

# Spring plunger

## FSTIm M3-IG 4/2.5 A 5 VG

<https://www.schmalz.com/10.01.02.01259>



Part no.: 10.01.02.01259

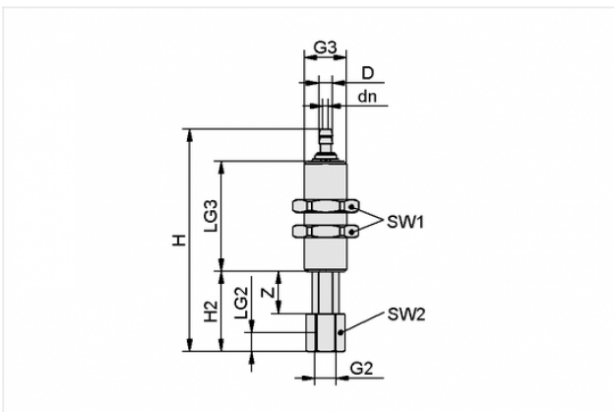
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### Spring plunger with internal damping spring and height compensation



Suction cup connection: M3-F  
Vacuum connection: Hose 4/2.5  
Shape: n.d.  
Spring stroke Z: 5 mm  
Shape: With rotation lock

### Design Data



| Attribute | Value   |
|-----------|---------|
| dn        | 1.3 mm  |
| D         | 2.5 mm  |
| G2        | M3-F    |
| G3        | M10x1-M |
| H         | 40.7 mm |
| H2        | 14 mm   |
| LG2       | 4.5 mm  |
| LG3       | 19 mm   |
| SW1       | 14 mm   |
| SW2       | 8 mm    |
| Z         | 5 mm    |

### Contact to Schmalz

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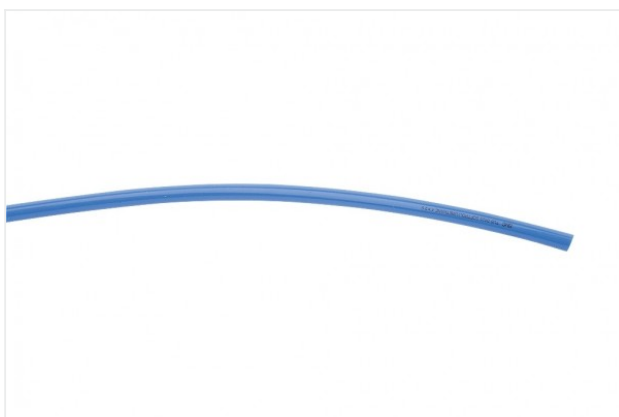
## Technical Data

| Attribute            | Value              |
|----------------------|--------------------|
| Shape                | With rotation lock |
| Spring rate          | 0.055 N/mm         |
| Spring pretension    | 0.5 N              |
| Spring force, centre | 0.64 N             |
| Vertical load        | 15 N               |
| Horizontal load      | 1.5 N              |
| Weight               | 14 g               |
| Ambient temperature  | 0 ... 80 °C        |

### Note:

- Spring force: Referred to 50 % of operating stroke
- Vertical load: 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 SO

Part no. 10.07.09.00142

Hose for vacuum and compressed-air systems

External diameter D: 4 mm

Internal diameter d: 2.5 mm

Length (max): 50 m

Material: PU

Installation radius (min): 8 mm

Colour: blue

Pressure range (operating pressure):

0.00 ... 6.00 bar

Ambient temperature: -25 ... 60 °C

SO: Hose in soft design

### Contact to Schmalz



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

Part no. 10.08.03.00085

Holder for flexible mounting of suction cups/spring plungers on sections

Length L: 47 mm

Cross-beam connection: Sliding block

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: flat



**HTR-STS 30x30 D10/16 WI**

Part no. 10.08.03.00088

Holder for flexible mounting of suction cups/spring plungers on square tubes

Cross-beam connection: 30x30

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: angled



**HTR-STS 40x40 D10/16 WI**

Part no. 10.08.03.00089

Holder for flexible mounting of suction cups/spring plungers on square tubes

Cross-beam connection: 40x40

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: angled