

# Spring plunger

## FSTI G1/4-AG G1/8-AG 10 VG

<https://www.schmalz.com/10.01.02.00865>



Part no.: 10.01.02.00865

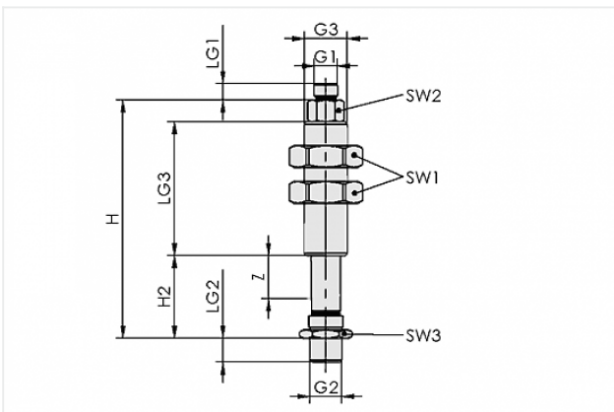
Homepage > Vacuum Technology for Automation > Vacuum Components > Mounting Elements > Spring plungers > Spring Plungers FSTI > FSTI G1/4-AG G1/8-AG 10 VG

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



Suction cup connection: G1/4-M  
 Vacuum connection: G1/8-M  
 Spring stroke Z: 10 mm  
 Shape: With rotation lock

### Design Data



Attribute	Value
G1	G1/8"-M
G2	G1/4"-M
G3	M18x1.5-M
H	71 mm
H2	21 mm
LG1	6.5 mm
LG2	10 mm
LG3	41 mm
SW1	27 mm
SW2	13 mm
SW3	17 mm
Z	10 mm

### Contact to Schmalz

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## Technical Data

Attribute	Value
Spring rate	0.097 N/mm
Spring pretension	7.08 N
Spring force, centre	7.57 N
Vertical load	1000 N
Horizontal load	500 N
Weight	150 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



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

Part no. 10.01.03.00178

Flexible suction cup mounting for adaptation to sloping surfaces

Thread G1: G1/4-F

Thread G2: G1/4-M

Ambient temperature: 0 ... 70 °C



**KGL G1/4-IG G1/4-AG**

Part no. 10.01.03.00110

Suction cup mounting with joint for adaptation to sloping surfaces

Thread 1: G1/4-F

Thread 2: G1/4-M

Height: 37.5 mm



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

Part no. 10.01.03.00137

Suction cup mounting with joint for adaptation to sloping surfaces

Thread 1: G1/4-F

Thread 2: M10x1.25-M

Height: 37.5 mm



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

Part no. 10.01.03.00206

Flexible suction cup mounting for adaptation to sloping surfaces

Thread G1: G1/4-F

Thread G2: M10x1.25-M

Ambient temperature: 0 ... 70 °C



**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