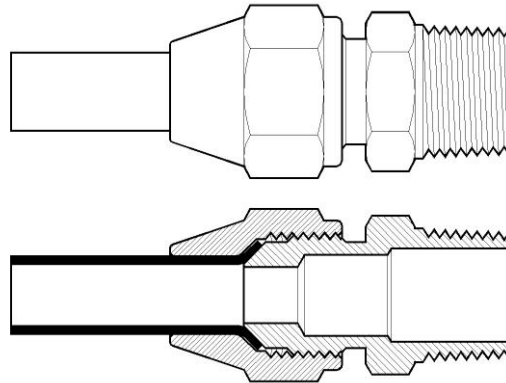


45° FLARE FITTINGS



CONSTRUCTION

- Two piece – body and nut
- Straights and shapes are manufactured from CA360, CA345 or CA377 brass
- 45° flare
- Heavy duty flare fittings are manufactured to SAE specifications

ADVANTAGES

- Low cost
- Available with long or short nuts
- Can be assembled and re-assembled repeatedly
- Resists mechanical pull-out
- Shapes are available as extrusions or forgings as indicated

APPLICATION

- Compatible with copper, brass, aluminum and steel hydraulic tubing that can be flared
- Used on low, medium and high pressure lines under the most adverse conditions
- Fair vibration resistance. The long nut offers greater support
- Temperature range from -65° to +250° F.

ORDERING INFORMATION

- Flare tube fittings are supplied less nuts
- Shapes which contain an “F” at the conclusion of the prefix are forged.

For example: E1F-6B is forged
E1F – 6B

NOTES

- Non-stock items and special parts are available on a quotation basis.
- Configurations and dimensions are subject to change without notice.



45° Flare Fittings

Bonnet

B1-4	1/4" O.D. Tube
B1-6	3/8" O.D. Tube
B1-8	1/2" O.D. Tube
B1-10	5/8" O.D. Tube



Gasket

B2-3	3/16" O.D. Tube
B2-4	1/4" O.D. Tube
B2-5	5/16" O.D. Tube
B2-6	3/8" O.D. Tube
B2-8	1/2" O.D. Tube
B2-10	5/8" O.D. Tube
B2-12	3/4" O.D. Tube



Cross Tube All Ends

C1-4444	1/4" O.D. Tube
C1-6666	3/8" O.D. Tube
C1-8888	1/2" O.D. Tube
C1-10101010	5/8" O.D. Tube



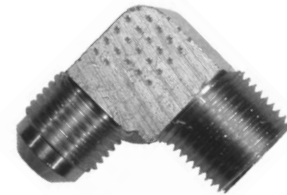
Drop Ear Elbow Tube to FPT

DE3-6D	3/8" O.D. Tube x 1/2" FPT
DE3-8D	1/2" O.D. Tube x 1/2" FPT
DE3-10D	5/8" O.D. Tube x 1/2" FPT



49 SERIES Elbow Tube to MPT

E1-2A	1/8" O.D. Tube x 1/8" MPT
E1-3A	3/16" O.D. Tube x 1/8" MPT
E1-3B	3/16" O.D. Tube x 1/4" MPT
E1-4A	1/4" O.D. Tube x 1/8" MPT
E1-4B	1/4" O.D. Tube x 1/4" MPT
E1-4C	1/4" O.D. Tube x 3/8" MPT
E1-4D	1/4" O.D. Tube x 1/2" MPT
E1-5A	5/16" O.D. Tube x 1/8" MPT

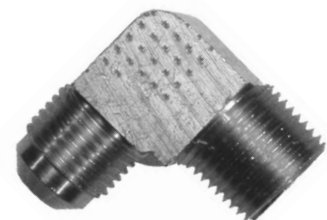
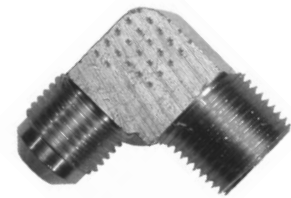


