

## Spring plunger

FSTIm M5-IG M5-IG A 5 IN

Part no...:10.01.02.01480

<https://www.schmalz.com/10.01.02.01480>

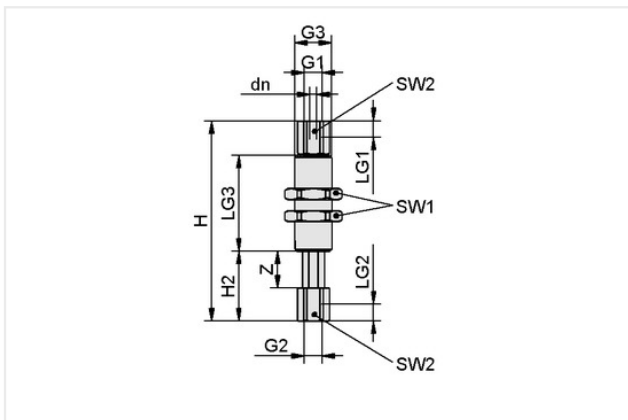
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### Spring plunger with internal damping spring and height compensation



|                                                    |
|----------------------------------------------------|
| Suction cup connection: M5-F                       |
| Vacuum connection: M5-F                            |
| Shape: Axial vacuum guide                          |
| Spring stroke Z: 5 mm                              |
| Shape mounting elements: (electrically) insulating |

### Design Data



| Attribute  | Value    |
|------------|----------|
| dn         | 2 mm     |
| G1         | M5-F     |
| G2         | M5-F     |
| G3         | M10x1-M  |
| H          | 42.40 mm |
| H2         | 14 mm    |
| LG1        | 4.50 mm  |
| LG2        | 4.50 mm  |
| LG3        | 19 mm    |
| SW1        | 14 mm    |
| SW2        | 8 mm     |
| Z (Stroke) | 5 mm     |

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

### Technical Data

| Attribute               | Value                     |
|-------------------------|---------------------------|
| Shape mounting elements | (electrically) insulating |
| Spring rate             | 0.06 N/mm                 |
| Spring pretension       | 0.50 N                    |
| Spring force, center    | 0.64 N                    |

### Contact Schmalz

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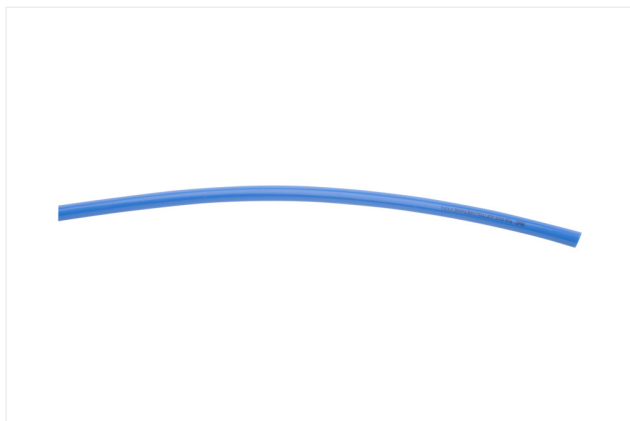
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|                       |             |
|-----------------------|-------------|
| Vertical load         | 15 N        |
| Horizontal load       | 10 N        |
| Weight                | 17.50 g     |
| Operating temperature | 0 ... 80 °C |
| Product family        | FSTIm       |

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.

### Accessories



#### VSL 4-2.5 PU BL SO

Part no.:10.07.09.00142



#### ST M5-AG 4 MS-V

Part no.:10.08.03.00311

Thread G1: M5-M

Material: Brass

Surface: nickel plated

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### HTR-STA 47 1N D10/16 FL

Part no...:10.08.03.00085

Length L: 47 mm

Connection 1: Sliding block

Connection of suction cup, spring plunger: Contour D10 and D16

Shape: flat



### HTR-ST5 30x30 D10/16 WI

Part no...:10.08.03.00088

Connection 1: 30x30

Connection of suction cup, spring plunger: Contour D10 and D16

Shape: angled



### HTR-ST5 40x40 D10/16 WI

Part no...:10.08.03.00089

Connection 1: 40x40

Connection of suction cup, spring plunger: Contour D10 and D16

Shape: angled