

Spring plunger

FSTIm M5-IG 6/4 A 20

Part no.: 10.01.02.01344

<https://www.schmalz.com/10.01.02.01344>



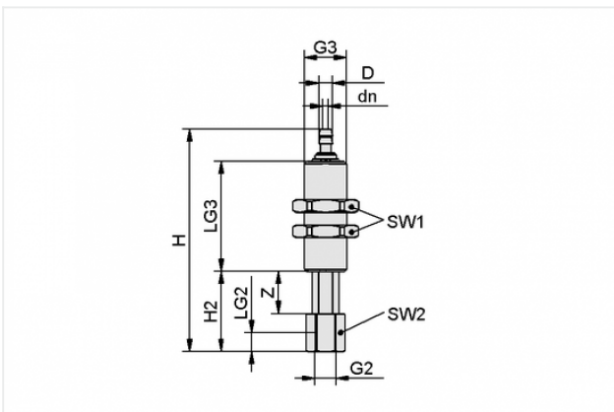
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Spring plunger with internal damping spring and height compensation



Suction cup connection: M5-F
Vacuum connection: Hose 6/4
Shape: n.d.
Spring stroke Z: 20 mm

Design Data



Attribute	Value
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dn	2 mm
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D	4 mm
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G2	M5-F
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G3	M10x1-M
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H	79.7 mm
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H2	29 mm
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LG2	4.5 mm
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LG3	41 mm
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SW1	14 mm
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SW2	8 mm
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Z	20 mm
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Contact to Schmalz

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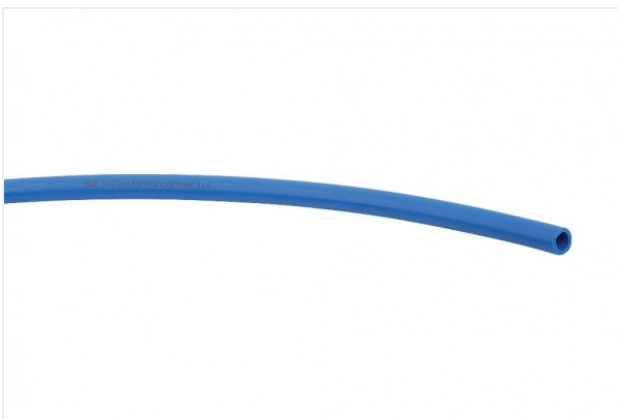
Technical Data

Attribute	Value
Spring rate	0.052 N/mm
Spring pretension	0.5 N
Spring force, centre	1.02 N
Vertical load	15 N
Horizontal load	1.5 N
Weight	21 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 6-4 PU SO

Part no. 10.07.09.00141

Hose for vacuum and compressed-air systems

External diameter D: 6 mm

Internal diameter d: 4 mm

Length (max): 50 m

Material: PU

Installation radius (min): 15 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