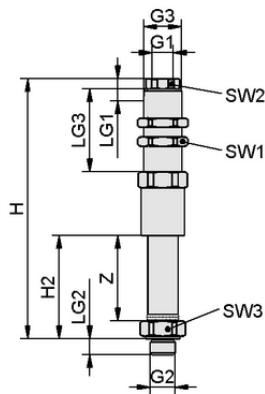


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FSTE-HDB G1/4-AG 80 VG-AB

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



Design data FSTE-HDB G1/4-AG 80 VG-AB

Technical data

Attribute	Value
Shape mounting elements	with anti-rotation guard anti-block
Spring stroke Z	80.0 mm
Suction cup connection	G1/4"-M
Vacuum connection	G1/8"-F
Tightening torque (max)	40.0 Nm

Design data

Attribute	Value
Height H2	89.80 mm
Height H	188.30 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	80.0 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	29.06 N
Spring rate	0.417 N/mm
Spring pretension	12.38 N
Horizontal load	340.0 N
Vertical load	2,400.0 N
Weight	298.0 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/10.01.02.01377



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**Ordering Data Accessories 10.01.02.01377**

Typ		Item number
Flexolink	FLK G1/4-IG G1/4-AG	10.01.03.00178
Ball joint	KGL G1/4-IG G1/4-AG	10.01.03.00110
Ball joint	KGL G1/4-IG M10x1.25-AG	10.01.03.00137
Flexolink	FLK G1/4-IG M10x1.25-AG	10.01.03.00206
Cross-beam connection	HTR-STA 55 1N D20 WI	10.08.03.00086
Universal holder	HTR-UNI 2N FSTE-HDB	10.01.03.00332
Hose sleeve	ST G1/8-AG 4 M5-ROH	10.08.03.00153
Hose sleeve	ST G1/8-AG 6 M5-V	10.08.03.00154
Hose sleeve	ST G1/8-AG 9 M5-V	10.08.03.00155
Plug union, straight	STV-GE G1/8-AG 4	10.08.02.00202
Plug union, straight	STV-GE G1/8-AG 6	10.08.02.00204
Plug union, straight	STV-GE G1/8-AG 8	10.08.02.00206
Plug union, elbow	STV-W G1/8-AG 4	10.08.02.00156
Plug union, elbow	STV-W G1/8-AG 6	10.08.02.00158
Plug union, elbow	STV-W G1/8-AG 8	10.08.02.00160
Plug union, straight	STV-GE G1/8-AG 6 HT	10.08.02.00389
Plug union, elbow	STV-W G1/8-AG 6	10.08.02.00288
Plug union, elbow	STV-W G1/8-AG 6 HT	10.08.02.00391
Plug union, elbow	STV-WF G1/8-AG 4	10.08.02.00166
Plug union, elbow	STV-WF G1/8-AG 6	10.08.02.00168
Plug union, elbow	STV-WF G1/8-AG 8	10.08.02.00170
Plug union, elbow	STV-WF G1/8-AG 10	10.08.02.00257
Plug union, T	STV-T G1/8-AG 4	10.09.02.00039
Plug union, T	STV-T G1/8-AG 6	10.09.02.00040
Plug union, T	STV-T G1/8-AG 8	10.09.02.00041

