

## Locking plungers

### Pin in normal position retracted

#### 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 816.1 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 button (Type AR / ARK), the 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 816.1-10**

Plastic (Polyamide PA)

(All locking plungers have the same key)

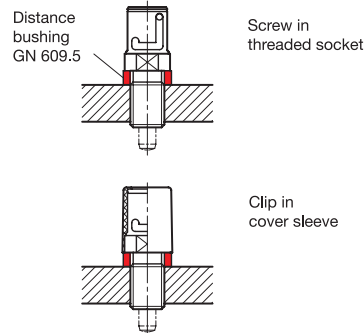
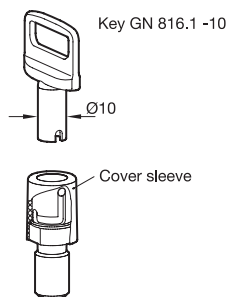
#### TECHNICAL INFORMATION

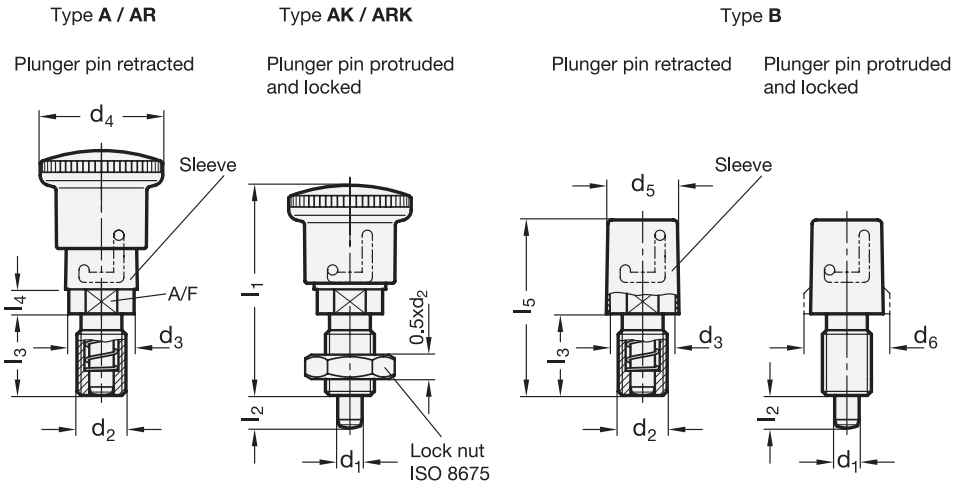
- Stainless Steel characteristics (see page A26)
- Plastic characteristics (see page A2)
- Load rating information (see page A42)

#### ASSEMBLY INSTRUCTION

##### Version with key (Type B / Type BK)

#### Assembly instruction





GN 816.1

Description	d1 Pin 0/-0.05 Bore +0.15/+0.07	d2	d3	d4	d5	d6	l1 ≈	l2	l3	l4 ≈	l5	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	Δ
GN 816.1-6-M12x1,5-A	6	M 12 x 1,5	16	28	-	-	51.5	8	20	6	-	14	12	27	50
GN 816.1-8-M16x1,5-A	8	M 16 x 1,5	18	28	-	-	54.5	10	22	6	-	16	12	35	50
GN 816.1-6-M12x1,5-AK	6	M 12 x 1,5	16	28	-	-	51.5	8	20	6	-	14	12	27	55
GN 816.1-8-M16x1,5-AK	8	M 16 x 1,5	18	28	-	-	54.5	10	22	6	-	16	12	35	80
GN 816.1-6-M12x1,5-AR	6	M 12 x 1,5	16	28	-	-	51.5	8	20	6	-	14	12	27	50
GN 816.1-8-M16x1,5-AR	8	M 16 x 1,5	18	28	-	-	54.5	10	22	6	-	16	12	35	50
GN 816.1-6-M12x1,5-ARK	6	M 12 x 1,5	16	28	-	-	51.5	8	20	6	-	14	12	27	55
GN 816.1-8-M16x1,5-ARK	8	M 16 x 1,5	18	28	-	-	54.5	10	22	6	-	16	12	35	80
GN 816.1-6-M12x1,5-B	6	M 12 x 1,5	16	-	17	-	-	8	20	-	43	14	12	27	43
GN 816.1-8-M16x1,5-B	8	M 16 x 1,5	18	-	17	20	-	10	22	-	48	16	12	35	50
GN 816.1-6-M12x1,5-BK	6	M 12 x 1,5	16	-	17	-	-	8	20	-	43	14	12	27	43
GN 816.1-8-M16x1,5-BK	8	M 16 x 1,5	18	-	17	20	-	10	22	-	48	16	12	35	70

