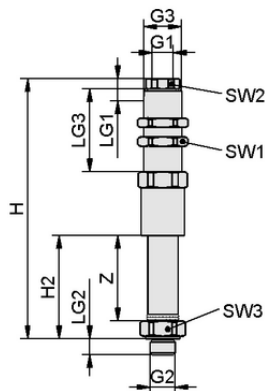


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FSTE-HDB G1/4-AG 120 VG-AB

Spring plunger FSTE-HDB is delivered as a ready-to-connect product.



Design data FSTE-HDB G1/4-AG 120 VG-AB

Technical data

Attribute	Value
Shape mounting elements	with anti-rotation guard anti-block
Spring stroke Z	120.0 mm
Suction cup connection	G1/4"-M
Vacuum connection	G1/8"-F
Tightening torque (max)	40.0 Nm

Design data

Attribute	Value
Height H2	129.80 mm
Height H	238.30 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	44.0 mm
Key width SW1	24.0 mm
Spanner size SW2	17.0 mm
Spring stroke Z	120.0 mm

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

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**Technical data**

Attribute	Value
Shape mounting elements	with anti-rotation guard anti-block
Spring force center	24.29 N
Spring rate	0.232 N/mm
Spring pretension	10.37 N
Horizontal load	290.0 N
Vertical load	2,400.0 N
Weight	345.00 g
Operating temperature	0 ... 80 °C
Product family	FSTE-HDB
Tightening torque (max)	40.0 Nm

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.

**Further documentation**

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.02.01527