45° FLARE FITTINGS SERIES



49 SERIES	Elbow Tube to MPT
E1-5B	5/16" O.D. Tube x 1/4" MPT
E1-6A	3/8" O.D. Tube x 1/8" MPT
E1-6B	3/8" O.D. Tube x 1/4" MPT
E1-6C	3/8" O.D. Tube x 3/8" MPT
E1-6D	3/8" O.D. Tube x 1/2" MPT
E1-6E	3/8" O.D. Tube x 3/4" MPT
E1-8B	1/2" O.D. Tube x 1/2" MPT
E1-8C	1/2" O.D. Tube x 3/8" MPT
E1-8D	1/2" O.D. Tube x 1/2" MPT
E1-8E	1/2" O.D. Tube x 3/4" MPT
E1-10B	5/8" O.D. Tube x 1/4" MPT
E1-10C	5/8" O.D. Tube x 3/8" MPT
E1-10D	5/8" O.D. Tube x 1/2" MPT
E1-10E	5/8" O.D. Tube x 3/4" MPT
E1-12C	3/4" O.D. Tube x 3/8" MPT
E1-12D	3/4" O.D. Tube x 1/2" MPT
E1-12E	3/4" O.D. Tube x 3/4" MPT
E1-14E	7/8" O.D. Tube x 3/4" MPT
E1-16E	1" O.D. Tube x 3/4" MPT
E1-16F	1" O.D. Tube x 1" MPT

49 SERIES	Elbow Flare to MPT (REF SAE 010202)
RE1-4A	1/4" O.D. Tube x 1/8" MPT
RE1-4B	1/4" O.D. Tube x 1/4" MPT
RE1-4C	1/4" O.D. Tube x 3/8" MPT
RE1-5A	5/16" O.D. Tube x 1/8" MPT
RE1-5B	5/16" O.D. Tube x 1/4" MPT
RE1-6A	5/16" O.D. Tube x 1/4" MPT
RE1-6B	3/8" O.D. Tube x 1/8" MPT
RE1-6C	3/8" O.D. Tube x 1/4" MPT
RE1-6D	3/8" O.D. Tube x 3/8" MPT
RE1-8B	3/8" O.D. Tube x 1/2" MPT
RE1-8C	1/2" O.D. Tube x 3/8" MPT
RE1-8D	1/2" O.D. Tube x 1/2" MPT
RE1-8E	1/2" O.D. Tube x 3/4" MPT
RE1-10C	5/8" O.D. Tube x 3/8" MPT
RE1-10D	5/8" O.D. Tube x 1/2" MPT
RE1-10E	5/8" O.D. Tube x 3/4" MPT



45° FLARE FITTINGS SERIES



59 SERIES Elbow, 45° Tube to MPT

E1-45-4A	1/4" O.D. Tube x 1/8" MPT
E1-45-4B	1/4" O.D. Tube x 1/4" MPT
E1-45-5A	5/16" O.D. Tube x 1/8" MPT
E1-45-5B	5/16" O.D. Tube x 1/4" MPT
E1-45-6B	3/8" O.D. Tube x 1/8" MPT
E1-45-6C	3/8" O.D. Tube x 1/4" MPT
E1-45-6D	3/8" O.D. Tube x 3/8" MPT
E1-45-8C	1/2" O.D. Tube x 3/8" MPT
E1-45-8D	1/2" O.D. Tube x 1/2" MPT
E1-45-10C	5/8" O.D. Tube x 3/8" MPT
E1-45-10D	5/8" O.D. Tube x 1/2" MPT
E1-45-12D	3/4" O.D. Tube x 1/2" MPT
E1-45-12E	3/4" O.D. Tube x 3/4" MPT

55 SERIES Elbow Tube Both Ends

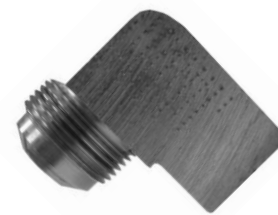
E2-2	1/8" O.D. Tube
E2-3	3/16" O.D. Tube
E2-4	1/4" O.D. Tube
E2-5	5/16" O.D. Tube
E2-6	3/8" O.D. Tube
E2-8	1/2" O.D. Tube
E2-10	5/8" O.D. Tube
E2-12	3/4" O.D. Tube
E2-14	7/8" O.D. Tube

55 SERIES Elbow, Reducing Tube Both Ends

ER2-64	3/8" O.D. Tube x 1/4" O.D. Tube
ER2-84	1/2" O.D. Tube x 1/4" O.D. Tube
ER2-86	1/2" O.D. Tube x 3/8" O.D. Tube
ER2-106	5/8" O.D. Tube x 3/8" O.D. Tube
ER2-108	5/8" O.D. Tube x 1/2" O.D. Tube

50 SERIES Elbow Tube to FPT

E3-4A	1/4" O.D. Tube x 1/8" FPT
E3-4B	1/4" O.D. Tube x 1/4" FPT
E3-4C	1/4" O.D. Tube x 3/8" FPT
E3-5A	5/16" O.D. Tube x 1/8" FPT
E3-5B	5/16" O.D. Tube x 1/4" FPT
E3-6A	3/8" O.D. Tube x 1/8" FPT
E3-6B	3/8" O.D. Tube x 1/4" FPT
E3-6C	3/8" O.D. Tube x 3/8" FPT
E3-6D	3/8" O.D. Tube x 1/2" FPT



