Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

https://www.schmalz.com/10.01.02.00568

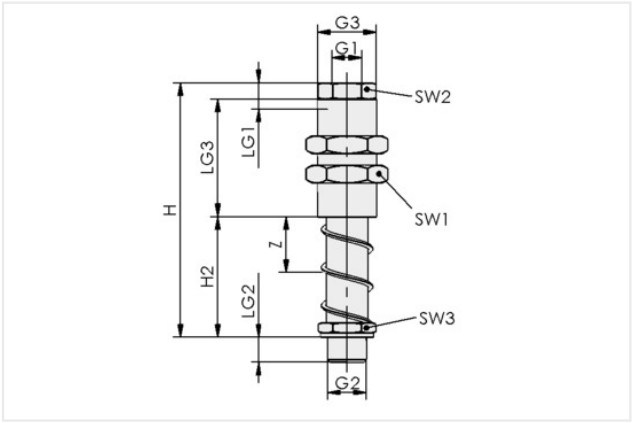
Home > Vacuum Technology for Automation > Vacuum Components > Mounting Elements > Spring Plungers > Spring Plungers FSTE > FSTE G1/4-AG 50

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"-F
G2	G1/4"-M
G3	M20x1.5-M
H	115.50 mm
H2	70 mm
LG1	13 mm
LG2	8.50 mm
LG3	40 mm
SW1	24 mm
SW2	17 mm
SW3	17 mm
Z (Stroke)	50 mm

Technical Data

Attribute	Value
Spring rate	0.45 N/mm
Spring pretension	1.40 N
Spring force, center	12.70 N
Vertical load	2400 N
Horizontal load	466 N
Weight	175 g

Spring plunger

FSTE G1/4-AG 50

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

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



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

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

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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



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



HTR-STA 55 1N D20 WI

Part no..:10.08.03.00086

Length L: 55 mm
Connection 1: Sliding block
Connection of suction cup, spring plunger: Contour D20-G1/4
Shape: angled

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

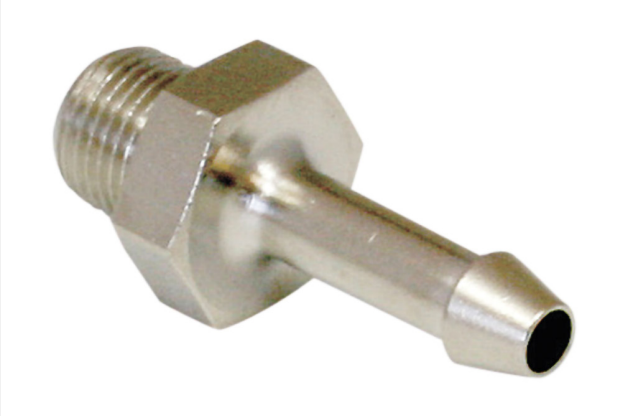
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HTR-UNI 2N FSTE-HDB

Part no..:10.01.03.00332

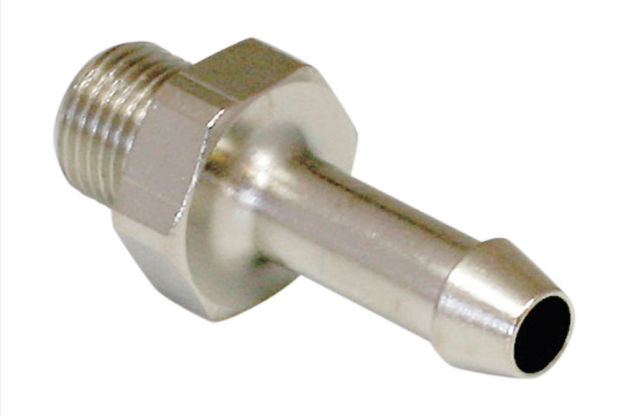
Operating temperature: °C
Shape: for FSTE-HDB
Cross-beam connection: 2 T-slots



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

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

https://www.schmalz.com/10.01.02.00568



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



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

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

https://www.schmalz.com/10.01.02.00568



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-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

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

https://www.schmalz.com/10.01.02.00568



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



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



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

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

https://www.schmalz.com/10.01.02.00568



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-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

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

https://www.schmalz.com/10.01.02.00568



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



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-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

Spring plunger

FSTE G1/4-AG 50

Part no..:10.01.02.00568

https://www.schmalz.com/10.01.02.00568



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

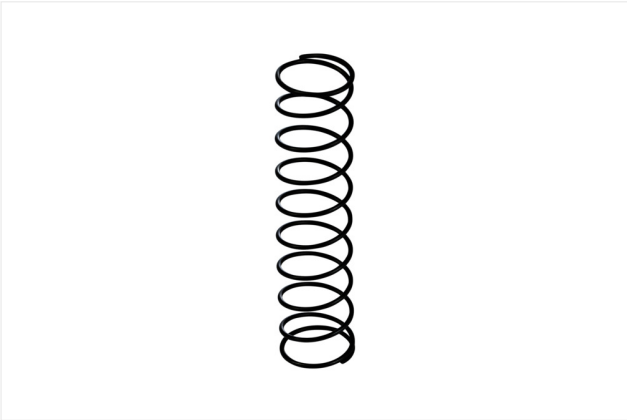


STV-T G1/8-AG 8

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

Spare parts



DRUCK-FED 1.1x15.7 68.08 0.453

Part no..:20.08.02.00231

Length L: 68.08 mm
Spring rate: 0.453 N/mm