

Spring plungers lockable

FST-LOCK-HD G1/4-AG 100 NC AB

Part no...:10.01.02.01629

<https://www.schmalz.com/10.01.02.01629>

Home > Vacuum Technology for Automation > Vacuum Components > Mounting Elements > Spring Plungers > Spring Plungers FST-LOCK-HD > FST-LOCK-HD G1/4-AG 100 NC AB

Lockable spring plunger with clamping and height compensation, Heavy-Duty



Suction cup connection: G1/4"-M

Vacuum connection: G1/8"-F

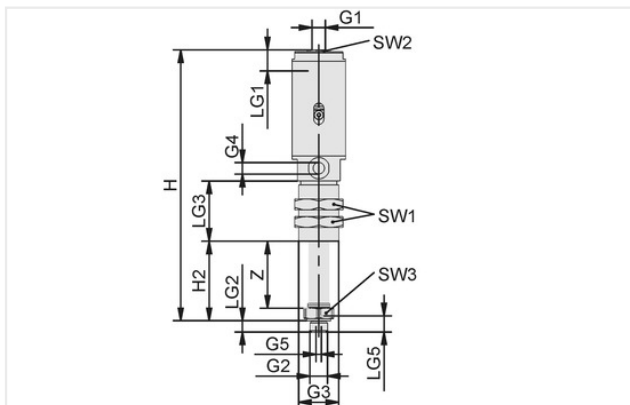
Spring stroke Z: 100 mm

Shape mounting elements: anti-Block

Mounting connection: M30x1.5-M

Compressed-air connection: G1/8"-F

Design Data



Attribute	Value
G1	G1/8"-F
G2	G1/4"-M
G3	M30x1.5-M
G4	G1/8"-F
H	267.30 mm
H2	109.30 mm
LG1	12 mm
LG2	8.50 mm
LG3	60 mm
SW1	36 mm
SW2	17 mm
SW3	22 mm
Z (Stroke)	100 mm

Technical Data

Attribute	Value
Spring rate	0.33 N/mm
Spring pretension	3.28 N
Spring force, center	19.68 N

Contact Schmalz

Schmalz Australia Pty Ltd | 25 Turbo Drive, Bayswater North, VIC, 3153 Melbourne, Australia | +61 3 9215 8800 | schmalz@schmalz.com.au

Spring plungers lockable

FST-LOCK-HD G1/4-AG 100 NC AB

Part no.:10.01.02.01629

<https://www.schmalz.com/10.01.02.01629>

Vertical load	1500 N
Horizontal load	150 N
Weight	895 g
Operating temperature	0 ... 80 °C
Pressure range (operating pressure)	4.0 ... 7.0 bar
Braking force	350 N

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



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-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

Contact Schmalz

Schmalz Australia Pty Ltd | 25 Turbo Drive, Bayswater North, VIC, 3153 Melbourne, Australia | +61 3 9215 8800 | schmalz@schmalz.com.au

Spring plungers lockable

FST-LOCK-HD G1/4-AG 100 NC AB

Part no...:10.01.02.01629

<https://www.schmalz.com/10.01.02.01629>



VSL 6-4 PU MI-TR

Part no...:10.07.09.00002

External diameter D: 6 mm

Internal diameter d: 4 mm

Length max.: 500 m

Material hose: PU

Bending radius min.: 35 mm

Pressure range (operating pressure): -0.95 ... 10.00 bar

Operating temperature: -20 ... 90 °C



HT-FST A2 42 M30x1.5

Part no...:10.07.06.00474

Connection 1: Bolt with slot Ø19mm

Width B: 42 mm

Thread G3: M30x1.5-F



HT-FST A3 42 M30x1.5

Part no...:10.07.06.00472

Connection 1: Ball head 28.5 mm

Width B: 42 mm

Thread G3: M30x1.5-F

Contact Schmalz

Schmalz Australia Pty Ltd | 25 Turbo Drive, Bayswater North, VIC, 3153 Melbourne, Australia | +61 3 9215 8800 | schmalz@schmalz.com.au

Spring plungers lockable

FST-LOCK-HD G1/4-AG 100 NC AB

Part no...:10.01.02.01629

<https://www.schmalz.com/10.01.02.01629>



HT-FST A5 42 M30x1.5

Part no...:10.07.06.00473

Connection 1: Ball head 32 mm

Width B: 42 mm

Thread G3: M30x1.5-F

Contact Schmalz

Schmalz Australia Pty Ltd | 25 Turbo Drive, Bayswater North, VIC, 3153 Melbourne, Australia | +61 3 9215 8800 | schmalz@schmalz.com.au