



1  
**THREADED BODY**

AISI 303 stainless steel, screwdriver slotted head.  
Suggested tolerance for plunger housing hole d1 = H7.



2  
**BALL**

Hardened stainless steel.



3  
**SPRING**

AISI 631 stainless steel.



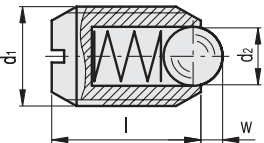
4  
**STANDARD EXECUTIONS**

- **GN 615-KN**: normal end-force spring.
- **GN 615-KSN**: reinforced pressure spring.



5  
**SPECIAL EXECUTIONS ON REQUEST**

- GN 615-KN-MVK, GN 615-KSN-MVK: thread locking by means of micro-encapsulated red patch (see Technical data on page A-20). Working temperature: from -40°C to +170°C.
- GN 615-KN-PFB, GN 615-KSN-PFB: thread locking by means of polyamide blue coating (see Technical data on page A-20). Working temperature: from -50°C to +90°C.



Conversion Table

1 mm = 0.039 inch

| d2  |      | d2 |      |
|-----|------|----|------|
| mm  | inch | mm | inch |
| 1.5 | 0.04 | 6  | 0.23 |
| 2.5 | 0.06 | 8  | 0.31 |
| 3   | 0.10 | 10 | 0.39 |
| 3.5 | 0.12 | 12 | 0.47 |
| 4.5 | 0.14 | 15 | 0.59 |

GN 615-KN

INOX

STAINLESS  
STEEL

METRIC

| Code     | Description   | d1   | d2  | l±0.1 | w   | Spring<br>preload<br>[N] | Spring<br>max load<br>[N] | △  |
|----------|---------------|------|-----|-------|-----|--------------------------|---------------------------|----|
| GN.33090 | GN 615-M2-KN  | M 2  | 1   | 4     | 0.3 | 0.8                      | 1.5                       | 1  |
| GN.33093 | GN 615-M3-KN  | M 3  | 1.5 | 7     | 0.4 | 3                        | 4.5                       | 2  |
| GN.33103 | GN 615-M4-KN  | M 4  | 2.5 | 9     | 0.8 | 6                        | 14.5                      | 3  |
| GN.33113 | GN 615-M5-KN  | M 5  | 3   | 12    | 0.9 | 8                        | 14                        | 4  |
| GN.33123 | GN 615-M6-KN  | M 6  | 3.5 | 14    | 1   | 11                       | 18                        | 5  |
| GN.33133 | GN 615-M8-KN  | M 8  | 4.5 | 16    | 1.5 | 18                       | 31                        | 6  |
| GN.33143 | GN 615-M10-KN | M 10 | 6   | 19    | 2   | 24                       | 45                        | 7  |
| GN.33153 | GN 615-M12-KN | M 12 | 8   | 22    | 2.5 | 26                       | 49                        | 10 |
| GN.33163 | GN 615-M16-KN | M 16 | 10  | 24    | 3.5 | 41                       | 86                        | 22 |
| GN.33173 | GN 615-M20-KN | M 20 | 12  | 30    | 4.5 | 56                       | 111                       | 43 |
| GN.33183 | GN 615-M24-KN | M 24 | 15  | 34    | 5.5 | 81                       | 151                       | 70 |

GN 615-KSN

INOX

STAINLESS  
STEEL

METRIC

| Code     | Description    | d1   | d2  | l±0.1 | w   | Spring<br>preload<br>[N] | Spring<br>max load<br>[N] | △  |
|----------|----------------|------|-----|-------|-----|--------------------------|---------------------------|----|
| GN.33089 | GN 615-M2-KSN  | M 2  | 1   | 4     | 0.3 | 1.6                      | 2                         | 1  |
| GN.33094 | GN 615-M3-KSN  | M 3  | 1.5 | 7     | 0.4 | 6.4                      | 9.5                       | 2  |
| GN.33104 | GN 615-M4-KSN  | M 4  | 2.5 | 9     | 0.8 | 12                       | 18                        | 3  |
| GN.33114 | GN 615-M5-KSN  | M 5  | 3   | 12    | 0.9 | 15                       | 22                        | 4  |
| GN.33124 | GN 615-M6-KSN  | M 6  | 3.5 | 14    | 1   | 19                       | 28                        | 5  |
| GN.33134 | GN 615-M8-KSN  | M 8  | 4.5 | 16    | 1.5 | 36                       | 62                        | 6  |
| GN.33144 | GN 615-M10-KSN | M 10 | 6   | 19    | 2   | 57                       | 104                       | 7  |
| GN.33154 | GN 615-M12-KSN | M 12 | 8   | 22    | 2.5 | 61                       | 110                       | 10 |
| GN.33164 | GN 615-M16-KSN | M 16 | 10  | 24    | 3.5 | 68                       | 142                       | 22 |
| GN.33174 | GN 615-M20-KSN | M 20 | 12  | 30    | 4.5 | 84                       | 166                       | 43 |
| GN.33184 | GN 615-M24-KSN | M 24 | 15  | 34    | 5.5 | 127                      | 237                       | 70 |