

Spring plunger

FSTIm M5-IG M5-IG A 20 IN

Part no.:10.01.02.01477

<https://www.schmalz.com/10.01.02.01477>



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Spring plunger with internal damping spring and height compensation



Suction cup connection: M5-F

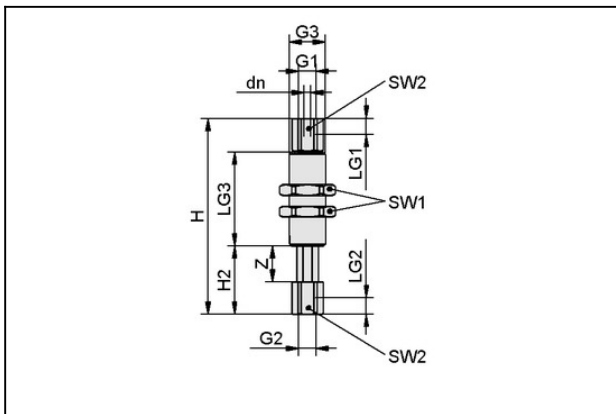
Vacuum connection: M5-F

Shape: n.d.

Spring stroke Z: 20 mm

Shape: insulating

Design Data



Attribute	Value
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dn	2 mm
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G1	M5-IG
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G2	M5-F
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G3	M10x1-M
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H	79.4 mm
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H2	29 mm
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LG1	4.5 mm
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LG2	4.5 mm
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LG3	41 mm
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SW1	14 mm
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SW2	8 mm
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Z (Stroke)	20 mm
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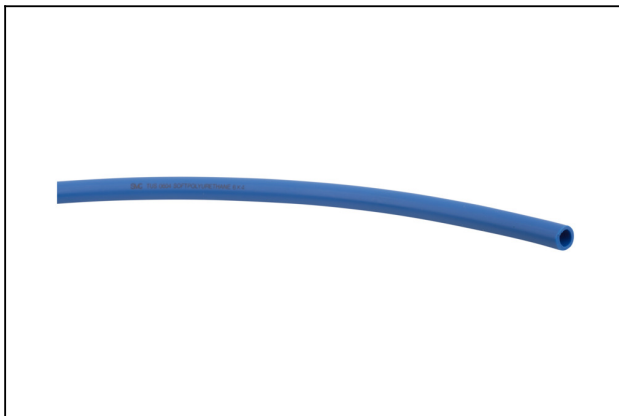


Technical Data

Attribute	Value
Spring rate	0.052 N/mm
Spring pretension	0.5 N
Spring force, center	1.02 N
Vertical load	15 N
Horizontal load	10 N
Weight	23.5 g
Operating temperature	0 ... 80 °C

Note: Spring force: Referred to 50 % of operating stroke Vertical load: 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 SO

Part no.10.07.09.00141

Hose for vacuum and compressed-air systems

External diameter D: 6 mm

Internal diameter d: 4 mm

Length (max): 50 m

Material: PU

Installation radius (min): 15 mm

Colour: blue

Pressure range (operating pressure):

-0.84 ... 6.00 bar

Ambient temperature: -25 ... 60 °C

SO: Hose in soft design

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ST M5-AG 4 MS-V

Part no.10.08.03.00311

Hose sleeve

Thread G1: M5-M

Internal hose diameter: 4 mm

Material: Brass

Surface: nickel plated



HTR-STA 47 1N D10/16 FL

Part no.10.08.03.00085

Holder for flexible mounting of suction cups/spring plungers on sections

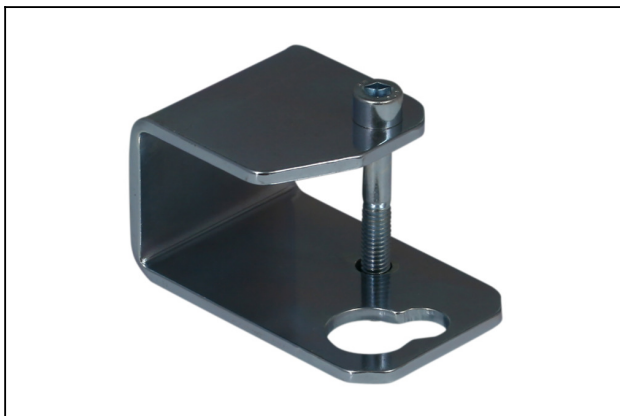
Length L: 47 mm

Cross-beam connection: Sliding block

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: flat



HTR-STs 30x30 D10/16 WI

Part no.10.08.03.00088

Holder for flexible mounting of suction cups/spring plungers on square tubes

Cross-beam connection: 30x30

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: angled

Spring plunger

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HTR-ST5 40x40 D10/16 WI

Part no.10.08.03.00089

Holder for flexible mounting of suction cups/spring plungers on square tubes

Cross-beam connection: 40x40

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: angled