

## THREADED BODY

Black-oxide steel, hexagon socket head.

## STANDARD EXECUTIONS

- **GN 616-S**: hardened steel bolt, steel spring with normal end-force.
- **GN 616-SS**: hardened steel bolt, steel spring with heavy end-force with not burnished hexagon socket, threaded body with two laser-engraved lines.

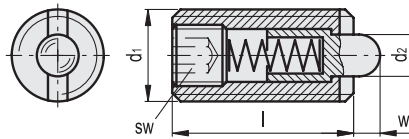
Maximum working temperature for the execution S and SS 220°C.

- **GN 616-K**: acetal resin based (POM) technopolymer bolt, steel spring with normal end-force.

Working temperature: from -30°C to +50°C.

## SPECIAL EXECUTIONS ON REQUEST

- GN 616-S-MVK, GN 616-SS-MVK, GN 616-K-MVK: thread locking by means of micro-encapsulated red patch (see Technical data on page A-19). Working temperature: from -40°C to +170°C.
- GN 616-S-PFB, GN 616-SS-PFB, GN 616-K-PFB: thread locking by means of polyamide blue coating (see Technical data on page A-19). Working temperature: from -50°C to +90°C.



## GN 616-S

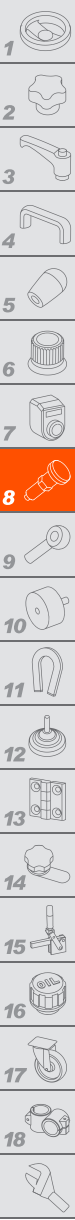
| Code     | Description  | d1  | d2  | l+0.2 | sw  | w+0.3-0.1 | Spring preload [N] | Spring max load [N] | ⚖️  |
|----------|--------------|-----|-----|-------|-----|-----------|--------------------|---------------------|-----|
| GN.34091 | GN 616-M3-S  | M3  | 1   | 12    | 0.7 | 1         | 2                  | 4                   | 1   |
| GN.34101 | GN 616-M4-S  | M4  | 1.5 | 15    | 1.3 | 1.5       | 4.5                | 16                  | 1   |
| GN.34111 | GN 616-M5-S  | M5  | 2.4 | 18    | 1.5 | 2.3       | 6                  | 19                  | 2   |
| GN.34121 | GN 616-M6-S  | M6  | 2.7 | 20    | 2   | 2.5       | 6                  | 19                  | 3   |
| GN.34131 | GN 616-M8-S  | M8  | 3.5 | 22    | 2.5 | 3         | 10                 | 39                  | 6   |
| GN.34141 | GN 616-M10-S | M10 | 4   | 22    | 3   | 3         | 10                 | 39                  | 9   |
| GN.34151 | GN 616-M12-S | M12 | 6   | 28    | 4   | 4         | 12                 | 53                  | 16  |
| GN.34161 | GN 616-M16-S | M16 | 7.5 | 32    | 5   | 5         | 45                 | 100                 | 35  |
| GN.34171 | GN 616-M20-S | M20 | 10  | 40    | 6   | 7         | 52                 | 125                 | 65  |
| GN.34181 | GN 616-M24-S | M24 | 12  | 52    | 8   | 10        | 70                 | 170                 | 120 |

## GN 616-SS

|          |               |     |     |    |     |     |    |     |     |
|----------|---------------|-----|-----|----|-----|-----|----|-----|-----|
| GN.34113 | GN 616-M5-SS  | M5  | 2.4 | 18 | 1.5 | 2.3 | 11 | 40  | 2   |
| GN.34123 | GN 616-M6-SS  | M6  | 2.7 | 20 | 2   | 2.5 | 15 | 43  | 3   |
| GN.34133 | GN 616-M8-SS  | M8  | 3.5 | 22 | 2.5 | 3   | 20 | 75  | 6   |
| GN.34143 | GN 616-M10-SS | M10 | 4   | 22 | 3   | 3   | 20 | 75  | 9   |
| GN.34153 | GN 616-M12-SS | M12 | 6   | 28 | 4   | 4   | 45 | 120 | 16  |
| GN.34163 | GN 616-M16-SS | M16 | 7.5 | 32 | 5   | 5   | 64 | 160 | 35  |
| GN.34173 | GN 616-M20-SS | M20 | 10  | 40 | 6   | 7   | 75 | 195 | 65  |
| GN.34183 | GN 616-M24-SS | M24 | 12  | 52 | 8   | 10  | 75 | 245 | 120 |

## GN 616-K

|          |              |     |     |    |     |     |     |     |    |
|----------|--------------|-----|-----|----|-----|-----|-----|-----|----|
| GN.34102 | GN 616-M4-K  | M4  | 1.5 | 15 | 1.3 | 1.5 | 4.5 | 16  | 1  |
| GN.34112 | GN 616-M5-K  | M5  | 2.4 | 18 | 1.5 | 2.3 | 6   | 19  | 2  |
| GN.34122 | GN 616-M6-K  | M6  | 2.7 | 20 | 2   | 2.5 | 6   | 19  | 2  |
| GN.34132 | GN 616-M8-K  | M8  | 3.5 | 22 | 2.5 | 3   | 10  | 39  | 5  |
| GN.34142 | GN 616-M10-K | M10 | 4   | 22 | 3   | 3   | 10  | 39  | 10 |
| GN.34152 | GN 616-M12-K | M12 | 6   | 28 | 4   | 4   | 12  | 53  | 14 |
| GN.34162 | GN 616-M16-K | M16 | 7.5 | 32 | 5   | 5   | 45  | 100 | 31 |



Indexing and positioning elements