



Parker

45° Flare Tube Fittings














■ Max. operating temp.: 250°F, except PFA fittings are 212°F


















These fittings have a 45° tapered end that fits into tubing with a flared end. These connections are secured with a sleeve and threaded nut and tightened to create a pressure-resistant seal. Flare fittings resist mechanical pull-out and are used with refrigeration and vacuum lines, fuel and gas equipment, and plumbing.

Standard Brass—Fittings are compatible with nylon, polyethylene, and polyurethane tubing and suitable for use in air, water, and oil applications.

Low-Lead Brass—Fittings are suitable for high-pressure use with potable water. Brass resists corrosion from water, heat, acids, minerals, and peaty soils.

PFA—Fittings are compatible with nylon, polyethylene, and polyurethane tubing and suitable for use in air, water, and oil applications. PFA, or perfluoroalkoxy, is a tough thermoplastic with high chemical and temperature resistance.

Connection Type		For Tube OD	Pipe Size	Overall Length	Fitting Thread Size	Max. Operating Pressure	Max. Operating Temp.	Brand	Item No.	Pkg. Qty.
Standard Brass 45 Degree Flare Tube Fittings										
45° Forged Elbow Adapter										
	Flared x MNPT	1/4 in	1/4 in	2 3/4 in	7/16-20	1,400 psi	250 °F	Parker	1VEC5	10
		1/4 in	1/4 in	3/4 in	7/16-20	1,400 psi	250 °F	Parker	1VEC7	10
		1/2 in	3/8 in	1 1/8 in	3/4-16	750 psi	250 °F	Parker	1VED4	10
		1/2 in	1/2 in	1 1/8 in	3/4-16	750 psi	250 °F	Parker	1VED6	10
90° Elbow Adapter										
	Flared x FNPT	3/8 in	3/8 in	1 3/4 in	5/8-18	1,000 psi	250 °F	—	20XN31	1
	Flared x MNPT	1/4 in	1/4 in	1 1/2 in	7/16-20	1,000 psi	250 °F	—	20XN30	
	MNPT x Flared	3/8 in	3/8 in	1 3/8 in	7/8-14	650 psi	250 °F	Parker	5KNG5	1
90° Extruded Elbow Adapter										
	Flared x MNPT	3/16 in	1/8 in	1 3/4 in	3/8-24	1,900 psi	250 °F	Parker	5WRW7	10
90° Forged Elbow Adapter										
	Flared x MNPT	1/4 in	1/4 in	2 3/4 in	7/16-20	1,400 psi	250 °F	Parker	1VDZ7	10
		1/4 in	1/4 in	2 3/4 in	7/16-20	1,400 psi	250 °F	Parker	1VDZ8	10
		3/8 in	1/4 in	1 1/2 in	1/2-20	1,200 psi	250 °F	Parker	1VEA2	10
		3/8 in	1/4 in	1 in	5/8-18	1,000 psi	250 °F	Parker	2P193	10
		3/8 in	3/8 in	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	2P194	10
		3/8 in	1/2 in	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	2P195	10
		1/2 in	3/8 in	1 1/2 in	3/4-16	750 psi	250 °F	Parker	1VEB1	10
		1/2 in	1/2 in	1 1/2 in	3/4-16	750 psi	250 °F	Parker	2P196	10
		3/8 in	1/2 in	1 1/2 in	7/8-14	650 psi	250 °F	Parker	2P197	10
90° Swivel Elbow Adapter										
