

Spring plunger

FSTI G1/4-AG G1/8-IG 25

Part no...:10.01.02.00870

<https://www.schmalz.com/10.01.02.00870>

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Spring plunger with internal damping spring and height compensation

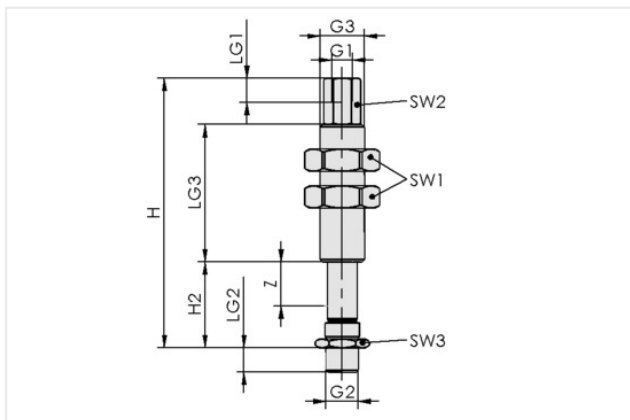


Suction cup connection: G1/4"-M

Vacuum connection: G1/8"-F

Spring stroke Z: 25 mm

Design Data



Attribute	Value
G1	G1/8"-F
G2	G1/4"-M
G3	M18x1.5-M
H	109.50 mm
H2	34.50 mm
LG1	12 mm
LG2	10 mm
LG3	56 mm
SW1	27 mm
SW2	13 mm
SW3	17 mm
Z (Stroke)	25 mm

Technical Data

Attribute	Value
Spring rate	0.10 N/mm
Spring pretension	5.63 N
Spring force, center	6.84 N
Vertical load	1000 N
Horizontal load	700 N
Weight	180 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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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



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

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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



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 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

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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-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

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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



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



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

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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-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

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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



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



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

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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