

# Spring plunger

## FSTE M5-IG 20

<https://www.schmalz.com/10.01.02.00609>



Part no.: 10.01.02.00609

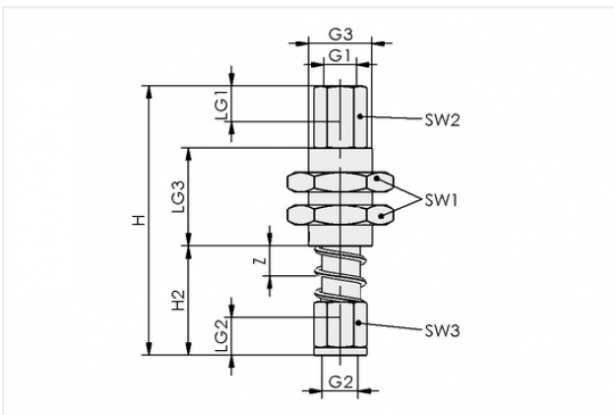
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### Spring plunger with damping and height compensation



Suction cup connection: M5-F  
 Vacuum connection: M5-F  
 Spring stroke Z: 20 mm

### Design Data



Attribute	Value
G1	M5-F
G2	M5-F
G3	G1/8"-M
H	59.2 mm
H2	35 mm
LG1	5.5 mm
LG2	6.2 mm
LG3	15 mm
SW1	14 mm
SW2	7 mm
SW3	7 mm
Z	20 mm

### Contact to Schmalz

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## Technical Data

Attribute	Value
Spring rate	0.209 N/mm
Spring pretension	1.78 N
Spring force, centre	3.87 N
Vertical load	1500 N
Horizontal load	63 N
Weight	25 g
Ambient 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

## Accessories



### 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-ST 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



**HTR-ST 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



**ST M5-AG 4 MS-V**

Part no. 10.08.03.00152

Hose sleeve

Thread 1: M5-M

Internal hose diameter: 4 mm

Material: Brass

Surface: nickel plated



**STV-GE M5-AG 4**

Part no. 10.08.02.00200

Screw plug connection, straight

Thread G1: M5-M

External hose diameter: 4 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -20 ... 80 °C



**STV-GE M5-AG 6**

Part no. 10.08.02.00201

Screw plug connection, straight

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -20 ... 80 °C



**STV-W M5-AG 4**

Part no. 10.08.02.00155

Screw plug connection, swivelling elbow

Thread G1: M5-M

External hose diameter: 4 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C



**STV-W M5-AG 6**

Part no. 10.08.02.00235

Screw plug connection, swivelling elbow

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C



**STV-GE M5-AG 6 HT**

Part no. 10.08.02.00396

Screw plug connection, straight

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT



**STV-W M5-AG 6**

Part no. 10.08.02.00296

Screw plug connection, swivelling elbow

Thread G1: M5-M

External hose diameter: 6 mm

Material: Plastic



**STV-W M5-AG 6 HT**

Part no. 10.08.02.00397

Screw plug connection, swivelling elbow

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT



**STV-WF M5-AG 4**

Part no. 10.08.02.00165

Screw plug connection, swivelling and lockable

Thread G1: M5-M

External hose diameter: 4 mm

Material: Brass, nickel-plated



**STV-T M5-AG 4**

Part no. 10.09.02.00038

Screw plug connection, T

Thread 1: M5-M

External hose diameter: 4 mm

Length: 34 mm

Material: Brass

Surface: nickel plated