

Spring plunger

FSTE G1/4-AG 50

Part no.:10.01.02.00568

<https://www.schmalz.com/10.01.02.00568>



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Spring plunger with damping and height compensation

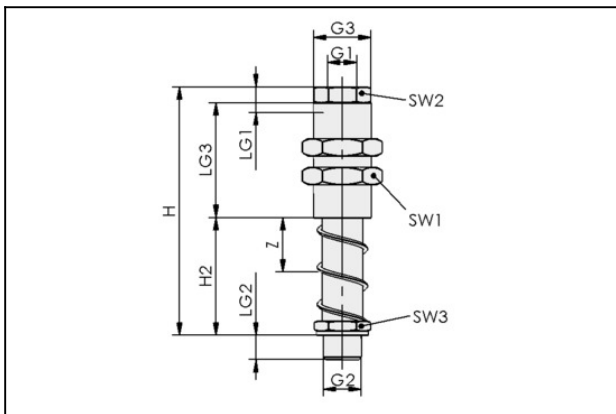


Suction cup connection: G1/4"-M

Vacuum connection: G1/8"-F

Spring stroke Z: 50 mm

Design Data



Attribute	Value
G1	G1/8"-IG
G2	G1/4"-M
G3	M20x1.5-M
H	115.5 mm
H2	70 mm
LG1	13 mm
LG2	8.5 mm
LG3	40 mm
SW1	24 mm
SW2	17 mm
SW3	17 mm
Z (Stroke)	50 mm

Spring plunger

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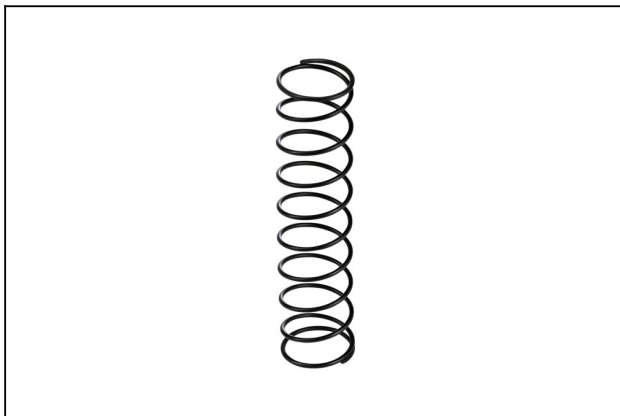


Technical Data

Attribute	Value
Spring rate	0.452 N/mm
Spring pretension	1.4 N
Spring force, center	12.7 N
Vertical load	2,400 N
Horizontal load	466 N
Weight	175 g
Operating 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

Spare Parts



DRUCK-FED 1.1x15.7 68.08 0.453

Part no.20.08.02.00231

Pressure spring

Wire size: 1.1 mm

Diameter: 15.7 mm

Length L: 68.08 mm

Spring rate: 0.453 N/mm

Accessories

Spring plunger

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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 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

Suction cup mounting with joint for adaptation to sloping surfaces

Thread G1: G1/4"-F

Thread G2: M10x1.25-M

Height H: 37.5 mm

Spring plunger

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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-STA 55 1N D20 WI

Part no.10.08.03.00086

Holder for flexible mounting of suction cups/spring plungers on sections

Length L: 55 mm

Cross-beam connection: Sliding block

Suction cup or spring plunger conn.:

Contour D20-G1/4

Shape: angled



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

Spring plunger

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ST G1/8-AG 4 MS-V

Part no.10.08.03.00153

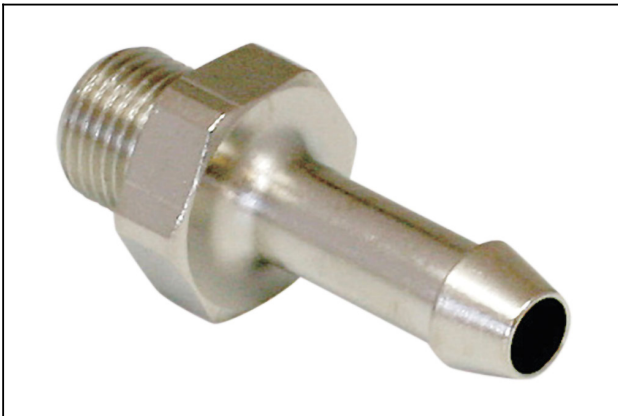
Hose sleeve

Thread G1: 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 G1: 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 G1: G1/8"-M

Internal hose diameter: 9 mm

Material: Brass

Surface: nickel plated

Spring plunger

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STV-GE G1/8-AG 4

Part no.10.08.02.00202

Push-in Fitting, 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

Push-in Fitting, 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

Push-in Fitting, straight

Thread G1: G1/8"-M

External hose diameter: 8 mm

Material: Brass

Surface: nickel plated

Spring plunger

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STV-W G1/8-AG 4

Part no.10.08.02.00156

Push-in Fitting, 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

Push-in Fitting, 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

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 8 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C

Spring plunger

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STV-GE G1/8-AG 6 HT

Part no.10.08.02.00389

Push-in Fitting, 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

Push-in Fitting, 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

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT

Spring plunger

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STV-WF G1/8-AG 4

Part no.10.08.02.00166

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 4 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C



STV-WF G1/8-AG 6

Part no.10.08.02.00168

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C



STV-WF G1/8-AG 8

Part no.10.08.02.00170

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 8 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C

Spring plunger

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STV-WF G1/8-AG 10

Part no.10.08.02.00257

Push-in Fitting, swivelling and lockable

Thread G1: G1/8"-M

External hose diameter: 10 mm

Material: Brass, nickel-plated

Ambient temperature: -10 ... 70 °C



STV-T G1/8-AG 4

Part no.10.09.02.00039

Push-in Fitting, T

Thread G1: G1/8"-M

External hose diameter: 4 mm

Length L: 32.5 mm

Material: Brass

Surface: nickel plated



STV-T G1/8-AG 6

Part no.10.09.02.00040

Push-in Fitting, T

Thread G1: G1/8"-M

External hose diameter: 6 mm

Length L: 41.5 mm

Material: Brass

Surface: nickel plated

Spring plunger

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STV-T G1/8-AG 8

Part no.10.09.02.00041

Push-in Fitting, T

Thread G1: G1/8"-M

External hose diameter: 8 mm

Length L: 48.7 mm

Material: Brass

Surface: nickel plated