

Spring plunger

FSTI G1/4-AG G1/8-AG 50 VG

Part no...:10.01.02.00993

<https://www.schmalz.com/10.01.02.00993>

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Spring plunger with internal damping spring and height compensation



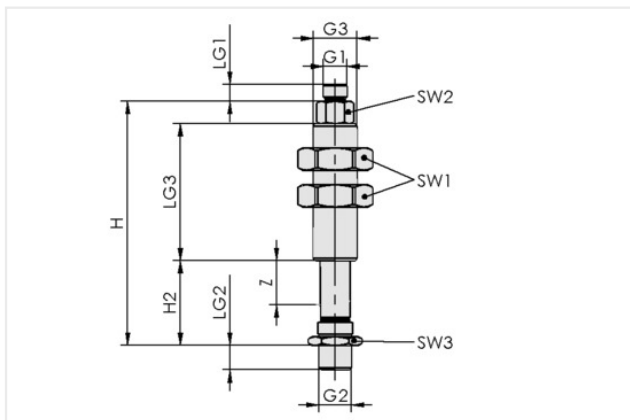
Suction cup connection: G1/4"-M

Vacuum connection: G1/8"-M

Spring stroke Z: 50 mm

Shape mounting elements: with anti-rotation guard

Design Data



Attribute	Value
G1	G1/8"-M
G2	G1/4"-M
G3	M18x1.5-M
H	163 mm
H2	59 mm
LG1	6.50 mm
LG2	8 mm
LG3	91 mm
SW1	27 mm
SW2	13 mm
SW3	17 mm
Z (Stroke)	50 mm

Technical Data

Attribute	Value
Spring rate	0.10 N/mm
Spring pretension	2.30 N
Spring force, center	4.70 N
Vertical load	1000 N
Horizontal load	500 N
Weight	230 g

Contact Schmalz

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Operating temperature	0 ... 80 °C
Product family	FSTI

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



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

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HTR-FST A2 FSTI

Part no...:10.01.03.06134

Cross-beam connection: Bolt adapter A2

Thread G1: M18x1.5-IG

Construction use: Spring plunger



HTR-FST A3 FSTI

Part no...:10.01.03.06136

Cross-beam connection: Ball head 28.5 mm

Thread G1: M18x1.5-IG

Construction use: Spring plunger



HTR-FST 2N

Part no...:10.01.03.06143

Cross-beam connection: 2 T-slots

Thread G1: M18x1.5-IG

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HTR-UNI 2N FSTI

Part no...:10.01.03.00297

Operating temperature: °C

Shape: for FSTI

Cross-beam connection: 2 T-slots



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



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

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STVI-GE G1/8-IG 4

Part no...:10.08.02.00149

Thread G1: G1/8"-F

Hose diameter: 4 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 8.5 mm

Length L: 23.5 mm



STVI-GE G1/8-IG 6

Part no...:10.08.02.00150

Thread G1: G1/8"-F

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 11.5 mm

Length L: 26.5 mm



STVI-GE G1/8-IG 8

Part no...:10.08.02.00151

Thread G1: G1/8"-F

Hose diameter: 8 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 14.5 mm

Length L: 29.5 mm

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