

Spring plunger

FSTIm M5-IG M5-IG A 20 VG-IN

Part no...:10.01.02.01483

<https://www.schmalz.com/10.01.02.01483>

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Spring plunger with internal damping spring and height compensation



Suction cup connection: M5-F

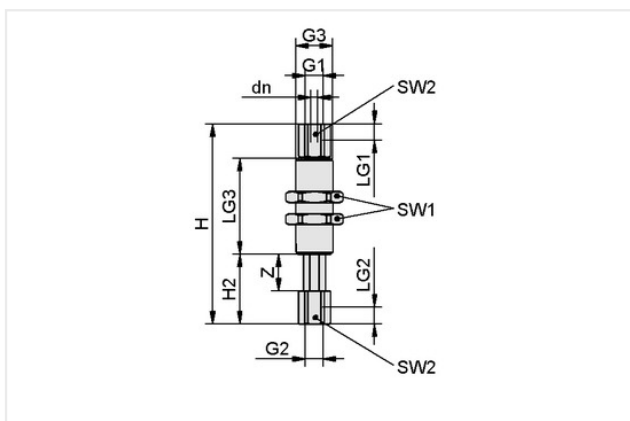
Vacuum connection: M5-F

Shape: Axial vacuum guide

Spring stroke Z: 20 mm

Shape mounting elements: rotation lock/insulating

Design Data



Attribute	Value
dn	2 mm
G1	M5-F
G2	M5-F
G3	M10x1-M
H	79.40 mm
H2	29 mm
LG1	4.50 mm
LG2	4.50 mm
LG3	41 mm
SW1	14 mm
SW2	8 mm
Z (Stroke)	20 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	0.05 N/mm
Spring pretension	0.50 N
Spring force, center	1.02 N

Contact Schmalz

Schmalz S.r.l. a Socio Unico | Via Ticino 105, 28066 Galliate (NO), Italy | +39 0321 62 15 10 | schmalz@schmalz.it

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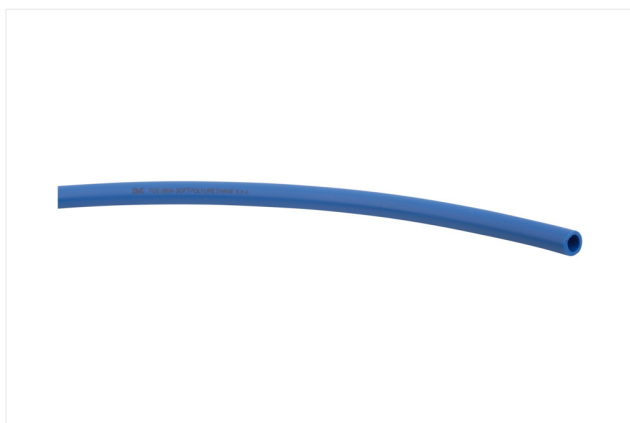
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Vertical load	15 N
Horizontal load	10 N
Weight	23.50 g
Operating temperature	0 ... 80 °C
Product family	FSTIm

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 6-4 PU BL SO

Part no.:10.07.09.00141



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-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

Product recommendations

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FSG 7 NBR-ESD-55 M5-AG

Part no...:10.01.06.04336

Size: 7

Suction cup material: Nitrile rubber NBR-ESD

Material hardness [Shore A]: 55 Shore A

Nipple material: Aluminum

Connection: M5-M

Number of folds: 2.5

Vacuum connection: M5-M



SUF 10 HT1-60 M5-AG

Part no...:10.01.01.14177

Size: 10

Suction cup material: High temperature material HT1

Material hardness [Shore A]: 60 Shore A

Vacuum connection: M5-M