

Parker® Fast & Tite™ Thermoplastic Fittings

A compression style fitting that installs in seconds without tools and provides a tight, sure, leak proof seal without clamps or adjustments. A unique grab ring for tube retention, coupled with a Nitrile O-ring creates a positive seal and assures good tube retention with only hand tight assembly. Fast & Tite™ fittings meet FDA and NSF-51 requirements for food contact.

Materials of Construction	
Bodies:	Black Polypropylene, White Nylon
Nut & Spacers:	Black Polypropylene, White Nylon
Grab Ring:	302 Stainless Steel
O-ring:	Nitrile

Air-Oil-Water Pressure in PSI			
Tube O.D.	Up to 75°F	76°F to 125°F	126°F to 175°F
1/4"	300	300	300
5/16"	300	300	300
3/8"	250	250	150
1/2"	200	200	150
5/8"	150	100	50

Temperature Range	
Black Polypropylene:	0°F(-18°C) to +212°F (+100°C)
White Nylon:	-40°F (-40°C) to +200°F (+93°C)

Applicable Tube	
Tube Material:	Thermoplastic Tubing, Glass, Soft Metal
Tube O.D.:	1/4", 5/16", 3/8", 1/2", 5/8"

Specifications	
Operating Fluid:	Water, air, other fluids compatible with materials of construction
Note:	For other types of fluids or gasses, please consult factory

Insertion Length		
Tube O.D.	Insertion Length w/Tube Support	Insertion Length w/o Tube Support
1/4"	5/8"	9/16"
5/16"	5/8"	9/16"
3/8"	13/16"	3/4"
1/2"	7/8"	13/16"
5/8"	1"	15/16"

Assembly Instructions

1. Cut the tube squarely and remove any burrs.
2. Mark from end of tube the length of insertion. If using a tube support, insert fully into tube and then mark from end of tube support length of insertion. (See insertion length table above)
3. Loosen nut on fitting until three threads are visible. Fittings for glass tubes must be disassembled and the grab ring removed. If the fitting has been disassembled the components are to be placed in the following order: fitting body, O-ring, spacer, grab ring and nut. Assemble the nut until three threads are showing on the body before inserting tube.
4. Moisten end of the tube with water. Push the tube straight into fitting until it bottoms on the fitting's shoulder. Tighten nut by hand. Additional tightening should not be necessary, but 1/4 additional turn may be added if desired. Do not over tighten nut as the threads will strip and the fitting will not function properly. A proper assembly will not show the insertion mark extending beyond the nut. If the insertion mark is visible, then steps 1 thru 4 must be repeated.

Note: Provide adequate fail-safe mechanisms such as leakage detection sensors, automatic shut-off controls or other industry and code appropriate fail-safe devices in the design of your water-handling appliance to protect against personal injury and property damage. Plastic fittings containing an O-ring have a finite life depending on the environment, media and severity of the application. Frequent inspections and replacement of the fitting when anomalies are found is recommended.