

# Tubing Compatibility Chart

Tubing/Hose Capability with Parker FSC Fittings

Product Sizes (inch)		Thermoplastic and Thermo-elastomer Tubing									
		Industrial Tubing Series (Outside Diameter (O.D.) Shown)									
		Polyethylene E & EB Inch (4,5,6,8,10) Metric (6,8,10,12)	Polyethylene PEFR Inch (2,5,4,6,8)	Polyethylene HDPE Inch (4,6)	Nylon N Inch (2,2.5,3,4,5,6,8)	Nylon PAT Inch (2,4,6,8,12)	Nylon NR/NBR Inch (2,3,4,5,6,8)	Polypropylene PP & PPB Inch (2,3,4,6,8,10)	Polyurethane 95U & 95UM (90 - 95 Shore A) Inch (2,2.5,4,6,8,12) Metric (4,6,8,10,12)	Polyurethane MicroWeld™ 95FR Inch (4,6,8) Metric (6,8,10,12)	Clear Vinyl Inch (1/8" - 2 1/2")
Compression & Flare	Compression Inch (2,3,4,5,6,7,8,10,12)	PS TS	PS TS	PS TS	PS TS	PS TS	PS TS	PS TS			
	Compress-Align Inch (2,3,4,5,6,8,10,12,14,16)	TS	TS	TS	TS	TS	TS	TS			
	Metric Compression Metric (4,5,6,8,10,12,14,16,18,20,22,25,28)	TS			TS		TS	TS			
	Poly-Tite Inch (4,5,6,8)				BS			BS			
	Hi-Duty Inch (2,3,4,5,6,8,10)	TS	TS	TS	TS	TS	TS	TS			
	45 degree flare Inch (2,3,4,5,6,8,10,12,14)										
	Inverted Flare Inch (2,3,4,5,6,8,10,12)										
	Fast & Tite Inch (4,5,6,8,10)								TS		
Push-to-Connect	Flow Controls Inch (2,2.5,4,5,6,8) Metric (4,6,8,10,12)										
	Prestolok Brass Inch (2,2.5,3,4,5,6,8)										
	Prestolok Composite Inch (2,2.5,3,4,5,6,8,10) Metric (3,4,6,8,10,12,14,16)										
	Prestolok All-Metal Inch (2.5,4,5,6,8) Metric (4,6,8,10,12,14)										
	Prestolok Stainless Inch (2.5,3,4,5,6,8) Metric (4,6,8,10,12)										
	Liquifit Inch (2.5,4,6,8) Metric (4,6,8,10,12)										
	TrueSeal Inch (4,5,6,8)						MG		TS		
Barb	Par-Barb Inch (2,3,4,5,6,8,10,12,16,20,24) Inside Diameter								CL		
	Dubl-Barb Inch (2.5,4,6,8)										
	Hose Barb Inch (2,3,4,5,6,8,10,12,16) Inside Diameter										
	Garden Hose										
DOT Transportation	NTA Inch (3,4,6,8,10,12)										
	Transmission Fittings Inch (2,2.5)										
	Air Brake Inch (4,6,8,10,12,16)										
	Air Brake Hose Inch (6,8)										
	Vibra-Lok Inch (2,3,4,5,6,8,10,12)										
	Brass PTC Inch (4,6,8,10) Metric (6,8,10,12,16)										
	SAE Cartridges Inch (4,6,8,10)										

# Tubing Compatibility Chart for Fittings

## Tubing/Hose Capability with Parker FSC Fittings

Thermoplastic Tubing				Fluoropolymer Tubing			Product Sizes (inch)	
Transportation Tubing				PFA Fluoropolymer Inch (3/32" - 1") Metric (4mm - 12mm)	FEP Fluoropolymer Inch (1/8" - 1") Metric (3mm - 12mm)	PTFE Fluoropolymer Inch (3/32" - 1") Metric (3mm - 16mm)		
PFT Air-Brake (SAE J844) Inch (2,2.5,3,4,5,6,8,10,12)	Air Brake DIN 74324 (Nylon 12) Metric (4,6,8,10,12,15,16,18)	PFT Diesel Fuel Sizes 4,6,8,10,12	HTFL Diesel Fuel Sizes 4,6,8,10,12				PS TS	PS TS
							Compression Inch (2,3,4,5,6,7,8,10,12)	Compression & Flare
							Compress-Align Inch (2,3,4,5,6,8,10,12,14,16)	
							Metric Compression Metric (4,5,6,8,10,12,14,16,18,20,22,25,28)	
							Poly-Tite Inch (4,5,6,8)	
							Hi-Duty Inch (2,3,4,5,6,8,10)	
							45 degree flare Inch (2,3,4,5,6,8,10,12)	
							Inverted Flare Inch (2,3,4,5,6,8,10,12,14)	
							Fast & Tite Inch (4,5,6,8,10)	
							Flow Controls Inch (2,2.5,4,5,6,8) Metric (4,6,8,10,12)	
							Prestolok Brass Inch (2,2.5,3,4,5,6,8)	
							Prestolok Composite Inch (2,2.5,3,4,5,6,8,10) Metric (3,4,6,8,10,12,14,16)	
							Prestolok All-Metal Inch (2.5,4,5,6,8) Metric (4,6,8,10,12,14)	
							Prestolok Stainless Inch (2.5,3,4,5,6,8) Metric (4,6,8,10,12)	
							Liquifit Inch (2.5,4,6,8) Metric (4,6,8,10,12)	Barb
				MG	MG	MG	TrueSeal Inch (4,5,6,8)	
							Par-Barb Inch (2,3,4,5,6,8,10,12,16,20,24) Inside Diameter	
							Dubl-Barb Inch (2.5,4,6,8)	DOT Transportation
							Hose Barb Inch (2,3,4,5,6,8,10,12,16) Inside Diameter	
							Garden Hose	
							NTA Inch (3,4,6,8,10,12)	
							Transmission Fittings Inch (2,2.5)	
TS							Air Brake Inch (4,6,8,10,12,16)	
							Air Brake Hose Inch (6,8)	
							Vibra-Lok Inch (2,3,4,5,6,8,10,12)	
							Brass PTC Inch (4,6,8,10) Metric (6,8,10,12,16)	
							PTC Inch (2.5,3,4,6,8,10,12)	
							SAE Cartridges Inch (4,6,8,10)	

### Tube Line Fabrication Guide for Leak Free Systems

Every hydraulic, pneumatic and lubrication system requires some form of tube line fabrication and fitting installation for completion. Proper fabrication and installation are essential for the overall efficiency, leak free performance, and general appearance of any system.

Start by planning ahead. After sizing the tube lines and selecting the appropriate style of fitting, consider the following in the design of your system:

1. Accessibility of joints
2. Proper routing of lines
3. Adequate tube line supports
4. Available fabricating tools

<b>PS</b>	Plastic Sleeve & Tube Support Recommended
<b>TS</b>	Tube Support Is Recommended
<b>BS</b>	Brass Sleeve Recommended
<b>CL</b>	Clamp Required
<b>MG</b>	Metal Gripper Collet Recommended
	Tube/Fitting Combination Compatible
	Tube/Fitting Combination NOT Compatible

For technical information, download FSC CAT 3501