

## Spring plungers

**Steel, Stainless Steel, Ball with friction bearing, with slot**

### SPECIFICATION

#### Types

- Type **K**: Steel, standard spring load
- Type **KS**: Steel, high spring load
- Type **KN**: Stainless Steel, standard spring load
- Type **KSN**: Stainless Steel, high spring load

#### Type K / KS

- Housing Steel, blackened
- Ball Steel, hardened

#### Type KN / KSN

- Housing Stainless Steel AISI 303
- Ball Stainless Steel AISI 420C, hardened

#### Spring

Stainless Steel AISI 631

#### Friction bearing

- Plastic
- temperature resistant up to 90 °C

#### Identification of type KS / KSN:

Housing with 2 longitudinal markings



### INFORMATION

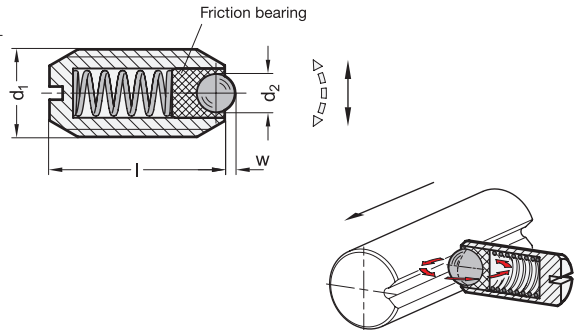
GN 615.8 spring plungers are used for locking as well as for pressure and hold-off functions.

The ball is mounted in a plastic shell so as to be freely movable, which enables rolling and therefore generally optimizes the locking characteristics. Above all, this reduces wear on the counter piece.

A further characteristic of these plungers is that the plastic bearing acts as an electrical insulator.

### TECHNICAL INFORMATION

- Stainless Steel characteristics (see page A26)



### GN 615.8-K/KS

| Description     | d1   | d2  | l  | w    | Spring load in N ≈ initial | Spring load in N ≈ end | ⚖  |
|-----------------|------|-----|----|------|----------------------------|------------------------|----|
| GN 615.8-M5-K   | M 5  | 2   | 12 | 0.5  | 4.8                        | 6.8                    | 1  |
| GN 615.8-M6-K   | M 6  | 2.5 | 14 | 0.7  | 6.3                        | 10                     | 2  |
| GN 615.8-M8-K   | M 8  | 3.5 | 16 | 0.95 | 16                         | 24                     | 4  |
| GN 615.8-M10-K  | M 10 | 4.5 | 19 | 1.4  | 18.8                       | 31.7                   | 6  |
| GN 615.8-M12-K  | M 12 | 6.5 | 22 | 2.3  | 26                         | 49                     | 10 |
| GN 615.8-M16-K  | M 16 | 8.5 | 24 | 3.1  | 38                         | 68                     | 21 |
| GN 615.8-M5-KS  | M 5  | 2   | 12 | 0.5  | 10                         | 14                     | 1  |
| GN 615.8-M6-KS  | M 6  | 2.5 | 14 | 0.7  | 11                         | 16                     | 2  |
| GN 615.8-M8-KS  | M 8  | 3.5 | 16 | 0.95 | 23                         | 40                     | 4  |
| GN 615.8-M10-KS | M 10 | 4.5 | 19 | 1.4  | 28                         | 54.3                   | 6  |
| GN 615.8-M12-KS | M 12 | 6.5 | 22 | 2.3  | 39.5                       | 77.3                   | 10 |
| GN 615.8-M16-KS | M 16 | 8.5 | 24 | 3.1  | 50                         | 88.7                   | 21 |

### GN 615.8-KN/KSN

### STAINLESS STEEL

| Description      | d1   | d2  | l  | w    | Spring load in N ≈ initial | Spring load in N ≈ end | ⚖  |
|------------------|------|-----|----|------|----------------------------|------------------------|----|
| GN 615.8-M5-KN   | M 5  | 2   | 12 | 0.5  | 4.8                        | 6.8                    | 1  |
| GN 615.8-M6-KN   | M 6  | 2.5 | 14 | 0.7  | 6.3                        | 10                     | 2  |
| GN 615.8-M8-KN   | M 8  | 3.5 | 16 | 0.95 | 16                         | 24                     | 4  |
| GN 615.8-M10-KN  | M 10 | 4.5 | 19 | 1.4  | 18.8                       | 31.7                   | 6  |
| GN 615.8-M12-KN  | M 12 | 6.5 | 22 | 2.3  | 26                         | 49                     | 10 |
| GN 615.8-M16-KN  | M 16 | 8.5 | 24 | 3.1  | 38                         | 68                     | 21 |
| GN 615.8-M5-KSN  | M 5  | 2   | 12 | 0.5  | 10                         | 14                     | 1  |
| GN 615.8-M6-KSN  | M 6  | 2.5 | 14 | 0.7  | 11                         | 16                     | 2  |
| GN 615.8-M8-KSN  | M 8  | 3.5 | 16 | 0.95 | 23                         | 40                     | 4  |
| GN 615.8-M10-KSN | M 10 | 4.5 | 19 | 1.4  | 28                         | 54.3                   | 6  |
| GN 615.8-M12-KSN | M 12 | 6.5 | 22 | 2.3  | 39.5                       | 77.3                   | 10 |
| GN 615.8-M16-KSN | M 16 | 8.5 | 24 | 3.1  | 50                         | 88.7                   | 21 |