

Spring plunger

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

Part no.: 10.01.02.01259

<https://www.schmalz.co.jp/10.01.02.01259>

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Spring plunger with internal damping spring and height compensation



Suction cup connection: M3-F

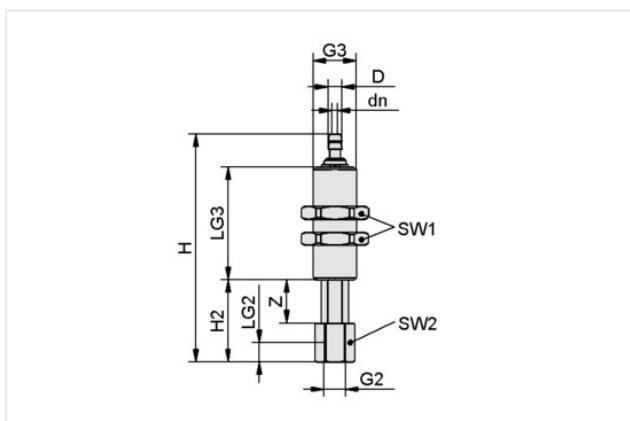
Vacuum connection: Hose 4/2.5

Shape: Axial vacuum guide

Spring stroke Z: 5 mm

Shape mounting elements: rotation lock/insulating

Design Data



Attribute	Value
dn	1.30 mm
G2	M3-F
G3	M10x1-M
H	40.70 mm
H2	14 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	rotation lock/insulating
Spring rate	0.06 N/mm
Spring pretension	0.50 N
Spring force, center	0.64 N
Vertical load	15 N
Horizontal load	10 N
Weight	14 g

Contact Schmalz

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Operating temperature

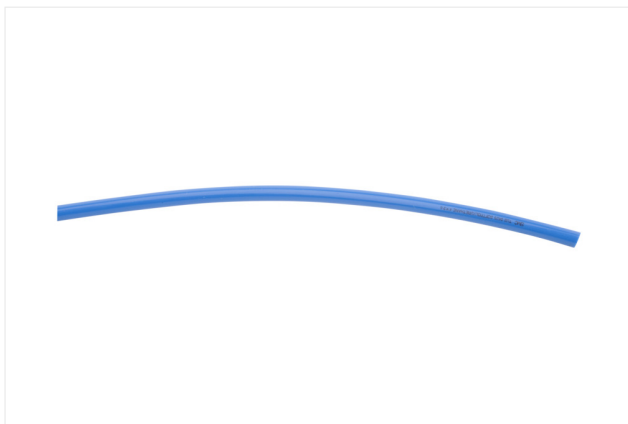
0 ... 80 ° C

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 S0

Part no.: 10.07.09.00142



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

Contact Schmalz

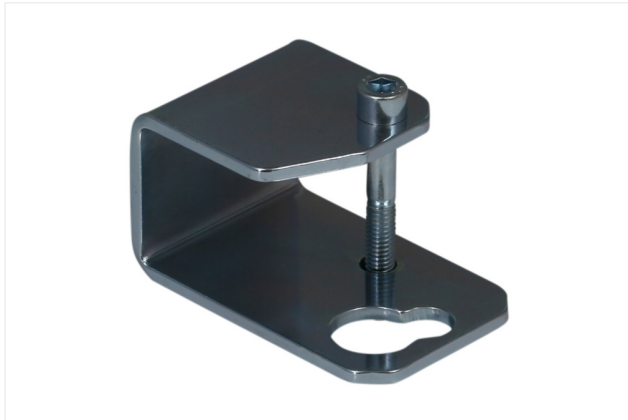
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HTR-STs 30x30 D10/16 WI

Part no.: 10.08.03.00088

Connection 1: 30x30

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

Shape: angled



HTR-STs 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