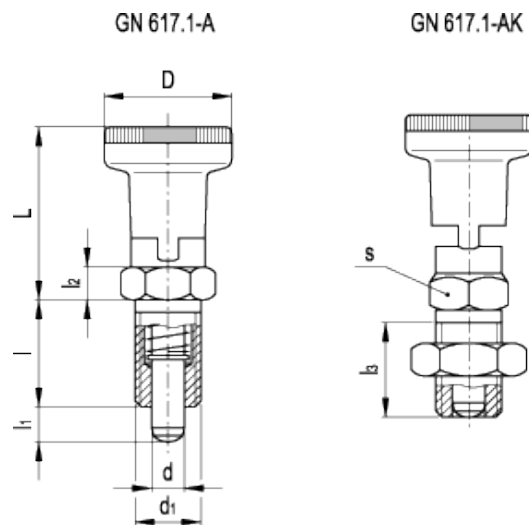


# GN 617.1

Indexing plungers with rest position



## technical informations

**Threaded body**  
Black-oxide steel.

## Plunger

Black-oxide steel with hardened end. Suggested matching hole in H7 tolerance.

## Locking nut

Black-oxide steel.

## "Push/Pull" knurled knob

High resilience polyamide based (PA) technopolymer, black colour, matte finish. Resistant to solvents, oils, greases and other chemical agents.

### Standard executions available

- VersionA: with knob, without locking nut.
- Version AK: with knob and locking nut, ISO 8675.

### Accessories on request (For sufficient quantities)

GN 609 black-oxide steel distance bushings are available for making up for the length of the threading in case the plunger is assembled on thin sheets.

### Applications

GN 617.1 indexing plungers with rest position are used where positioning operations are required and in those applications where the plunger needs to be locked in the retracted position.

| Standard Elements | Main dimensions |               |         |                |    |    |                     |                |                     | Spring pressure |                | Weight |
|-------------------|-----------------|---------------|---------|----------------|----|----|---------------------|----------------|---------------------|-----------------|----------------|--------|
|                   | Description     | d -0.02 -0.04 | L       | d <sub>1</sub> | D  | I  | l <sub>1 min.</sub> | l <sub>2</sub> | l <sub>3 min.</sub> | s               | Preload in N ≈ |        |
| GN 617.1-5-A      | 5               | 29            | M10x1   | 21             | 17 | 5  | 5                   | 15             | 12                  | 7               | 17             | 23     |
| GN 617.1-6-A      | 6               | 35            | M12x1.5 | 25             | 20 | 6  | 6                   | 17             | 14                  | 9               | 24             | 34     |
| GN 617.1-8-A      | 8               | 42.5          | M16x1.5 | 31             | 26 | 7  | 8                   | 23             | 19                  | 11              | 30             | 79     |
| GN 617.1-10-A     | 10              | 48            | M20x1.5 | 31             | 33 | 10 | 10                  | 30             | 22                  | 19              | 45             | 130    |
| GN 617.1-5-AK     | 5               | 29            | M10x1   | 21             | 17 | 5  | 5                   | 15             | 12                  | 7               | 17             | 30     |
| GN 617.1-6-AK     | 6               | 35            | M12x1.5 | 25             | 20 | 6  | 6                   | 17             | 14                  | 9               | 24             | 48     |
| GN 617.1-8-AK     | 8               | 42.5          | M16x1.5 | 31             | 26 | 7  | 8                   | 23             | 19                  | 11              | 30             | 91     |
| GN 617.1-10-AK    | 10              | 48            | M20x1.5 | 31             | 33 | 10 | 10                  | 30             | 22                  | 19              | 45             | 163    |



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