

# Composite Push In Fittings for Heavy Vehicle

FMVSS 571.106 (DOT) & SAE Compliant



## Features:

**Tube Seal:** low temperature seal goes beyond the standard O-ring seal

**Stabilization Ring:** The ring ensures high temp stability and maximum performance with a smaller overall package

**Chuck:** Stainless Steel or brass chuck design permits smooth tube entry and high gripping force

**Body:** Light, compact, high performance and superior chemical resistance

**Stud End O-Ring:** Permits the fitting to be positioned into place after installation

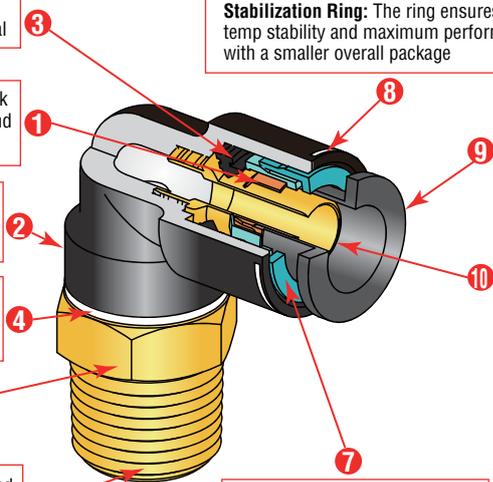
**Stud:** Brass stud end

**Sealant:** Standard, pre-applied thread sealant facilitates installation

**Guide:** Holds internal components together and also guides release button

**Release button:** The large release button contacts the gripping ring when pushed in the design has 2 benefits:  
1. Gripping fingers do not scrape the tube during insertion or removal  
2. Lower insertion and release forces

**Tube Support:** A fixed tube support promotes easier tube insertion, superior side load performance and increased tube retention



## Material:

1	Chuck	Stainless Steel or Brass
2	Body	Polybutylene Terephthalate (PBT), Brass
3	Tube Seal	Buna-N, Nitrile Rubber
4	O-Ring	Buna-N, Nitrile Rubber
5	Stud	Brass
6	Sealant	Fluorine/Acrylic
7	Guide	Stainless Steel or Polyacetal (Acetal)
8	Stabilization Ring	Stainless Steel
9	Release Button	Polyacetal, POM (Acetal)
10	Tube Support	Stainless Steel /Brass

## Specification:

Operating Fluid	Air						
Max. Operating Pressure	145 psi (1.0 MPa)						
Proof Pressure	Size	5/32"	1/4"	3/8"	1/2"	5/8"	3/4"
	At 75°F (24 °F)	1200 psi	1200 psi	1400 psi	950 psi	900psi	800psi
	At 200°F (93 °F)	450 psi (3.1 Mpa)					
Recommended Fluid and Ambient Temp	-40°F to 140° F (-40°C to 60 °C)						
Leak Rate at -40°F (-40°C)	7 Ncm <sup>3</sup> /min. or less						
Thread	Thread Portion	ANSI/ASME B1.20.1, 1983, R1992					
	Nut	JIS B 0208 (Unified fine thread ), ISO 263					
Thread Sealant	Fluorine/Acrylic						
Applicable Standards	D.O.T.FMVSS 49 CFR 571.106, SAE J2494-3						
Applicable Tubing	Tubing Conforming to both SAE J844 and D.O.T. FMVSS 49 CFR 571.106. Material: Nylon 12						
Tubing O.D.	5/32", 1/4", 3/8", 1/2", 5/8", 3/4"						
Fitting Dimensions	All dimensions reference only and subject to change without notification						



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