

Art.-Nr.: 10.01.02.01344



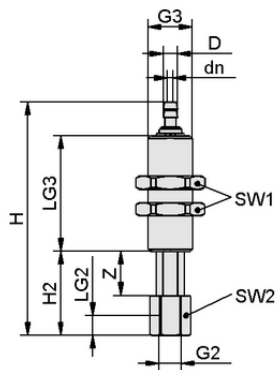
FSTIm M5-IG 6/4 A 20 IN

Spring plunger FSTIm is delivered assembled.

Available accessories: vacuum hose, hose sleeve

**Technical data**

| Attribute               | Value                     |
|-------------------------|---------------------------|
| Shape mounting elements | (electrically) insulating |
| Spring stroke Z         | 20.0 mm                   |
| Suction cup connection  | M5-F                      |
| Vacuum connection       | Hose 6/4                  |
| Shape                   | Axial vacuum guide        |
| Tightening torque (max) | 4.0 Nm                    |



Design data FSTIm M5-IG 6/4 A 20 IN

**Design data**

| Attribute           | Value    |
|---------------------|----------|
| Height H2           | 29.00 mm |
| Height H            | 79.70 mm |
| Outside diameter D  | 4.00 mm  |
| Nominal diameter dn | 2.00 mm  |
| Thread G2           | M5-F     |
| Thread length LG2   | 4.5 mm   |
| Thread length LG3   | 41.0 mm  |
| Key width SW1       | 14.0 mm  |
| Spanner size SW2    | 8.0 mm   |
| Spring stroke Z     | 20.0 mm  |
| Thread G3           | M10x1-M  |

Recommendation: Avoid maximum plunger stroke Z during continuous operation to extend service life Ensure that the hose guide is free from distortion



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**Technical data**

| Attribute               | Value                     |
|-------------------------|---------------------------|
| Shape mounting elements | (electrically) insulating |
| Spring force center     | 1.02 N                    |
| Spring rate             | 0.052 N/mm                |
| Spring pretension       | 0.50 N                    |
| Horizontal load         | 10.0 N                    |
| Vertical load           | 15.0 N                    |
| Weight                  | 21.00 g                   |
| Operating temperature   | 0 ... 80 °C               |
| Product family          | FSTIm                     |
| Tightening torque (max) | 4.0 Nm                    |

Note: Spring force: Referred to 50 % of operating stroke Vertical loading: Maximum static loading Horizontal load: The specification of the horizontal load refers to the lower edge of the plunger with extended spring. It is a maximum static stress and it impairs the spring compression and extension in horizontal position.

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.02.01344](http://www.schmalz.com/10.01.02.01344)

**Ordering Data Accessories 10.01.02.01344**

| Typ                   |                         | Item number    |
|-----------------------|-------------------------|----------------|
| Compressed-air hose   | VSL 6-4 PU BL SO        | 10.07.09.00141 |
| Cross-beam connection | HTR-STA 47 1N D10/16 FL | 10.08.03.00085 |
| Cross-beam connection | HTR-ST5 30x30 D10/16 WI | 10.08.03.00088 |
| Cross-beam connection | HTR-ST5 40x40 D10/16 WI | 10.08.03.00089 |