	Flared x Flared	3/8 in x 3/8 in	—	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	18E822	5
		3/8 in x 3/8 in	—	1 3/8 in	7/8-14	650 psi	250 °F	Parker	18E824	5
Cap										
	Flared	1/4 in	—	1 1/2 in	7/16-20	2,800 psi	250 °F	Parker	1VDY2	10
		3/8 in	—	1 1/2 in	5/8-18	2,800 psi	250 °F	Parker	2P171	10
		1/2 in	—	2 1/2 in	3/4-16	2,800 psi	250 °F	Parker	2P172	10
		3/8 in	—	3 1/2 in	7/16-14	2,800 psi	250 °F	Parker	2P173	10
		3/4 in	—	1 3/2 in	1 1/16-14	550 psi	250 °F	Parker	5WRV2	1
Flared Gasket										
	Flared	1/4 in	—	1/2 in	—	2,800 psi	250 °F	Parker	5WRW1	10
		3/8 in	—	1/2 in	—	2,800 psi	250 °F	Parker	5WRW3	10
		1/2 in	—	1/2 in	—	2,800 psi	250 °F	Parker	5WRW4	10
		3/4 in	—	1/2 in	—	2,800 psi	250 °F	Parker	5WRW6	10
Long Nut										
	Flared	1/4 in	—	1 1/4 in	7/16-20	2,800 psi	250 °F	Parker	2P143	10
		3/8 in	—	1 1/4 in	5/8-18	2,800 psi	250 °F	Parker	2P144	10
Seal Plug										
	Flared	3/8 in	—	7/8 in	5/8-18	2,800 psi	250 °F	Parker	2P175	10
		1/2 in	—	1 1/4 in	3/4-16	2,800 psi	250 °F	Parker	2P176	10
		3/4 in	—	1 1/4 in	7/16-14	2,800 psi	250 °F	Parker	2P177	10
Short Nut										
	Flared	1/4 in	—	3/8 in	7/16-20	2,800 psi	250 °F	Parker	2P155	10
		1/4 in	—	3/4 in	7/16-20	2,800 psi	250 °F	Parker	2P151	10
		3/8 in	—	3/4 in	5/8-18	2,800 psi	250 °F	Parker	2P156	10
		3/8 in	—	1 in	5/8-18	2,800 psi	250 °F	Parker	2P152	10
		1/2 in	—	1 1/8 in	3/4-16	2,800 psi	250 °F	Parker	2P153	10
		3/8 in	—	1 1/8 in	7/8-14	2,800 psi	250 °F	Parker	2P154	10
Straight Adapter										
	Flared x FNPT	1/2 in	1/2 in	1 3/4 in	3/4-16	750 psi	250 °F	Parker	2P190	10
	Flared x MNPT	1/4 in	1/8 in	1 1/2 in	7/16-20	1,400 psi	250 °F	Parker	2P178	10
		1/4 in	1/4 in	1 1/2 in	7/16-20	1,400 psi	250 °F	Parker	2P179	10
		1/4 in	1/2 in	1 1/2 in	7/16-20	1,400 psi	250 °F	Parker	1VDX2	10
		3/8 in	1/4 in	1 1/2 in	1/2-20	1,200 psi	250 °F	Parker	1VDX4	10
		3/8 in	1/4 in	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	2P180	10
		3/8 in	3/8 in	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	2P181	10
		3/8 in	1/2 in	1 1/8 in	5/8-18	1,000 psi	250 °F	—	46M517	1
		3/8 in	1/2 in	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	2P182	10
		3/8 in	3/4 in	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	1VDX6	10
		1/2 in	1/4 in	1 1/2 in	3/4-16	750 psi	250 °F	Parker	1VDX9	10
		1/2 in	3/8 in	1 1/2 in	3/4-16	750 psi	250 °F	Parker	2P183	10
		1/2 in	1/2 in	1 1/2 in	3/4-16	750 psi	250 °F	Parker	2P184	10
		3/8 in	1/2 in	1 1/2 in	7/16-14	650 psi	250 °F	Parker	2P185	10
		3/8 in	3/4 in	1 1/2 in	7/16-14	650 psi	250 °F	Parker	1VDW3	10
		3/4 in	3/4 in	2 3/4 in	1 1/16-14	550 psi	250 °F	Parker	1VDW6	10

