# Spring plunger

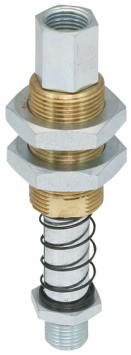
FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605

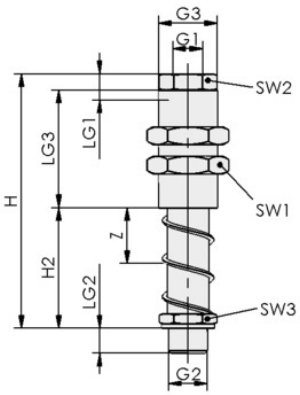


## Spring plunger with damping and height compensation



- Suction cup connection: G1/8"-M
- Vacuum connection: G1/8"-F
- Spring stroke Z: 15 mm
- Shape mounting elements: with anti-rotation guard

## Design Data




| Attribute | Value |
|---|---|
| G1 | G1/8"-F |
| G2 | G1/8"-M |
| G3 | M16x1-M |
| H | 72.50 mm |
| H2 | 28.50 mm |
| LG1 | 8 mm |
| LG2 | 7.50 mm |
| LG3 | 30 mm |
| SW1 | 22 mm |
| SW2 | 12 mm |
| SW3 | 14 mm |
| Z (Stroke) | 15 mm |

## Technical Data

| Attribute | Value |
|---|---|
| Spring rate | 0.22 N/mm |
| Spring pretension | 3.53 N |
| Spring force, center | 5.19 N |
| Vertical load | 3700 N |
| Horizontal load | 385 N |
| Weight | 80 g |

Contact Schmalz

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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

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

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 |

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# Spring plunger

FSTE G1/8-AG 15 VG

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**HTR-STS 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-STS 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

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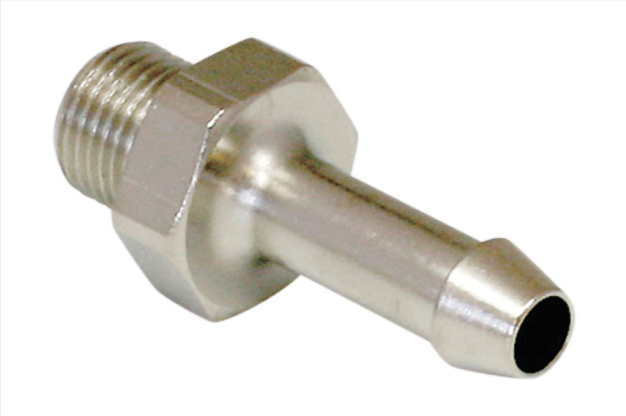
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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605



**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

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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605



**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

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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605



**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

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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605



**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

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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605



**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

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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605



**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 |

## Spare parts

Contact Schmalz

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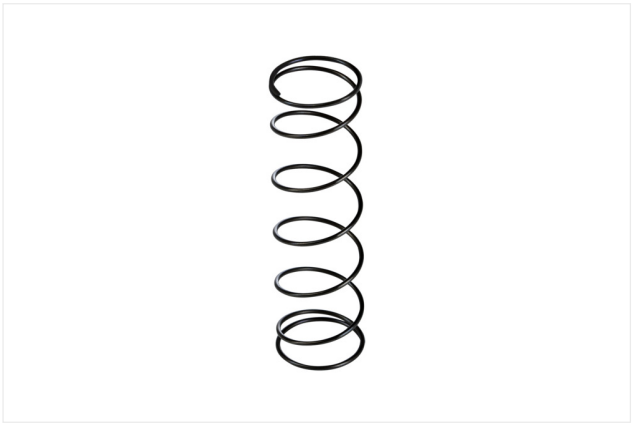
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# Spring plunger

FSTE G1/8-AG 15 VG

Part no..:10.01.02.00605

https://www.schmalz.com/10.01.02.00605



**DRUCK-FED 0.63x10.97 40 0.221**

Part no..:20.08.02.00056

Length L: 40 mm

Spring rate: 0.221 N/mm

Contact Schmalz

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