

Locking plungers

Pin in normal position protruded

SPECIFICATION

Types

- Type **A**: Operation with knob, sleeve black, without lock nut
- Type **AK**: Operation with knob, sleeve black, with lock nut
- Type **AR**: Operation with knob, sleeve red, without lock nut
- Type **ARK**: Operation with knob, sleeve red, with lock nut
- Type **B**: Operation with key, sleeve black, without lock nut
- Type **BK**: Operation with key, sleeve black, with lock nut

Threaded body

Steel zinc plated, blue passivated

Pin

Stainless Steel AISI 303

Spring

Stainless Steel AISI 301

Knob

Plastic (Polyamide PA)

- black, matt
- not removable

Sleeve

Plastic (Polyamid PA)

- black, matt or red
- not removable

INFORMATION

If not operated, the plunger of the locking plungers GN 816 protrudes. To retract, move against the spring force and hold in the end position by turning by 90°.

The shape of the cam curve secures the plunger against accidental operation.

When operating the button (Type AR/ARK), to visible **red** covering sleeve indicates the locking status: Indexing pin does **not** protrude.

For the execution with operation with key (Type B / BK) a key is required to move the plunger. In this execution, a cover sleeve provides additional security and safety from unauthorized removal of the locking plunger. The cover sleeve also provides additional protection against malfunction caused by dirt.

- Range of indexing plungers (see page 738)



ACCESSORY

Keys **GN 816-10**

Plastic (Polyamide PA)

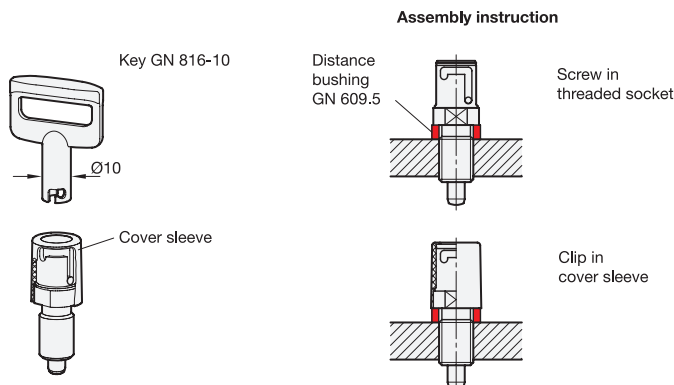
(All locking plungers have the same key)

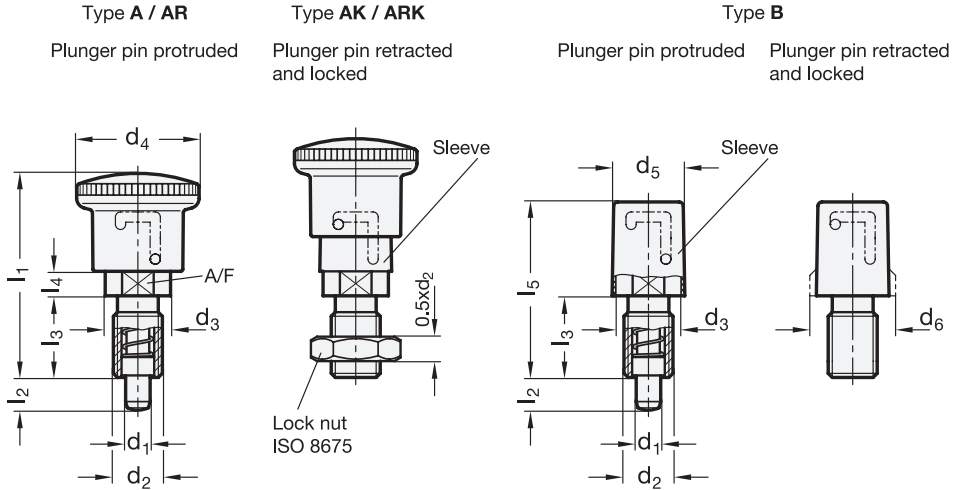
TECHNICAL INFORMATION

- Stainless Steel characteristics (see page A26)
- Plastic characteristics (see page A2)
- Load rating information (see page A42)

ASSEMBLY INSTRUCTIONS

Version with key (Type B / Type BK)





GN 816

| Description | d1 Pin O/-0.05 Bore +0.15/+0.07 | d2 | d3 | d4 | d5 | d6 | l1 ≈ | l2 | l3 | l4 ≈ | l5 | A/F | Spring load | | ⚖ |
|-----------------------|------------------------------------|------------|----|----|----|----|------|----|----|------|----|-----|-------------------|---------------|-----|
| | | | | | | | | | | | | | in N ≈ initial | in N ≈ end | |
| GN 816-6-M12x1,5-A | 6 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 50 |
| GN 816-8-M12x1,5-A | 8 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 20 |
| GN 816-8-M16x1,5-A | 8 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 60 |
| GN 816-10-M16x1,5-A | 10 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 64 |
| GN 816-6-M12x1,5-AK | 6 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 40 |
| GN 816-8-M12x1,5-AK | 8 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 29 |
| GN 816-8-M16x1,5-AK | 8 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 80 |
| GN 816-10-M16x1,5-AK | 10 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 81 |
| GN 816-6-M12x1,5-AR | 6 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 42 |
| GN 816-8-M12x1,5-AR | 8 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 20 |
| GN 816-8-M16x1,5-AR | 8 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 50 |
| GN 816-10-M16x1,5-AR | 10 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 20 |
| GN 816-6-M12x1,5-ARK | 6 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 190 |
| GN 816-8-M12x1,5-ARK | 8 | M 12 x 1.5 | 16 | 28 | - | - | 50 | 8 | 20 | 6 | - | 14 | 13 | 28 | 29 |
| GN 816-8-M16x1,5-ARK | 8 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 80 |
| GN 816-10-M16x1,5-ARK | 10 | M 16 x 1.5 | 18 | 28 | - | - | 52 | 10 | 22 | 6 | - | 16 | 14 | 38 | 20 |
| GN 816-6-M12x1,5-B | 6 | M 12 x 1.5 | 16 | - | - | - | - | 8 | 20 | - | 43 | 14 | 13 | 28 | 30 |
| GN 816-8-M12x1,5-B | 8 | M 12 x 1.5 | 16 | - | - | - | - | 8 | 20 | - | 43 | 14 | 13 | 28 | 42 |
| GN 816-8-M16x1,5-B | 8 | M 16 x 1.5 | 18 | - | 17 | 20 | - | 10 | 22 | - | 48 | 16 | 14 | 38 | 50 |
| GN 816-10-M16x1,5-B | 10 | M 16 x 1.5 | 18 | - | 17 | 20 | - | 10 | 22 | - | 48 | 16 | 14 | 38 | 71 |
| GN 816-6-M12x1,5-BK | 6 | M 12 x 1.5 | 16 | - | 17 | - | - | 8 | 20 | - | 43 | 14 | 13 | 28 | 30 |
| GN 816-8-M12x1,5-BK | 8 | M 12 x 1.5 | 16 | - | 17 | - | - | 8 | 20 | - | 43 | 14 | 13 | 28 | 42 |
| GN 816-8-M16x1,5-BK | 8 | M 16 x 1.5 | 18 | - | 17 | 20 | - | 10 | 22 | - | 48 | 16 | 14 | 38 | 50 |
| GN 816-10-M16x1,5-BK | 10 | M 16 x 1.5 | 18 | - | 17 | 20 | - | 10 | 22 | - | 48 | 16 | 14 | 38 | 71 |



8

Indexing elements