

FST-LOCK-HD G1/4-AG 50 NC VG SFP

Art.-Nr.: 10.01.02.01730

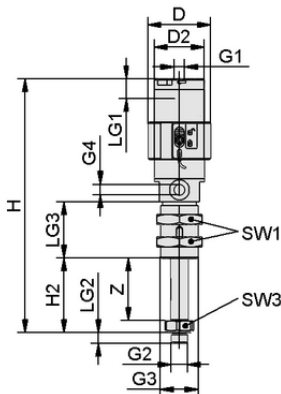


FST-LOCK-HD G1/4-AG 50 NC VG SFP

Spring plunger FST-LOCK-HD is delivered as a ready-to-connect product.

Technical data

Attribute	Value
Shape mounting elements	with anti-rotation guard
Spring stroke Z	50.0 mm
Compressed air connection	G1/8"-F
Mounting connection	M30x1.5-M
Suction cup connection	G1/4"-M
Vacuum connection	G1/8"-F
Shape	Sensor end position / fixation
Shape functioning	Closed without pressure
Tightening torque (max)	50.0 Nm



Design data FST-LOCK-HD G1/4-AG 50 NC VG SFP

Design data

Attribute	Value
Height H2	59.30 mm
Height H	202.30 mm
Outside diameter D2	40.0 mm
Outside diameter D	50.00 mm
Thread G1	G1/8"-F
Thread length LG1	12.0 mm
Thread G2	G1/4"-M
Thread length LG2	8.5 mm
Thread length LG3	45.0 mm
Key width SW1	36.0 mm
Spring stroke Z	50.0 mm
Key width SW3	22.0 mm
Thread G4	G1/8"-F
Thread G3	M30x1.5-M

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**Technical data**

Attribute	Value
Spring force center	12.73 N
Spring rate	0.453 N/mm
Spring pretension	1.40 N
Horizontal load	300.0 N
Vertical load	1,500.0 N
Weight	995.00 g
Pressure range (operating pressure) [bar]	4.0 ... 7.0 bar
Operating temperature	0 ... 50 °C
Product family	FST-LOCK-HD
Braking force	350.0 N
Shape functioning	Closed without pressure
Tightening torque (max)	50.0 Nm

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

**Further documentation**

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.02.01730

**Ordering Data Accessories 10.01.02.01730**

Typ		Item number
Plug union, straight	STV-GE G1/8-AG 6	10.08.02.00204
Plug union, elbow	STV-W G1/8-AG 6	10.08.02.00158
Vacuum hose (meter)	VSL 6-4 PU MI-TR	10.07.09.00002
Holder tooling spring plunger	HT-FST A2 42 M30x1.5	10.07.06.00474
Holder tooling spring plunger	HT-FST A3 42 M30x1.5	10.07.06.00472
Holder tooling spring plunger	HT-FST A5 42 M30x1.5	10.07.06.00473

**Ordering Data Spare Parts 10.01.02.01730**

Typ		Item number
Proximity switch	NAEH-SCHA SIND 1 10-30V-DC	21.01.09.00127
Setscrew	GEW-STIF 4026-M3x4-ST-45H	20.05.07.00025

