

GAS SPRING (SPRING PLUNGER), WITH HEXAGON SOCKET, VDI 3004

Description:

Spring plungers are used as ejectors, damper pins, fixing and retaining pins in many sectors of the tool-, jig- and fixture-making industries. Assembly requires the use of special FIBRO insertion tool (2470.12.010.017).

Note:

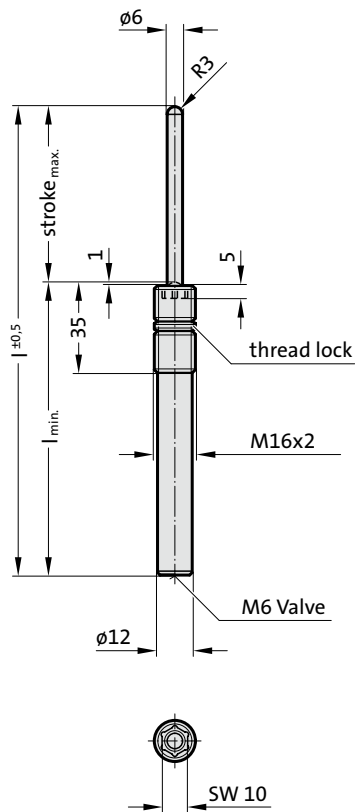
Worn gas springs cannot be repaired, they have to be replaced completely.

Pressure medium: Nitrogen - N<sub>2</sub>  
Max. filling pressure: 150 bar  
Min. filling pressure: 6 bar  
Working temperature: 0°C to +80°C  
Temperature related force increase: ± 0.3%/°C  
Max. recommended extensions per minute: approx. 100 (at 20°C)  
Max. piston speed: 1.6 m/s

Upon customers request, also available unfilled, Order No 2479.031.00000....., Colour: black

<sup>2)</sup> Hexagon nut order supplementary: 2479.004.016.20 (M16 x 2)

2479.031.



2479.031. Gas spring (Spring plunger), with hexagon socket, VDI 3004

Spring type:

| Order No*          | Stroke <sub>max.</sub> | l   | l <sub>min.</sub> | .00004.                    |                          | .00005.                    |                          | .00010.                    |                          | .00020.                    |                          | .00040.                    |                          |
|--------------------|------------------------|-----|-------------------|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|
|                    |                        |     |                   | F <sub>initial</sub> [daN] | F <sub>final</sub> [daN] | F <sub>initial</sub> [daN] | F <sub>final</sub> [daN] | F <sub>initial</sub> [daN] | F <sub>final</sub> [daN] | F <sub>initial</sub> [daN] | F <sub>final</sub> [daN] | F <sub>initial</sub> [daN] | F <sub>final</sub> [daN] |
| 2479.031.□□□□□.010 | 10                     | 65  | 55                | 3.4                        | 6                        | 6                          | 10.3                     | 11                         | 19                       | 21                         | 36.1                     | 42                         | 73                       |
| 2479.031.□□□□□.020 | 20                     | 85  | 65                | 3.4                        | 5.2                      | 6                          | 9.4                      | 11                         | 17.2                     | 21                         | 32.8                     | 42                         | 66.1                     |
| 2479.031.□□□□□.030 | 30                     | 105 | 75                | 3.4                        | 5.2                      | 6                          | 9.1                      | 11                         | 16.7                     | 21                         | 31.9                     | 42                         | 64.5                     |
| 2479.031.□□□□□.040 | 40                     | 125 | 85                | 3.4                        | 5.2                      | 6                          | 9                        | 11                         | 16.5                     | 21                         | 31.5                     | 42                         | 63.7                     |
| 2479.031.□□□□□.050 | 50                     | 145 | 95                | 3.4                        | 5.4                      | 6                          | 9.6                      | 11                         | 17.6                     | 21                         | 33.6                     | 42                         | 67.7                     |
| 2479.031.□□□□□.060 | 60                     | 165 | 105               | 3.4                        | 5.4                      | 6                          | 9.4                      | 11                         | 17.3                     | 21                         | 33                       | 42                         | 66.5                     |
| 2479.031.□□□□□.070 | 70                     | 185 | 115               | 3.4                        | 5.4                      | 6                          | 9.3                      | 11                         | 17                       | 21                         | 32.5                     | 42                         | 65.7                     |
| 2479.031.□□□□□.080 | 80                     | 205 | 125               | 3.4                        | 5.2                      | 6                          | 9.2                      | 11                         | 16.8                     | 21                         | 32.1                     | 42                         | 65.1                     |
| 2479.031.□□□□□.100 | 100                    | 245 | 145               | 3.4                        | 5.2                      | 6                          | 9.1                      | 11                         | 16                       | 21                         | 31.9                     | 42                         | 64.3                     |
| 2479.031.□□□□□.125 | 125                    | 295 | 170               | 3.4                        | 5.2                      | 6                          | 9                        | 11                         | 16.5                     | 21                         | 31.5                     | 42                         | 63.8                     |

\*complete with spring type

Spring force marking:

Spring type - Pressure [bar] - Colour:

- .00004. - 12 - violet
- .00005. - 20 - green
- .00010. - 40 - blue
- .00020. - 75 - red
- .00040. - 150 - yellow

