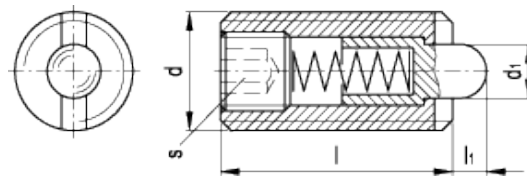


# GN 616-NI

Threaded bolt spring plungers



## technical informations

### Threaded body

AISI 303 stainless steel, hexagon socket head.

### Bolt and spring

- Execution SN: nitrided AISI 303 stainless steel bolt, stainless steel spring with normal end-force. Maximum working temperature 250°C.
- Execution KN: acetal resin based (POM) technopolymer bolt, stainless steel spring with normal end-force. Working temperature from -30°C to +50°C.

### Special executions on request (For sufficient quantities)

- Execution SN-MVK, KN-MVK: thread locking by means of micro-encapsulated red patch (see [Technical Data](#)). Working temperature from -40°C to +170°C.
- Execution SN-PFB, KN-PFB: thread locking by means of polyamide blue coating (see [Technical Data](#)). Working temperature from -50°C to +90°C.

### Features and applications

AISI 303 stainless steel, thanks to its high resistance to corrosion, allows the application of these plungers on machines and equipment in those sectors where laws or particular hygienic, climatic and environmental factors make it mandatory to use corrosion resistant materials.

The slot on the plunger side is provided for a blind hole application. A special screw driver GN 616.5 is available.

| Standard Elements | Main dimensions |                |        |                          |     | Spring pressure |                | Weight | Screw driver |
|-------------------|-----------------|----------------|--------|--------------------------|-----|-----------------|----------------|--------|--------------|
| Description       | d               | d <sub>1</sub> | l +0.2 | l <sub>1</sub> +0.3 -0.1 | s   | Preload [N~]    | Max. load [N~] | g      | Description  |
| GN 616-M4-SN      | M4              | 1.5            | 15     | 1.5                      | 1.3 | 4.5             | 16             | 1      | GN 616.5-M4  |
| GN 616-M5-SN      | M5              | 2.4            | 18     | 2.3                      | 1.5 | 6               | 19             | 2      | GN 616.5-M5  |
| GN 616-M6-SN      | M6              | 2.7            | 20     | 2.5                      | 2   | 6               | 19             | 3      | GN 616.5-M6  |
| GN 616-M8-SN      | M8              | 3.5            | 22     | 3                        | 2.5 | 10              | 39             | 6      | GN 616.5-M8  |
| GN 616-M10-SN     | M10             | 4              | 22     | 3                        | 3   | 10              | 39             | 9      | GN 616.5-M10 |
| GN 616-M12-SN     | M12             | 6              | 28     | 4                        | 4   | 12              | 53             | 16     | GN 616.5-M12 |
| GN 616-M16-SN     | M16             | 7.5            | 32     | 5                        | 5   | 45              | 100            | 35     | GN 616.5-M16 |
| GN 616-M20-SN     | M20             | 10             | 40     | 7                        | 6   | 52              | 125            | 65     | GN 616.5-M20 |
| GN 616-M4-KN      | M4              | 1.5            | 15     | 1.5                      | 1.3 | 4.5             | 16             | 1      | GN 616.5-M4  |
| GN 616-M5-KN      | M5              | 2.4            | 18     | 2.3                      | 1.5 | 6               | 19             | 2      | GN 616.5-M5  |
| GN 616-M6-KN      | M6              | 2.7            | 20     | 2.5                      | 2   | 6               | 19             | 3      | GN 616.5-M6  |
| GN 616-M8-KN      | M8              | 3.5            | 22     | 3                        | 2.5 | 10              | 39             | 6      | GN 616.5-M8  |
| GN 616-M10-KN     | M10             | 4              | 22     | 3                        | 3   | 10              | 39             | 9      | GN 616.5-M10 |
| GN 616-M12-KN     | M12             | 6              | 28     | 4                        | 4   | 12              | 53             | 16     | GN 616.5-M12 |
| GN 616-M16-KN     | M16             | 7.5            | 32     | 5                        | 5   | 45              | 100            | 36     | GN 616.5-M16 |



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