

## Spring plunger FSTE G1/8-AG 50 VG

Part no.:10.01.02.00606

<https://www.schmalz.com/10.01.02.00606>



Homepage > Vacuum Technology for Automation > Vacuum Components > Mounting Elements > Spring plunger > Spring Plungers FSTE >

FSTE G1/8-AG 50 VG

### Spring plunger with damping and height compensation



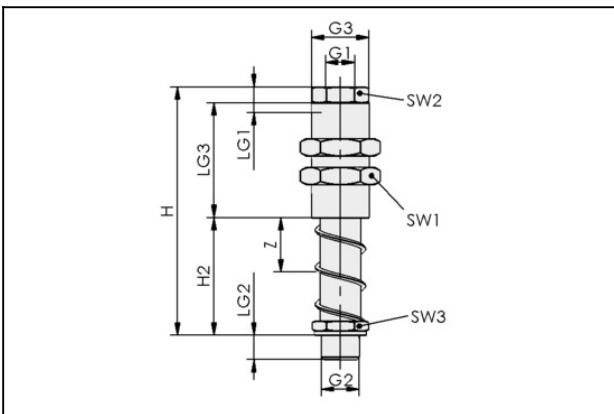
Suction cup connection: G1/8"-M

Vacuum connection: G1/8"-F

Spring stroke Z: 50 mm

Shape: With rotation lock

### Design Data



| Attribute | Value |
|-----------|-------|
|-----------|-------|

|    |          |
|----|----------|
| G1 | G1/8"-IG |
|----|----------|

|    |         |
|----|---------|
| G2 | G1/8"-M |
|----|---------|

|    |         |
|----|---------|
| G3 | M16x1-M |
|----|---------|

|   |          |
|---|----------|
| H | 117.5 mm |
|---|----------|

|    |         |
|----|---------|
| H2 | 72.5 mm |
|----|---------|

|     |      |
|-----|------|
| LG1 | 8 mm |
|-----|------|

|     |        |
|-----|--------|
| LG2 | 6.5 mm |
|-----|--------|

|     |       |
|-----|-------|
| LG3 | 30 mm |
|-----|-------|

|     |       |
|-----|-------|
| SW1 | 22 mm |
|-----|-------|

|     |       |
|-----|-------|
| SW2 | 12 mm |
|-----|-------|

|     |       |
|-----|-------|
| SW3 | 14 mm |
|-----|-------|

|            |       |
|------------|-------|
| Z (Stroke) | 50 mm |
|------------|-------|

# Spring plunger

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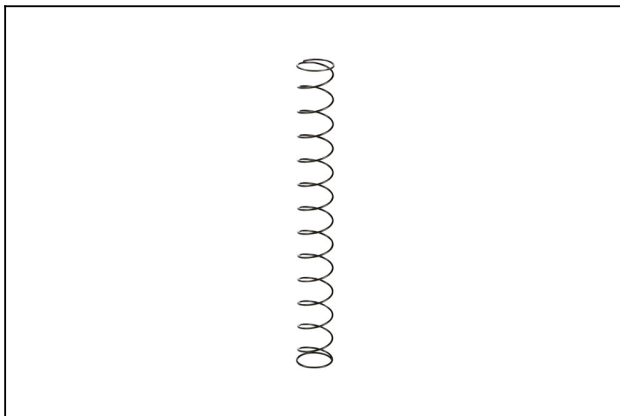


### Technical Data

| Attribute             | Value       |
|-----------------------|-------------|
| Spring rate           | 0.097 N/mm  |
| Spring pretension     | 2.92 N      |
| Spring force, center  | 5.34 N      |
| Vertical load         | 3,700 N     |
| Horizontal load       | 173 N       |
| Weight                | 110 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 0.63x10.97 98 0.097**

Part no.20.08.02.00060

Pressure spring

Wire size: 0.63 mm

Diameter: 10.97 mm

Length L: 98 mm

Spring rate: 0.097 N/mm

### Accessories

## Spring plunger FSTE G1/8-AG 50 VG

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### **KGL G1/8-IG G1/8-AG A2**

