

Threaded Brass & Bronze Pipe Fitting Kits

- Max. operating pressure: 1200 psi
- Temp. range: -65° to 250°F
- Standards: ASA; ASME; SAE
- Meet SAE, ASME, and ASA.

Description	Kit Includes	Item No.
42-Pc. Kit	(3) 1/2 in Close Nipple, (3) 1/2 in Coupling, (3) 1/2 in Female Tee, (3) 1/2 in Hex Nipple, (3) 1/2 in Hex Plug, (3) 1/2 in Street Elbow, (3) 1/2 x 3/8 in Bushing, (3) 1/2 x 3/8 in Reducer, (3) 3/8 in Close Nipple, (3) 3/8 in Coupling, (3) 3/8 in Female Tee, (3) 3/8 in Hex Nipple, (3) 3/8 in Hex Plug, (3) 3/8 in Street Elbow	6AZF8
70-Pc. Kit	(5) 1/2 x 3/8 in Bushing, (5) 1/4 in 45 Degree Street Elbow, (5) 1/4 in Close Nipple, (5) 1/4 in Coupling, (5) 1/4 in Female Elbow, (5) 1/4 in Female Tee, (5) 1/4 in Hex Nipple, (5) 1/4 in Hex Plug, (5) 1/4 in Street Elbow, (5) 1/4 x 1/8 in Bushing, (5) 1/4 x 1/8 in Coupling, (5) 1/4 x 1/8 in Hex Nipple, (5) 1/4 x 1/8 in Reducer, (5) 3/8 x 1/4 in Bushing	6AZF6
111-Pc. Kit	(10) 3/8 in Hex Nipple, (10) 1/2 in Close Nipple, (10) 1/2 in Hex Nipple, (10) 1/2 in Hex Plug, (10) 1/2 x 3/8 in Bushing, (10) 1/2 x 3/8 in Reducer, (10) 3/8 in Close Nipple, (10) 3/8 in Coupling, (10) 3/8 in Hex Plug, (3) 1/2 in Female Tee, (3) 3/8 in Female Tee, (5) 1/2 in Coupling, (5) 1/2 in Street Elbow, (5) 3/8 in Street Elbow	6AZF9
140-Pc. Kit	(10) 1/2 x 3/8 in Bushing, (10) 1/4 in 45 Degree Street Elbow, (10) 1/4 in Close Nipple, (10) 1/4 in Coupling, (10) 1/4 in Female Elbow, (10) 1/4 in Female Tee, (10) 1/4 in Hex Nipple, (10) 1/4 in Hex Plug, (10) 1/4 in Street Elbow, (10) 1/4 x 1/8 in Bushing, (10) 1/4 x 1/8 in Coupling, (10) 1/4 x 1/8 in Hex Nipple, (10) 1/4 x 1/8 in Reducer, (10) 3/8 x 1/4 in Bushing	6AZF7



6AZF6

Compression Brass Pipe Fittings

- Rubber seal

Fittings temporarily repair two new or existing pipelines to transport air, drinking water, flammable gases, slurries, and chemicals in residential and industrial plumbing applications. They include an outer compression nut and an inner compression ring or ferrule (sometimes called an olive), usually made

from brass or copper. Ferrules vary in shape, but most commonly are the shape of a ring with beveled edges. Brass, an alloy of copper and zinc, is strong, highly conductive, maintains machineability at high temperatures, and resists corrosion from water, heat, acids, minerals, and peaty soils. It is also compatible with stainless steel, copper, or zinc piping.



21TF15

Fitting Pipe Size	Overall Length	Item No.
3/4" x 1/2"	3 21/64"	21TF18
3/4" x 3/4"	3 9/64"	21TF15
1" x 1"	3 99/100"	21TF16
1 1/4" x 1 1/4"	3 99/100"	21TF17

Brass & Bronze Pipe Flanges

- Pipe fitting material: red brass
- Maximum operating pressure: 125 psi
- FNPT connection

Flanges connect with pipe and fittings to form a piping system that transports air, flammable gases, slurries, and chemicals in plumbing applications. Flanges allow breaks in pipelines to make valve, pump, and other replacements. Brass, an alloy of

copper and zinc, is compatible with stainless steel, copper, or zinc piping. It is strong, highly conductive, maintains machineability at high temperatures, and resists corrosion from water, heat, acids, minerals, and peaty soils. Bronze, also known as red brass, is a metal alloy of copper and tin and resists corrosion from saltwater and has higher heat and electric conductivity than most metals.



4TJJ7

Pipe Size	Flange Outside Diameter	Overall Length	Class	No. of Bolt Holes	Item No.
1/2"	1 3/16"	3 1/2"	Class 125	4	4TJJ7
1"	1 5/8"	4 1/4"	Class 125	4	4TJJ9
1 1/4"	1 5/8"	4 9/8"	Class 125	4	4TJK1
1 1/2"	1 3/4"	5"	Class 125	4	4TJK2
2"	2 3/8"	6"	Class 125	4	4TJK3



Wrot Copper Fittings

- Max. pressure, 1/8" to 1 1/8" O.D.: 500 psi
- Max. pressure, 1 1/4" to 2 1/8" O.D.: 364 psi
- Max. pressure, 2 3/8" to 3 1/8" O.D.: 317 psi
- Max. pressure, 4" to 4 1/8" O.D.: 293 psi
- Temp. range: -20° to 400°F

99.9% pure copper, seamless tubing forms a permanent, leaktight connection and resists corrosion and scaling. Ideal for drinking water, air conditioning, and refrigeration applications. For a complete list of standards and specifications, go to Grainger.com® and search for individual products. C = Female Solder Cup.

