

# Spring plungers

## FSTE-HDB G1/8-AG 25 VG-AB

<https://www.schmalz.com/10.01.02.01438>



Part no.: 10.01.02.01438

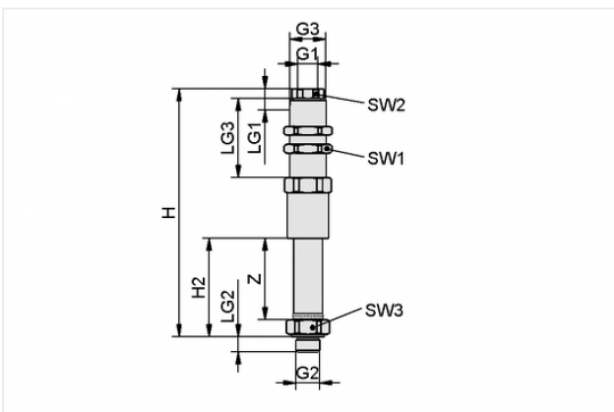
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### Spring plunger with damping and height compensation, heavy-duty and ball guided anti-rotation guard



Suction cup connection: G1/8-M  
 Vacuum connection: G1/8-F  
 Spring stroke Z: 25 mm  
 Shape: Rotation lock anti-Block

#### Design Data



Attribute	Value
G1	G1/8"-F
G2	G1/8"-M
G3	M16x1-M
H	105.5 mm
H2	32.5 mm
LG1	7 mm
LG2	8.5 mm
LG3	34 mm
SW1	22 mm
SW2	12 mm
SW3	19 mm
Z	25 mm

#### Contact to Schmalz

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## Technical Data

Attribute	Value
Shape	Rotation lock anti-Block
Spring rate	0.143 N/mm
Spring pretension	3.72 N
Spring force, centre	5.51 N
Vertical load	3700 N
Horizontal load	283 N
Weight	137 g
Ambient temperature	0 ... 80 °C

### Note:

- Spring force: Referred to 50 % of operating stroke
- Vertical load: Maximum static loading
- Horizontal load: The specification of the horizontal load 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



### HTR-UNI 2N FSTE-HDB

Part no. 10.01.03.00332

Universal holder for adjustable mounting of suction cups

Cross-beam connection:

2 Sliding blocks

Shape: for FSTE-HDB



**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 1: G1/8-F

Thread 2: G1/8-M

Height: 26.5 mm

Material: 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



**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



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

Part no. 10.08.03.00153

Hose sleeve

Thread 1: 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 1: G1/8-M

Internal hose diameter: 6 mm

Material: Brass

Surface: nickel plated



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

Part no. 10.08.03.00155

Hose sleeve

Thread 1: 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

Screw plug connection, 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

Screw plug connection, straight

Thread G1: G1/8-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -20 ... 80 °C



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

Part no. 10.08.02.00206

Screw plug connection, 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

Screw plug connection, 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

Screw plug connection, swivelling elbow

Thread G1: G1/8-M

External hose diameter: 6 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C



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

Part no. 10.08.02.00160

Screw plug connection, 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

Screw plug connection, 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

Screw plug connection, swivelling elbow

Thread G1: G1/8-M

External hose diameter: 6 mm

Material: Plastic



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

Part no. 10.08.02.00391

Screw plug connection, 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

Screw plug connection, swivelling and lockable

Thread G1: G1/8-M

External hose diameter: 4 mm

Material: Brass, nickel-plated



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

Part no. 10.08.02.00168

Screw plug connection, swivelling and lockable

Thread G1: G1/8-M

External hose diameter: 6 mm

Material: Brass, nickel-plated





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

Part no. 10.08.02.00170

Screw plug connection, swivelling and lockable

Thread G1: G1/8-M

External hose diameter: 8 mm

Material: Brass, nickel-plated



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

Part no. 10.08.02.00257

Screw plug connection, swivelling and lockable

Thread G1: G1/8-M

External hose diameter: 10 mm

Material: Brass, nickel-plated



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

Part no. 10.09.02.00039

Screw plug connection, T

Thread 1: G1/8-M

External hose diameter: 4 mm

Length: 32.5 mm

Material: Brass

Surface: nickel plated



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

Part no. 10.09.02.00040

Screw plug connection, T

Thread 1: G1/8-M

External hose diameter: 6 mm

Length: 41.5 mm

Material: Brass

Surface: nickel plated



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

Part no. 10.09.02.00041

Screw plug connection, T

Thread 1: G1/8-M

External hose diameter: 8 mm

Length: 48.7 mm

Material: Brass

Surface: nickel plated