

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>

Home > Vacuum Technology for Automation > Vacuum Components > Mounting Elements > Spring Plungers > Spring Plungers FSTE-HD > FSTE-HD G1/8-AG 50 VG

### Spring plunger with damping and height compensation, heavy-duty



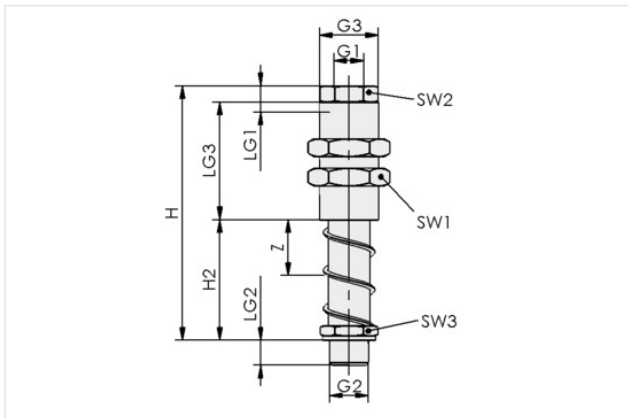
Suction cup connection: G1/8"-M

Vacuum connection: G1/8"-F

Spring stroke Z: 50 mm

Shape mounting elements: with anti-rotation guard

### Design Data



| Attribute  | Value     |
|------------|-----------|
| G1         | G1/8"-F   |
| G2         | G1/8"-M   |
| G3         | M16x1-M   |
| H          | 116.50 mm |
| H2         | 72.50 mm  |
| LG1        | 8 mm      |
| LG2        | 7.50 mm   |
| LG3        | 30 mm     |
| SW1        | 22 mm     |
| SW2        | 12 mm     |
| SW3        | 14 mm     |
| Z (Stroke) | 50 mm     |

### Technical Data

| Attribute            | Value     |
|----------------------|-----------|
| Spring rate          | 0.10 N/mm |
| Spring pretension    | 2.92 N    |
| Spring force, center | 5.34 N    |
| Vertical load        | 3700 N    |
| Horizontal load      | 173 N     |
| Weight               | 110 g     |

### Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>

|                       |             |
|-----------------------|-------------|
| Operating temperature | 0 ... 80 °C |
| Product family        | FSTE-HD     |

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



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

Part no...:10.01.03.00109

|                                 |
|---------------------------------|
| 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

|                                                                |
|----------------------------------------------------------------|
| Length L: 47 mm                                                |
| Connection 1: Sliding block                                    |
| Connection of suction cup, spring plunger: Contour D10 and D16 |
| Shape: flat                                                    |

### Contact Schmalz

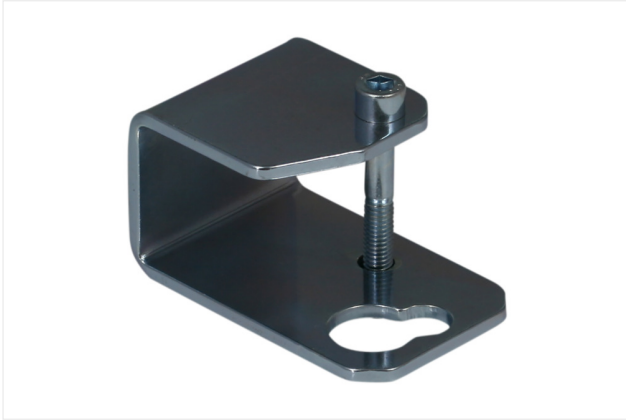
J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>



### HTR-ST5 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



### 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 G1/8-AG 4 MS-ROH

Part no...:10.08.03.00153

Thread G1: G1/8"-M

Hose diameter (rec.) d: 4 mm

Material: Brass

Surface: raw

Length L: 4 mm

Nominal diameter dn: 2.5 mm

## Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>



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

Part no...:10.08.03.00154

Thread G1: G1/8"-M

Hose diameter (rec.) d: 6 mm

Material: Brass

Surface: nickel plated

Length L: 5 mm

Nominal diameter dn: 4.4 mm



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

Part no...:10.08.03.00155

Thread G1: G1/8"-M

Hose diameter (rec.) d: 9 mm

Material: Brass

Surface: nickel plated

Length L: 5 mm

Nominal diameter dn: 4 mm



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

Part no...:10.08.02.00202

Thread G1: G1/8"-M

Hose diameter: 4 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 7.9 mm

Length L: 13.7 mm

## Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>



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

Part no...:10.08.02.00204

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 11.4 mm

Length L: 16.4 mm



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

Part no...:10.08.02.00206

Thread G1: G1/8"-M

Hose diameter: 8 mm

Material: Brass

Operating temperature: °C

External diameter D: 14 mm

Length L: 20.7 mm



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

Part no...:10.08.02.00156

Thread G1: G1/8"-M

Hose diameter: 4 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 16.4 mm

## Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>



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

Part no...:10.08.02.00158

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 20.1 mm



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

Part no...:10.08.02.00160

Thread G1: G1/8"-M

Hose diameter: 8 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 24 mm



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

Part no...:10.08.02.00389

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 120 °C

External diameter D: 11.6 mm

Length L: 19 mm

## Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>



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

Part no...:10.08.02.00288

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Plastics

Operating temperature: °C

Length L: 20.8 mm



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

Part no...:10.08.02.00391

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 120 °C

Length L: 22.5 mm



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

Part no...:10.08.02.00166

Thread G1: G1/8"-M

Hose diameter: 4 mm

Material: Nickel plated

Operating temperature: -10 ... 70 °C

Length L: 17.4 mm

## Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>



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

Part no...:10.08.02.00168

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Nickel plated

Operating temperature: -10 ... 70 °C

Length L: 21.4 mm



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

Part no...:10.08.02.00170

Thread G1: G1/8"-M

Hose diameter: 8 mm

Material: Nickel plated

Operating temperature: -10 ... 70 °C

Length L: 23.4 mm



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

Part no...:10.08.02.00257

Thread G1: G1/8"-M

Hose diameter: 10 mm

Material: Nickel plated

Operating temperature: -10 ... 70 °C

Length L: 25.2 mm

## Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Spring plunger

FSTE-HD G1/8-AG 50 VG

Part no...:10.01.02.00874

<https://www.schmalz.com/10.01.02.00874>



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

Part no...:10.09.02.00039

Thread G1: G1/8"-M

Hose diameter: 4 mm

Material: Brass

Operating temperature: °C

Length L: 32.5 mm



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

Part no...:10.09.02.00040

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: °C

Length L: 41.5 mm



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

Part no...:10.09.02.00041

Thread G1: G1/8"-M

Hose diameter: 8 mm

Material: Brass

Operating temperature: °C

Length L: 48.7 mm

## Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)