

Spring plunger

FSTE M3-IG 5

Part no.:10.01.02.00613

<https://www.schmalz.com/10.01.02.00613>



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Spring plunger with damping and height compensation

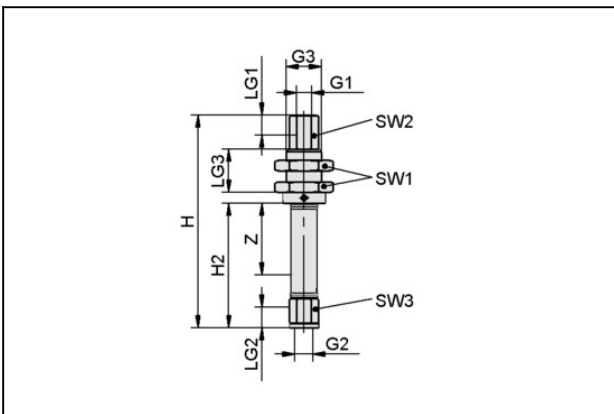


Suction cup connection: M3-F

Vacuum connection: M3-F

Spring stroke Z: 5 mm

Design Data



Attribute	Value
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G1	M3-IG
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G2	M3-F
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G3	M6x0.75-M
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H	33.5 mm
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H2	15 mm
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LG1	3.8 mm
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LG2	6 mm
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LG3	10 mm
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SW1	10 mm
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SW2	4.5 mm
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SW3	7 mm
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Z (Stroke)	5 mm
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Technical Data

Attribute	Value
Spring rate	0.596 N/mm
Spring pretension	1.49 N
Spring force, center	2.98 N
Vertical load	550 N
Horizontal load	47 N
Weight	9 g
Operating temperature	0 ... 80 °C

Note: Spring force: Referred to 50% of operating stroke Static loading: Maximum static loading
Horizontal stress: The specification of the horizontal stress 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

Spare Parts



DRUCK-FED 0.4x5 10.5 0.596

Part no.20.08.02.00093

Pressure spring

Wire size: 0.4 mm

Diameter: 5 mm

Length L: 10.5 mm

Spring rate: 0.596 N/mm

Accessories

[Contact to Schmalz](#)

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ST M3-AG 2 MS-V

Part no.10.08.03.00151

Hose sleeve

Thread G1: M3-M

Internal hose diameter: 2 mm

Material: Brass

Surface: nickel plated