Spring plunger

FSTIm M3-IG M5-IG A 5 IN

Part no..:10.01.02.01488

https://www.schmalz.com/10.01.02.01488

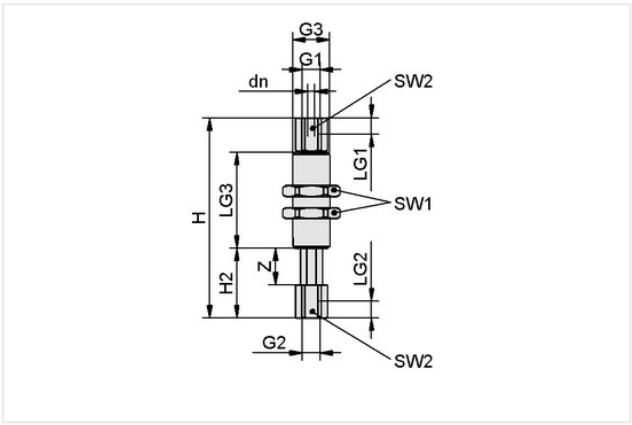
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Spring plunger with internal damping spring and height compensation



- Suction cup connection: M3-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	M3-F
G3	M10x1-M
H	42.40 mm
H2	14 mm
LG1	4.50 mm
LG2	3 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

Spring plunger

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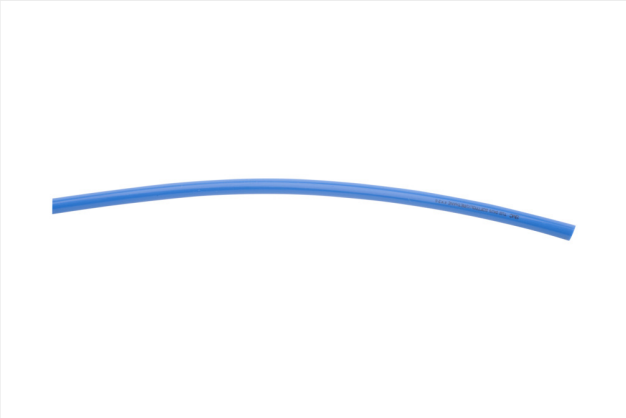
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Vertical load	15 N
Horizontal load	10 N
Weight	17.50 g
Operating temperature	0 ... 80 °C
Product family	FSTIm

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 extensionin horizontal position.

Accessories



VSL 4-2.5 PU BL SO

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

Spring plunger

FSTIm M3-IG M5-IG A 5 IN

Part no..:10.01.02.01488

https://www.schmalz.com/10.01.02.01488



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

Product recommendations



FSG 12 HT1-60 M5-AG

Part no..:10.01.06.01255

Size: 12
Suction cup material: High temperature material HT1
Material hardness [Shore A]: 60 Shore A
Nipple material: Aluminum
Connection: M5-M
Number of folds: 2.5
Vacuum connection: M5-M

Spring plunger

FSTIm M3-IG M5-IG A 5 IN

Part no..:10.01.02.01488

https://www.schmalz.com/10.01.02.01488



SGON 4x2 NBR-ESD-55 M3-AG

Part no..:10.01.05.00938

Suction cup material: Nitrile rubber NBR-ESD
Material hardness [Shore A]: 55 Shore A
Nipple material: Aluminum
Connection: M3-M



FSTIm M5-IG M5-IG A 5 VG-CO

Part no..:10.01.02.01620

Suction cup connection: M5-F
Shape: Axial vacuum guide
Spring stroke Z: 5 mm
Shape mounting elements: rotation lock /conductive

Contact Schmalz

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