

## 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



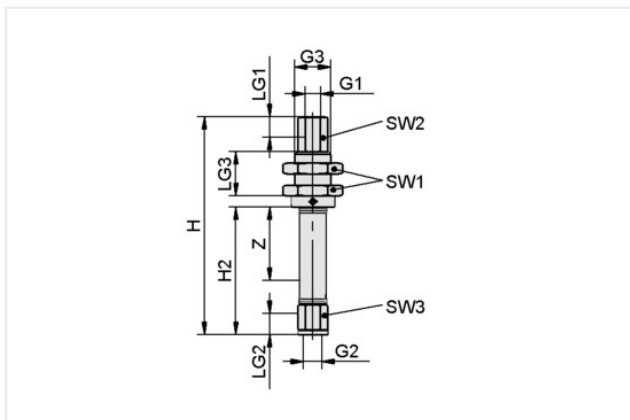
Suction cup connection: M5-F

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

Schmalz Vacuum Technology Ltd. | 14-2900 Argentia Rd, L5N 7X9 Mississauga, ON, Canada | +1 905 569 9520 | [schmalz@schmalz.ca](mailto:schmalz@schmalz.ca)

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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

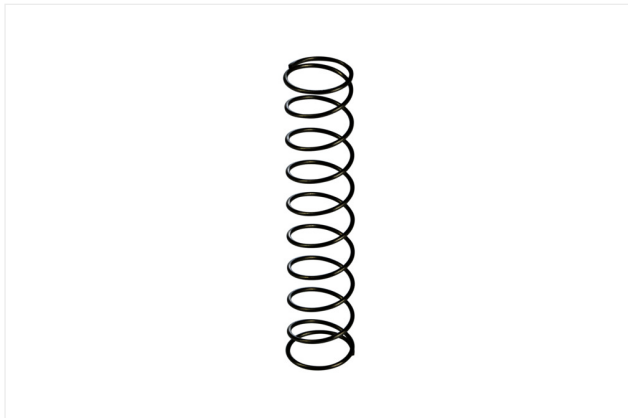
Hose diameter: 4 mm

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