Description	Tube Size	Outside Dia.	Item No.
45° Elbows C x C	1/8 in	3/8 in	1VLX7
	1/4 in	3/8 in	5P036
	3/8 in	1/2 in	5P037
	1/2 in	5/8 in	5P038
	5/8 in	3/4 in	5P039
	3/4 in	7/8 in	5P040
	1 in	1 1/8 in	5P041
	1 1/4 in	1 3/8 in	5P042
	1 1/2 in	1 5/8 in	5P043
	2 in	2 1/8 in	5P044
FTG x C	1/4 in	3/8 in	1VLY2
	3/8 in	1/2 in	1VLY3
	1/2 in	5/8 in	5P045
	5/8 in	3/4 in	1VLY4
	3/4 in	7/8 in	5P046
	1 in	1 1/8 in	5P047
FTG x FTG	1/4 in	3/8 in	1VLY5
	1 1/2 in	1 5/8 in	1VLY6
	2 in	2 1/8 in	1VLY7
	2 1/2 in	2 5/8 in	1VLY8
	3 in	3 1/8 in	1VLY9
	3 1/2 in	3 5/8 in	1VLY9
	4 in	4 1/8 in	1VLY9

Description	Tube Size	Outside Dia.	Item No.
90° Elbows C x C	1/2 in	3/8 in	1VMB1
	2 1/2 in	2 5/8 in	1VMB3
	3 in	3 1/8 in	1VMA3
	4 in	4 1/8 in	1VMA4
90° Elbows—Close Rough	1/8 in	1/4 in	5P048
	1/4 in	3/8 in	5P049
	3/8 in	1/2 in	5P050
	1/2 in	5/8 in	5P051
	3/4 in	7/8 in	5P053
	1 in	1 1/8 in	5P054
	1 1/4 in	1 3/8 in	5P055
	1 1/2 in	1 5/8 in	5P056
	2 in	2 1/8 in	5P057
	2 1/2 in	2 5/8 in	5P058
	3 1/2 in	3 5/8 in	39R719
	5 in	5 1/8 in	39R711
6 in	6 1/8 in	39R680	
FTG x C	1/4 in	3/8 in	5P062
	3/8 in	1/2 in	5P063
	1/2 in	5/8 in	5P064
	3/4 in	7/8 in	5P065
	1 in	1 1/8 in	5P066
	1 1/4 in	1 3/8 in	5P067
FTG x FTG	1 1/2 in	1 5/8 in	1VMA6
	2 in	2 1/8 in	1VMA7
	2 1/2 in	2 5/8 in	1VMA8
	3 in	3 1/8 in	1VMA9
	4 in	4 1/8 in	39R704
	4 1/2 in	4 5/8 in	39R704
90° Elbows—Intermediate Radius C x C	1/2 in	5/8 in	39R590
	3/4 in	7/8 in	39R576
	1 in	1 1/8 in	39R714
	1 1/4 in	1 3/8 in	39R726
	1 1/2 in	1 5/8 in	39R727
	2 in	2 1/8 in	39R745
FTG x C	1/2 in	5/8 in	5P068
	5/8 in	3/4 in	5P069
	3/4 in	7/8 in	5P070
	1 in	1 1/8 in	5P071

Description	Tube Size	Outside Dia.	Item No.
90° Elbows—Long Radius C x C	1/8 in	1/4 in	5P083
	3/16 in	3/16 in	39R697
	1/4 in	3/8 in	5P084
	3/8 in	1/2 in	5P085
	1/2 in	5/8 in	5P086
	5/8 in	3/4 in	5P088
	3/4 in	7/8 in	5P089
	7/8 in	1 1/8 in	39R608
	1 in	1 1/8 in	5P090
	1 1/4 in	1 3/8 in	5P091
FTG x C	1 1/2 in	1 5/8 in	5P092
	2 in	2 1/8 in	5P093
	2 1/2 in	2 5/8 in	39R585
	3 in	3 1/8 in	39R593
	4 in	4 1/8 in	39R752
	4 1/2 in	4 5/8 in	39R752
FTG x FTG	1/4 in	3/8 in	1VMB5
	1/4 in	3/8 in	5P072
	3/8 in	1/2 in	1VMB6
	1/2 in	5/8 in	5P074
	5/8 in	3/4 in	5P075
	3/4 in	7/8 in	5P076
	1 in	1 1/8 in	1VMB7
	1 1/4 in	1 3/8 in	5P078
	1 1/2 in	1 5/8 in	1VMB8
	2 in	2 1/8 in	1VMB9
2 1/2 in	2 5/8 in	1VMC1	
3 in	3 1/8 in	1VMC2	

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† Mueller Streamline brand.