

# Spring plunger

## FSTIm M3-IG 4/2.5 A 5

Part no.: 10.01.02.01333

<https://www.schmalz.com/10.01.02.01333>



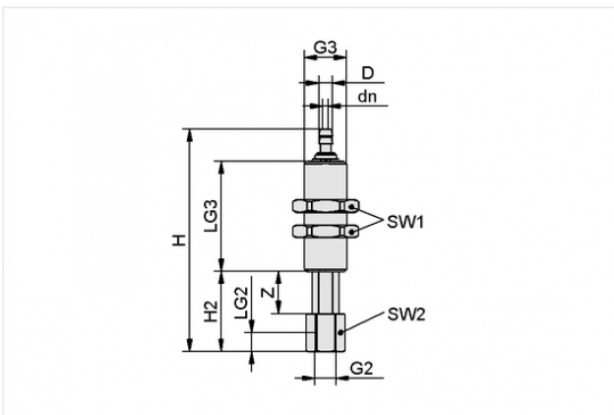
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## Spring plunger with internal damping spring and height compensation



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

### Design Data



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

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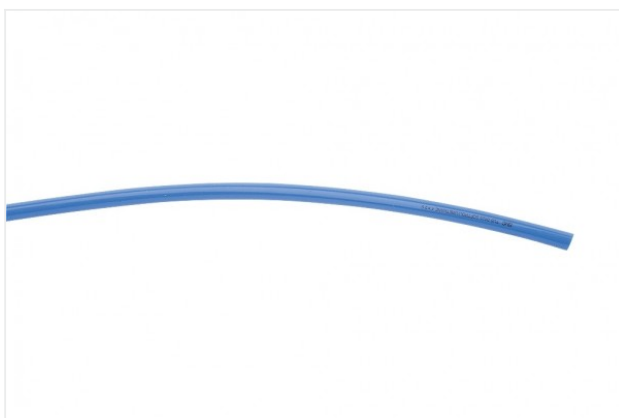
## Technical Data

Attribute	Value
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