

# Spring plunger

## FSTE M5-IG 10 VG

Part no.:10.01.02.00611

<https://www.schmalz.com/10.01.02.00611>

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### Spring plunger with damping and height compensation



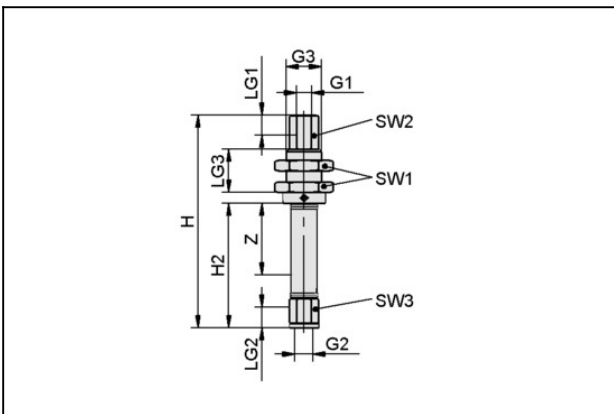
Suction cup connection: M5-F

Vacuum connection: M5-F

Spring stroke Z: 10 mm

Shape: With rotation lock

### Design Data



Attribute	Value
G1	M5-IG
G2	M5-F
G3	G1/8"-M
H	47.2 mm
H2	23 mm
LG1	5.5 mm
LG2	6.2 mm
LG3	12 mm
SW1	14 mm
SW2	7 mm
SW3	7 mm
Z (Stroke)	10 mm

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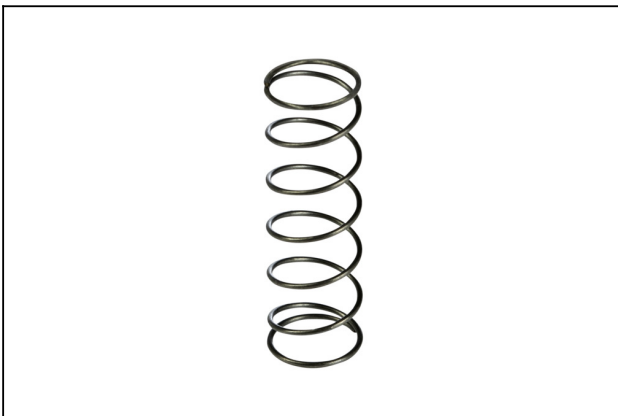


### Technical Data

Attribute	Value
Spring rate	0.323 N/mm
Spring pretension	2.75 N
Spring force, center	4.36 N
Vertical load	1,500 N
Horizontal load	97 N
Weight	19 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 0.5x7.1 23 0.323**

Part no.20.08.02.00055

Pressure spring

Wire size: 0.5 mm

Diameter: 7.1 mm

Length L: 23 mm

Spring rate: 0.323 N/mm

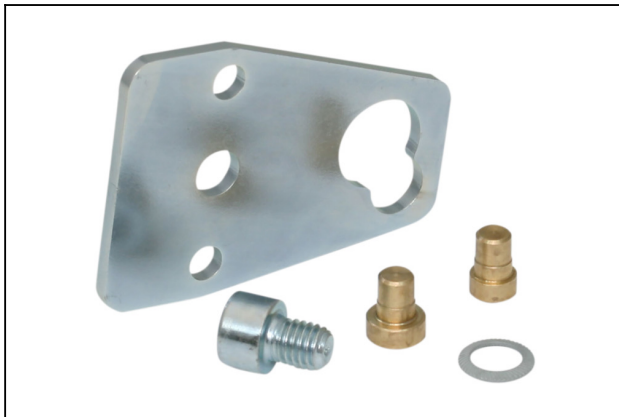
### Accessories

## Spring plunger

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### 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

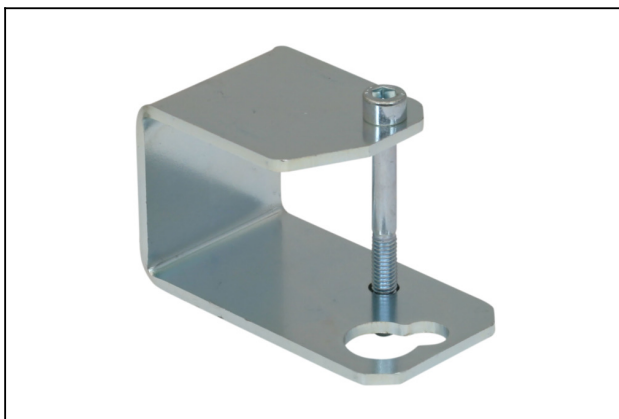
Holder for flexible mounting of suction cups/spring plungers on square tubes

Cross-beam connection: 30x30

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: angled



### HTR-STS 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

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

Part no.10.08.03.00152

Hose sleeve

Thread G1: M5-M

Internal hose diameter: 4 mm

Material: Brass

Surface: nickel plated



#### **STV-GE M5-AG 4**

Part no.10.08.02.00200

Push-in Fitting, 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

Push-in Fitting, straight

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -20 ... 80 °C

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#### STV-GE M5-AG 6 HT

Part no.10.08.02.00396

Push-in Fitting, straight

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT



#### STV-T M5-AG 4

Part no.10.09.02.00038

Push-in Fitting, T

Thread G1: M5-M

External hose diameter: 4 mm

Length L: 34 mm

Material: Brass

Surface: nickel plated



#### STV-W M5-AG 4

Part no.10.08.02.00155

Push-in Fitting, swivelling elbow

Thread G1: M5-M

External hose diameter: 4 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C

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### STV-W M5-AG 6

Part no.10.08.02.00235

Push-in Fitting, swivelling elbow

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C



### STV-W M5-AG 6

Part no.10.08.02.00296

Push-in Fitting, 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

Push-in Fitting, swivelling elbow

Thread G1: M5-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT

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### STV-WF M5-AG 4

Part no.10.08.02.00165

Push-in Fitting, swivelling and lockable

Thread G1: M5-M

External hose diameter: 4 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C

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