

Spring plunger

FSTE M5-IG 20 VG

Part no...:10.01.02.00612

<https://www.schmalz.com/10.01.02.00612>

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Spring plunger with damping and height compensation



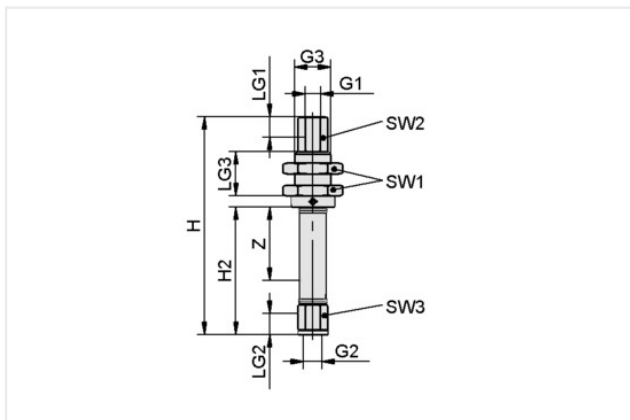
Suction cup connection: M5-F

Vacuum connection: M5-F

Spring stroke Z: 20 mm

Shape mounting elements: with anti-rotation guard

Design Data



Attribute	Value
G1	M5-F
G2	M5-F
G3	G1/8"-M
H	59.20 mm
H2	35 mm
LG1	5.50 mm
LG2	6.20 mm
LG3	12 mm
SW1	14 mm
SW2	7 mm
SW3	7 mm
Z (Stroke)	20 mm

Technical Data

Attribute	Value
Spring rate	0.21 N/mm
Spring pretension	1.78 N
Spring force, center	3.87 N
Vertical load	1500 N
Horizontal load	63 N
Weight	25 g

Contact Schmalz

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Operating temperature	0 ... 80 °C
Product family	FSTE

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

Accessories



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-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

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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



ST M5-AG 4 MS-V

Part no...:10.08.03.00152

Thread G1: M5-M

Hose diameter (rec.) d: 4 mm

Material: Brass

Surface: nickel plated

Length L: 3.3 mm

Nominal diameter dn: 2.2 mm



STV-GE M5-AG 4

Part no...:10.08.02.00200

Thread G1: M5-M

Hose diameter: 4 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 7.9 mm

Length L: 15 mm

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STV-GE M5-AG 6

Part no...:10.08.02.00201

Thread G1: M5-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 9.9 mm

Length L: 18.8 mm



STV-T M5-AG 4

Part no...:10.09.02.00038

Thread G1: M5-M

Hose diameter: 4 mm

Material: Brass

Operating temperature: °C

Length L: 34 mm



STV-W M5-AG 4

Part no...:10.08.02.00155

Thread G1: M5-M

Hose diameter: 4 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 16.4 mm

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STV-W M5-AG 6

Part no...:10.08.02.00235

Thread G1: M5-M

Hose diameter: 6 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 19.7 mm



STV-W M5-AG 6

Part no...:10.08.02.00296

Pressure range (operating pressure): bar

Length L: 20.8 mm

Height H: 13 mm

Thread G1: M5-M



STV-W M5-AG 6 HT

Part no...:10.08.02.00397

Thread G1: M5-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -50 ... 200 °C

Length L: 22.5 mm

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STV-WF M5-AG 4

Part no...:10.08.02.00165

Thread G1: M5-M

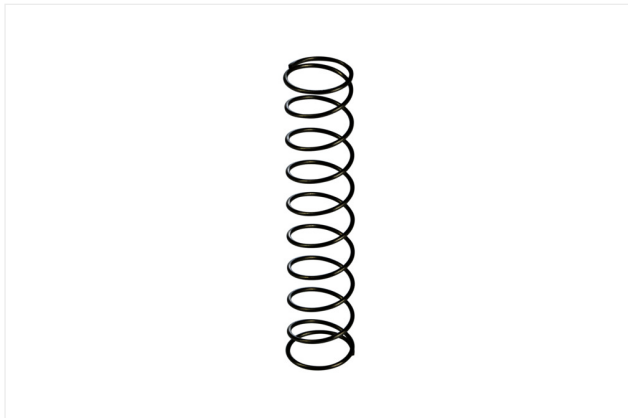
Hose diameter: 4 mm

Material: Nickel plated

Operating temperature: -10 ... 70 °C

Length L: 16.5 mm

Spare parts



DRUCK-FED 0.5x7.1 35 0.209

Part no...:20.08.02.00054

Length L: 35 mm

Spring rate: 0.209 N/mm