

Spring plunger

FSTIm M5-IG M5-IG A 5 IN

Part no.: 10.01.02.01480

<https://www.schmalz.co.jp/10.01.02.01480>

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Spring plunger with internal damping spring and height compensation



Suction cup connection: M5-F

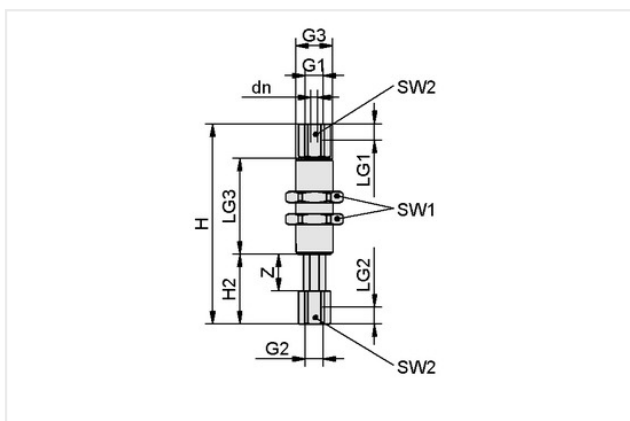
Vacuum connection: M5-F

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
Vertical load	15 N

Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | schmalz@schmalz.co.jp

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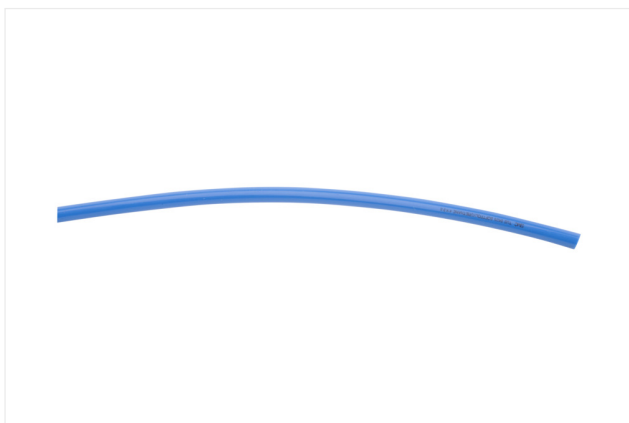
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Horizontal load	10 N
Weight	17.50 g
Operating temperature	0 ... 80 ° C
Product family	FSTIm

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-STs 30x30 D10/16 Wl

Part no.: 10.08.03.00088

Connection 1: 30x30

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

Shape: angled



HTR-STs 40x40 D10/16 Wl

Part no.: 10.08.03.00089

Connection 1: 40x40

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

Shape: angled

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