushings (with Collar)	1094
DIN 179 Guide Bushings (without Collar)	1094
GN 609.5 Distance Bushings	910
ISO 8675 Thin Hex Nuts	1065
DIN 7979 Dowel Pins	1100

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
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Load Rating Information	2360
ISO Fundamental Tolerances	2391
Plastic Characteristics	2414
Stainless Steel Characteristics	2422

How to order

GN 81700-10-12-BK-MA-NI

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