	Connection Type	For Tube OD	Pipe Size	Overall Length	Fitting Thread Size	Max. Operating Pressure	Max. Operating Temp.	Brand	Item No.	Pkg. Qty.
	Flared x Solder	3/8 in x 3/8 in	—	1 3/4 in	5/8-18	1,000 psi	250 °F	Parker	1VDV2	10
	Inverted Flare x FNPT	1/4 in	1/4 in	1 1/2 in	7/16-20	1,400 psi	250 °F	Parker	1VDV5	10
		3/8 in	1/2 in	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	1VDW1	10
	Push-to-Connect	1/4 in x 1/4 in	—	1 in	7/16-20	294 psi	176 °F	Parker	5KNH0	1
		3/8 in x 3/8 in	—	1 1/2 in	5/8-18	294 psi	176 °F	Parker	5KNH2	1
Straight Connector		1/4 in x 1/4 in	—	1 3/4 in	7/16-20	1,400 psi	250 °F	Parker	2P159	10
	Flared x Flared	3/8 in x 3/8 in	—	1 1/2 in	5/8-18	1,000 psi	250 °F	Parker	2P160	10
		3/8 in x 3/8 in	—	1 3/4 in	5/8-18	1,000 psi	250 °F	—	46M524	1
		1/2 in x 1/2 in	—	1 3/4 in	3/4-16	750 psi	250 °F	—	46M523	1
		1/2 in x 1/2 in	—	1 3/4 in	3/4-16	750 psi	250 °F	Parker	2P161	10
		5/8 in x 5/8 in	—	2 3/4 in	7/8-14	650 psi	250 °F	Parker	2P162	10
		3/4 in x 3/4 in	—	2 1/2 in	1 1/16-14	550 psi	250 °F	Parker	1VDU1	10
Straight Reducing Connector										
	Flared x Flared	3/8 in x 1/4 in	—	1 3/8 in	5/8 in -18 x 7/16 in -20	1,000 psi	250 °F	Parker	1VDU5	10
Straight Swivel Connector										
	Inverted Flare x Flare	1/4 in x 1/4 in	—	—	7/16-20	1,000 psi	250 °F	—	20XN42	1
	Inverted Flare	3/8 in x 3/8 in	—	—	5/8-18	1,000 psi	250 °F	—	20XN43	1
		1/2 in x 1/2 in	—	—	3/4-16	750 psi	250 °F	—	20XN44	1
Tee										
	Flared	1/4 in x 1/4 in x 1/4 in	—	1 23/32 in	7/16-20	2,800 psi	250 °F	Parker	2P163	10
		3/8 in x 3/8 in x 3/8 in	—	2 3/4 in	5/8-18	2,800 psi	250 °F	Parker	2P164	10
Low-Lead Brass 45 Degree Flare Tube Fittings										
Cap										
	Flared	3/8 in	—	1 1/4 in	5/8-18	2,800 psi	250 °F	Parker	19H215	1
Reducing Tee*										
	Flared	1/2 in x 1/2 in x 1/2 in	—	2 3/4 in	3/4-16	1,000 psi	250 °F	—	20XN40	1
		5/8 in x 5/8 in x 1/2 in	—	2 3/4 in	7/8-14	650 psi	250 °F	—	20XN41	1
	Flared x Flared x MNPT	3/8 in x 3/8 in	1/2 in	2 in	5/8-18	1,000 psi	250 °F	—	20XN37	1
Straight Adapter										
	Flared x MNPT	1/2 in	1/4 in	1 1/2 in	3/4-16	750 psi	250 °F	Parker	19H210	1
		1/2 in	3/8 in	1 1/2 in	3/4-16	750 psi	250 °F	Parker	19H211	1
		1/2 in	1/2 in	1 2/3 in	3/4-16	750 psi	250 °F	Parker	19H212	1
PFA 45 Degree Flare Tube Fittings										
90° Elbow										
	Inverted Flare	1/2 in x 1/2 in	—	1 29/32 in	—	125 psi	212 °F	Parker	2KNV1	1
	MNPT x Inverted Flare	1/2 in	1/4 in	1 7/8 in	—	125 psi	212 °F	Parker	2KNR2	1
		1/2 in	1/2 in	1 7/8 in	—	125 psi	212 °F	Parker	2KNR4	1
Straight Adapter										
	FNPT x Inverted Flare	1/2 in	1/2 in	2 1/8 in	—	125 psi	212 °F	Parker	2KNP1	1
	MNPT x Inverted Flare	1/4 in	1/4 in	2 in	—	125 psi	212 °F	Parker	2KNR8	1
		1/2 in	1/2 in	2 1/8 in	—	125 psi	212 °F	Parker	2KNR7	1
		3/4 in	1/2 in	2 1/2 in	—	125 psi	212 °F	Parker	2KNR6	1
		3/4 in	3/4 in	2 1/2 in	—	125 psi	212 °F	Parker	2KNR5	1
Tee										
	Inverted Flare x Inverted Flare	1/2 in x 1/2 in	—	3 3/4 in	—	125 psi	212 °F	Parker	2KNW3	1
		3/4 in x 3/4 in	—	4 1/8 in	—	125 psi	212 °F	Parker	2KNV9	1