Part no.10.01.03.00109

Suction cup mounting with joint for adaptation to sloping surfaces

Thread G1: G1/8"-F

Thread G2: G1/8"-M

Height H: 26.5 mm

Material: Aust. Stainless steel



### **HTR-STA 47 1N D10/16 FL**

Part no.10.08.03.00085

Holder for flexible mounting of suction cups/spring plungers on sections

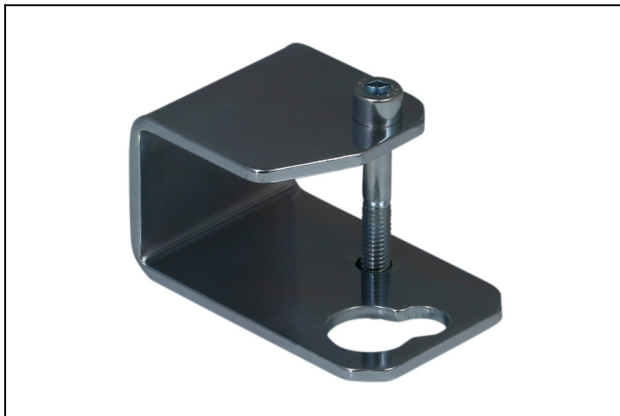
Length L: 47 mm

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

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### HTR-ST 40x40 D10/16 WI

Part no.10.08.03.00089

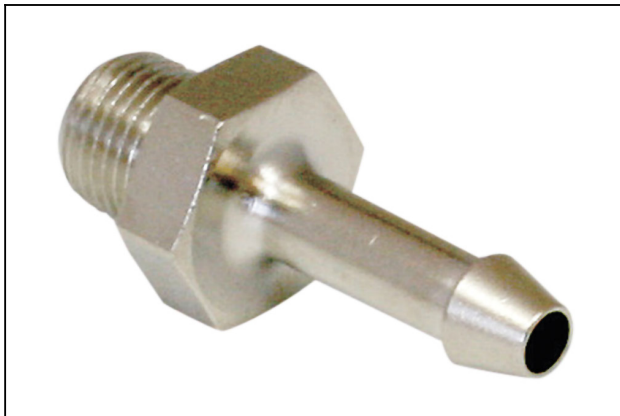
Holder for flexible mounting of suction cups/spring plungers on square tubes

Cross-beam connection: 40x40

Suction cup or spring plunger conn.:

Contour D10 and D16

Shape: angled



### ST G1/8-AG 4 MS-V

Part no.10.08.03.00153

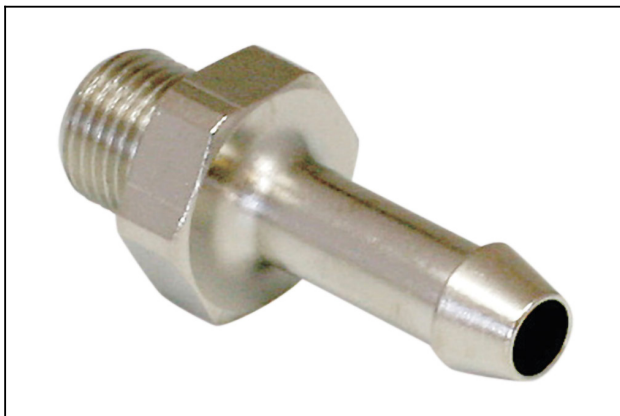
Hose sleeve

Thread G1: G1/8"-M

Internal hose diameter: 4 mm

Material: Brass

Surface: nickel plated



### ST G1/8-AG 6 MS-V

Part no.10.08.03.00154

Hose sleeve

Thread G1: G1/8"-M

Internal hose diameter: 6 mm

Material: Brass

Surface: nickel plated

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### ST G1/8-AG 9 MS-V

Part no.10.08.03.00155

Hose sleeve

Thread G1: G1/8"-M

Internal hose diameter: 9 mm

Material: Brass

Surface: nickel plated



### STV-GE G1/8-AG 4

Part no.10.08.02.00202

Push-in Fitting, straight

Thread G1: G1/8"-M

External hose diameter: 4 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -20 ... 80 °C



### STV-GE G1/8-AG 6

Part no.10.08.02.00204

Push-in Fitting, straight

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -20 ... 80 °C

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### **STV-GE G1/8-AG 8**

Part no.10.08.02.00206

Push-in Fitting, straight

Thread G1: G1/8"-M

External hose diameter: 8 mm

Material: Brass

Surface: nickel plated



### **STV-W G1/8-AG 4**

Part no.10.08.02.00156

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 4 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C



### **STV-W G1/8-AG 6**

Part no.10.08.02.00158

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C

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### STV-W G1/8-AG 8

Part no.10.08.02.00160

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 8 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C



### STV-GE G1/8-AG 6 HT

Part no.10.08.02.00389

Push-in Fitting, straight

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT



### STV-W G1/8-AG 6

Part no.10.08.02.00288

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Plastic



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### STV-W G1/8-AG 6 HT

Part no.10.08.02.00391

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT



### STV-WF G1/8-AG 4

Part no.10.08.02.00166

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 4 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C



### STV-WF G1/8-AG 6

Part no.10.08.02.00168

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C



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### **STV-WF G1/8-AG 8**

Part no.10.08.02.00170

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 8 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C



### **STV-WF G1/8-AG 10**

Part no.10.08.02.00257

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 10 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C



### **STV-T G1/8-AG 4**

Part no.10.09.02.00039

Push-in Fitting, T

Thread G1: G1/8"-M

External hose diameter: 4 mm

Length L: 32.5 mm

Material: Brass

Surface: nickel plated

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### **STV-T G1/8-AG 6**

Part no.10.09.02.00040

Push-in Fitting, T

Thread G1: G1/8"-M

External hose diameter: 6 mm

Length L: 41.5 mm

Material: Brass

Surface: nickel plated



### **STV-T G1/8-AG 8**

Part no.10.09.02.00041

Push-in Fitting, T

Thread G1: G1/8"-M

External hose diameter: 8 mm

Length L: 48.7 mm

Material: Brass

Surface: nickel plated