

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>

Home > Vacuum Technology for Automation > Vacuum Components > Mounting Elements > Spring Plungers > Spring Plungers FSTA-HD > FSTA-HD G1/4-AG 25

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



Suction cup connection: G1/4"-M

Vacuum connection: G1/8"-F

Spring stroke Z: 25 mm

### Design Data



| Attribute  | Value     |
|------------|-----------|
| G1         | G1/8"-F   |
| G2         | G1/4"-M   |
| G3         | M20x1.5-M |
| H          | 114.50 mm |
| H2         | 37.50 mm  |
| LG1        | 12 mm     |
| LG2        | 8.50 mm   |
| LG3        | 40 mm     |
| SW1        | 24 mm     |
| SW2        | 17 mm     |
| SW3        | 17 mm     |
| Z (Stroke) | 25 mm     |

### Technical Data

| Attribute            | Value     |
|----------------------|-----------|
| Spring rate          | 0.71 N/mm |
| Spring pretension    | 8.95 N    |
| Spring force, center | 17.80 N   |
| Vertical load        | 2400 N    |
| Horizontal load      | 800 N     |
| Weight               | 185 g     |

### Contact Schmalz

OOO Schmalz | Mozhayskoe highway 165, bldg1, 121596 Moscow, Russia | +7 495 9671248 | [post@ruschmalz.ru](mailto:post@ruschmalz.ru)

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>

|                       |             |
|-----------------------|-------------|
| Operating temperature | 0 ... 80 °C |
| Product family        | FSTA-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



#### FLK G1/4-IG G1/4-AG

Part no...:10.01.03.00178

Thread G1: G1/4"-F

Thread G2: G1/4"-M

Operating temperature: 0 ... 70 °C



#### KGL G1/4-IG G1/4-AG

Part no...:10.01.03.00110

Thread G1: G1/4"-F

Thread G2: G1/4"-M

Height H: 37.5 mm

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



**KGL G1/4-IG M10x1.25-AG**

Part no...:10.01.03.00137

Thread G1: G1/4"-F

Thread G2: M10x1.25-M

Height H: 37.5 mm



**FLK G1/4-IG M10x1.25-AG**

Part no...:10.01.03.00206

Thread G1: G1/4"-F

Thread G2: M10x1.25-M

Operating temperature: 0 ... 70 °C



**HTR-STA 55 1N D20 WI**

Part no...:10.08.03.00086

Length L: 55 mm

Connection 1: Sliding block

Connection of suction cup, spring plunger: Contour D20-G1/4

Shape: angled

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



### HTR-UNI 2N FSTE-HDB

Part no...:10.01.03.00332

Operating temperature: °C

Shape: for FSTE-HDB

Cross-beam connection: 2 T-slots



### 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



### 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

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



### 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



### 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

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



### 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



### 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

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



### 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



### 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

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



### 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



### 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

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



### 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



### 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

## Spring plunger

FSTA-HD G1/4-AG 25

Part no...:10.01.02.00777

<https://www.schmalz.ru/10.01.02.00777>



### 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