

Spring plungers

FSTE-HDB G1/2-AG 25 VG-AB

Part no.:10.01.02.01440

<https://www.schmalz.com/10.01.02.01440>

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Spring plunger with damping and height compensation, heavy-duty and ball guided anti-rotation guard



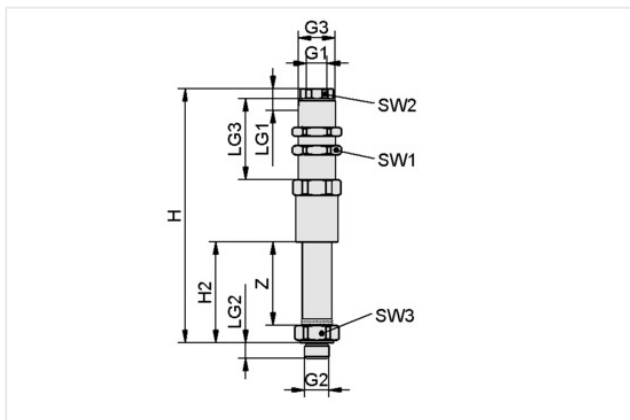
Suction cup connection: G1/2"-M

Vacuum connection: G3/8"-F

Spring stroke Z: 25 mm

Shape mounting elements: with anti-rotation guard anti-block

Design Data



Attribute	Value
G1	G3/8"-F
G2	G1/2"-M
G3	M30x1.5-M
H	136,30 mm
H2	36,80 mm
LG1	16 mm
LG2	10,50 mm
LG3	50 mm
SW1	36 mm
SW2	24 mm
SW3	32 mm
Z (Stroke)	25 mm

Recommendation: Avoid maximum plunger stroke Z during continuous operation to extend service life Ensure that the hose guide is free from distortion

Technical Data

Attribute	Value
Shape mounting elements	with anti-rotation guard anti-block
Spring rate	3,83 N/mm
Spring pretension	4,60 N
Spring force, center	52,50 N

Contact Schmalz

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Vertical load	4900 N
Horizontal load	1870 N
Weight	590 g
Operating temperature	0 ... 80 °C
Product family	FSTE-HDB

Note: Spring force: Referred to 50 % of operating stroke Vertical load: Maximum static loading Horizontal load: The specification of the horizontal load 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



HTR-UNI 2N FSTE-HDB

Part no.:10.01.03.00332

Operating temperature: °C

Shape: for FSTE-HDB

Cross-beam connection: 2 T-slots



FLK G1/2-IG G1/2-AG

Part no.:10.01.03.00175

Thread G1: G1/2"-F

Thread G2: G1/2"-M

Operating temperature: 0 ... 70 °C

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FLK G1/2-IG G1/2-AG V

Part no...:10.01.03.00207

Thread G1: G1/2"-F

Thread G2: G1/2"-M

Operating temperature: 0 ... 70 °C

Shape mounting elements: Reinforced



KGL G1/2-IG G1/2-AG

Part no...:10.01.03.00111

Thread G1: G1/2"-F

Thread G2: G1/2"-M

Height H: 40 mm



HTR-STA 62 1N D30 WI

Part no...:10.08.03.00148

Length L: 62 mm

Connection 1: Sliding block

Connection of suction cup, spring plunger: Contour D30-G1/2

Shape: angled

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HTR-ST5 40x40 D30 WI

Part no...:10.08.03.00090

Connection 1: 40x40

Connection of suction cup, spring plunger: Contour D30-G1/2

Shape: angled



HTR-ST5 50x50 D30 WI

Part no...:10.08.03.00091

Connection 1: 50x50

Connection of suction cup, spring plunger: Contour D30-G1/2

Shape: angled



HTR-ST5 60x60 D30 WI

Part no...:10.08.03.00092

Connection 1: 60x60

Connection of suction cup, spring plunger: Contour D30-G1/2

Shape: angled

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ST G3/8-AG 9 MS-V

Part no...:10.08.03.00159

Thread G1: G3/8"-M

Hose diameter (rec.) d: 9 mm

Material: Brass

Surface: nickel plated

Length L: 6 mm

Nominal diameter dn: 7,4 mm



ST G3/8-AG 13 MS-V

Part no...:10.08.03.00160

Thread G1: G3/8"-M

Hose diameter (rec.) d: 13 mm

Material: Brass

Surface: nickel plated

Length L: 5,9 mm

Nominal diameter dn: 10 mm



STV-GE G3/8-AG 8

Part no...:10.08.02.00237

Thread G1: G3/8"-M

Hose diameter: 8 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 14,6 mm

Length L: 17,4 mm

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STV-GE G3/8-AG 10

Part no...:10.08.02.00252

Thread G1: G3/8"-M

Hose diameter: 10 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 16,5 mm

Length L: 20,1 mm



STV-GE G3/8-AG 12

Part no...:10.08.02.00209

Thread G1: G3/8"-M

Hose diameter: 12 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 19,5 mm

Length L: 23,6 mm



STV-GE G3/8-AG 14

Part no...:10.08.02.00211

Thread G1: G3/8"-M

Hose diameter: 14 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 21,5 mm

Length L: 30,5 mm

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STV-W G3/8-AG 8

Part no...:10.08.02.00236

Thread G1: G3/8"-M

Hose diameter: 8 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 23,7 mm



STV-W G3/8-AG 10

Part no...:10.08.02.00255

Thread G1: G3/8"-M

Hose diameter: 10 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 35,1 mm



STV-W G3/8-AG 12

Part no...:10.08.02.00163

Thread G1: G3/8"-M

Hose diameter: 12 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 34,1 mm

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STV-WF G3/8-AG 8

Part no.:10.08.02.00234

Thread G1: G3/8"-M

Hose diameter: 8 mm

Material: Nickel plated

Operating temperature: -10 ... 70 °C

Length L: 26,7 mm



STV-WF G3/8-AG 10

Part no.:10.08.02.00259

Thread G1: G3/8"-M

Hose diameter: 10 mm

Material: Nickel plated

Operating temperature: -10 ... 70 °C

Length L: 29,2 mm