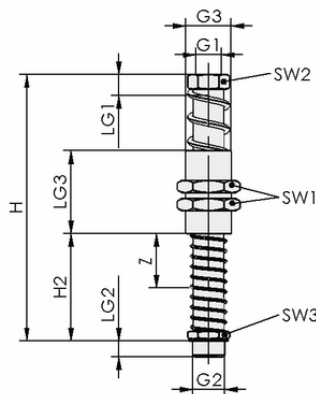




FSTA-HD G3/8-AG 90

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



Design data FSTA-HD G3/8-AG 90

### Technical data

| Attribute               | Value   |
|-------------------------|---------|
| Spring stroke Z         | 90.0 mm |
| Suction cup connection  | G3/8"-M |
| Vacuum connection       | G3/8"-F |
| Tightening torque (max) | 50.0 Nm |

### Design data

| Attribute         | Value     |
|-------------------|-----------|
| Height H2         | 123.80 mm |
| Height H          | 229.50 mm |
| Thread G1         | G3/8"-F   |
| Thread length LG1 | 12.0 mm   |
| Thread G2         | G3/8"-M   |
| Thread length LG2 | 10.5 mm   |
| Thread length LG3 | 53.0 mm   |
| Key width SW1     | 36.0 mm   |
| Spanner size SW2  | 24.0 mm   |
| Spring stroke Z   | 90.0 mm   |

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**Technical data**

| Attribute               | Value       |
|-------------------------|-------------|
| Spring force center     | 75.30 N     |
| Spring rate             | 1.072 N/mm  |
| Spring pretension       | 24.38 N     |
| Horizontal load         | 730.0 N     |
| Vertical load           | 4,800.0 N   |
| Weight                  | 645.0 g     |
| Operating temperature   | 0 ... 80 °C |
| Product family          | FSTA-HD     |
| 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/10.01.02.00816](http://www.schmalz.com/10.01.02.00816)

**Ordering Data Accessories 10.01.02.00816**

| Typ                          |                              | Item number    |
|------------------------------|------------------------------|----------------|
| Reduction piece with hexagon | RED-STK G1/2-AG G3/8-IG MS-V | 10.08.04.00096 |
| Cross-beam connection        | HTR-STA 62 1N D30 WI         | 10.08.03.00148 |
| Cross-beam connection        | HTR-ST5 40x40 D30 WI         | 10.08.03.00090 |
| Cross-beam connection        | HTR-ST5 50x50 D30 WI         | 10.08.03.00091 |
| Cross-beam connection        | HTR-ST5 60x60 D30 WI         | 10.08.03.00092 |
| Hose sleeve                  | ST G3/8-AG 9 MS-V            | 10.08.03.00159 |
| Hose sleeve                  | ST G3/8-AG 13 MS-V           | 10.08.03.00160 |
| Plug union, straight         | STV-GE G3/8-AG 8             | 10.08.02.00237 |
| Plug union, straight         | STV-GE G3/8-AG 10            | 10.08.02.00252 |
| Plug union, straight         | STV-GE G3/8-AG 12            | 10.08.02.00209 |
| Plug union, straight         | STV-GE G3/8-AG 14            | 10.08.02.00211 |
| Plug union, elbow            | STV-W G3/8-AG 8              | 10.08.02.00236 |
| Plug union, elbow            | STV-W G3/8-AG 10             | 10.08.02.00255 |
| Plug union, elbow            | STV-W G3/8-AG 12             | 10.08.02.00163 |
| Plug union, elbow            | STV-WF G3/8-AG 8             | 10.08.02.00234 |
| Plug union, elbow            | STV-WF G3/8-AG 10            | 10.08.02.00259 |

