

# Spring plunger

## FSTI G3/8-AG G1/8-AG 50

<https://www.schmalz.com/10.01.02.00996>



Part no.: 10.01.02.00996

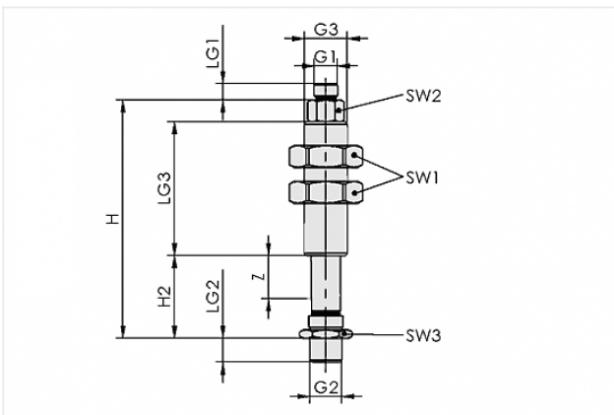
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### Spring plunger with internal damping spring and height compensation



Suction cup connection: G3/8-M  
 Vacuum connection: G1/8-M  
 Spring stroke Z: 50 mm

### Design Data



Attribute	Value
G1	G1/8"-M
G2	G3/8"-M
G3	M18x1.5-M
H	163 mm
H2	54 mm
LG1	6.5 mm
LG2	8 mm
LG3	91 mm
SW1	27 mm
SW2	13 mm
SW3	19 mm
Z	50 mm

### Contact to Schmalz

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

## Technical Data

Attribute	Value
Spring rate	0.097 N/mm
Spring pretension	2.3 N
Spring force, centre	4.7 N
Vertical load	1000 N
Horizontal load	700 N
Weight	230 g
Ambient 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

## Accessories



### RED-STK G1/2-AG G3/8-IG MS-V

Part no. 10.08.04.00096

Reduction piece with hexagon

Thread G1: G1/2-M

Thread G2: G3/8-F

Length L: 6 mm

Material: Brass

Surface: nickel plated



**HTR-FST A2 FSTI**

Part no. 10.01.03.06134

Holder for continuous adjustment of spring plungers

Cross-beam connection:

Bolt adapter A2

Spring plunger mounting: M18x1.5-F  
for: Spring plungers



**HTR-FST A3 FSTI**

Part no. 10.01.03.06136

Holder for continuous adjustment of spring plungers

Cross-beam connection:

Ball head 28.5 mm

Spring plunger mounting: M18x1.5-F  
for: Spring plungers



**HTR-FST 2N**

Part no. 10.01.03.06143

Holder for continuous adjustment of spring plungers

Cross-beam connection:

2 Sliding blocks

Spring plunger mounting: M18x1.5-F



**HTR-UNI 2N FSTI**

Part no. 10.01.03.00297

Universal holder for adjustable mounting of suction pads

Cross-beam connection:

2 Sliding blocks

Shape: for FSTI



**STVI-GE G1/8-IG 4**

Part no. 10.08.02.00149

Screw plug connection, straight

Thread 1: G1/8-F

External hose diameter: 4 mm

Material: Brass

Surface: nickel plated



**STVI-GE G1/8-IG 6**

Part no. 10.08.02.00150

Screw plug connection, straight

Thread 1: G1/8-F

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated



**STVI-GE G1/8-IG 8**

Part no. 10.08.02.00151

Screw plug connection, straight

Thread 1: G1/8-F

External hose diameter: 8 mm

Material: Brass

Surface: nickel plated