

Spring plunger

FSTIm M3-IG 4/2.5 L 5 IN

Part no...:10.01.02.01334

<https://www.schmalz.com/10.01.02.01334>

Home > Vacuum Technology for Automation > Vacuum Components > Mounting Elements > Spring Plungers > Spring Plungers FSTIm > FSTIm M3-IG 4/2.5 L 5 IN

Spring plunger with internal damping spring and height compensation



Suction cup connection: M3-F

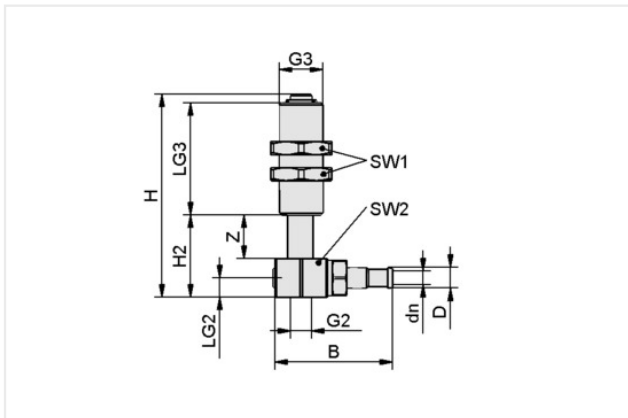
Vacuum connection: Hose 4/2.5

Shape: Lateral vacuum guide

Spring stroke Z: 5 mm

Shape mounting elements: (electrically) insulating

Design Data



Attribute	Value
B	21.50 mm
dn	1.80 mm
G2	M3-F
G3	M10x1-M
H	37 mm
H2	16 mm
LG2	5.50 mm
LG3	19 mm
SW1	14 mm
SW2	13 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

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de

Spring plunger

FSTIm M3-IG 4/2.5 L 5 IN

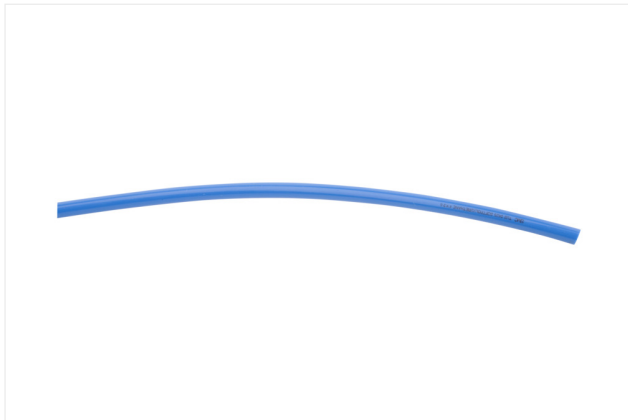
Part no.:10.01.02.01334

<https://www.schmalz.com/10.01.02.01334>

Vertical load	15 N
Horizontal load	10 N
Weight	15.50 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 2.5 MS-V

Part no.:10.08.03.00312

Thread G1: M5-M

Material: Brass

Surface: nickel plated

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de

Spring plunger

FSTIm M3-IG 4/2.5 L 5 IN

Part no...:10.01.02.01334

<https://www.schmalz.com/10.01.02.01334>



HTR-STA 47 1N D10/16 FL

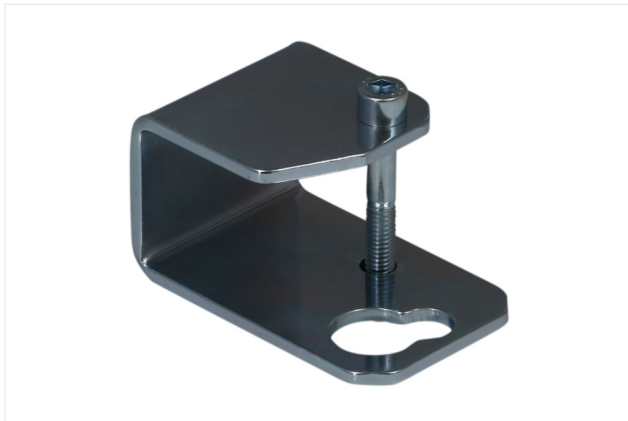
Part no...:10.08.03.00085

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

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de