45° FLARE FITTINGS SERIES



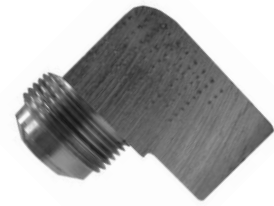
50 SERIES	Elbow Tube to FPT
E3-6E	3/8" O.D. Tube x 3/4" FPT
E3-8B	1/2" O.D. Tube x 1/4" FPT
E3-8C	1/2" O.D. Tube x 3/8" FPT
E3-8D	1/2" O.D. Tube x 1/2" FPT
E3-8E	1/2" O.D. Tube x 3/4" FPT
E3-10C	5/8" O.D. Tube x 3/8" FPT
E3-10D	5/8" O.D. Tube x 1/2" FPT
E3-10E	5/8" O.D. Tube x 3/4" FPT

(Use w/ B2 Series)	Elbow Tube to Female Flare
E4-444	1/4" O.D. Tube x 1/4" O.D. Tube
E4-666	3/8" O.D. Tube x 3/8" O.D. Tube

	Elbow Flare to Flare Swivel
ES4-44	1/4" O.D. Tube x 1/4" O.D. Tube
ES4-66	3/8" O.D. Tube x 3/8" O.D. Tube
ES4-88	1/2" O.D. Tube x 1/2" O.D. Tube

	Cylinder Valve Adapter (REF SAE 010165)
K1-1	1/4" O.D. Tube x 3/4" FPT
K1-8	1/4" O.D. Tube x 1/2" FPT

	Machined Nut (REF SAE 010110)
41AS-6	3/8" O.D. Tube
41AS-8	1/2" O.D. Tube
41AS-10	5/8" O.D. Tube



45° FLARE FITTINGS SERIES



41 SERIES		Machined Nut Short
N1-2	1/8" O.D. Tube	
N1-3	3/16" O.D. Tube	
N1-4	1/4" O.D. Tube	
N1-5	5/16" O.D. Tube	
N1-6	3/8" O.D. Tube	
N1-64	3/8" O.D. Tube x 1/4" O.D. Tube	
N1-7	7/16" O.D. Tube	
N1-8	1/2" O.D. Tube	
N1-86	1/2" O.D. Tube x 3/8" O.D. Tube	
N1-10	5/8" O.D. Tube	
N1-12	3/4" O.D. Tube	
N1-14	7/8" O.D. Tube	
N1-16		

		Machined Nut Long (REF SAE 010111)
N2-2	1/8" O.D. Tube	
N2-3	3/16" O.D. Tube	
N2-4	1/4" O.D. Tube	
N2-5	5/16" O.D. Tube	
N2-6	3/8" O.D. Tube	
N2-8	1/2" O.D. Tube	
N2-10	5/8" O.D. Tube	
N2-12	3/4" O.D. Tube	

		Forged Nut Long (REF SAE 010167)
N4-4	1/4" O.D. Tube	
N4-6	3/8" O.D. Tube	
N4-8	1/2" O.D. Tube	
N4-10	5/8" O.D. Tube	
N4-108	5/8" O.D. Tube x 1/2" O.D. Tube	
N4-12	3/4" O.D. Tube	

		Forged Nut Short
NS4-3	3/16" O.D. Tube	
NS4-4	1/4" O.D. Tube	
NS4-5	5/16" O.D. Tube	
NS4-6	3/8" O.D. Tube	
NS4-8	1/2" O.D. Tube	
NS4-10	5/8" O.D. Tube	
NS4-12	3/4" O.D. Tube	
NS4-14	7/8" O.D. Tube	



45° FLARE FITTINGS SERIES



Forged Nut Short, Reducing

NSR4-64	3/8" x 1/4" O.D. Tubes
NSR4-65	3/8" x 5/16" O.D. Tubes
NSR4-86	1/2" x 3/8" O.D. Tubes
NSR4-106	5/8" x 3/8" O.D. Tubes
NSR4-108	5/8" x 1/2" O.D. Tubes

40 SERIES Cap

N5-3	3/16" O.D. Tube
N5-4	1/4" O.D. Tube
N5-5	5/16" O.D. Tube
N5-6	3/8" O.D. Tube
N5-8	1/2" O.D. Tube
N5-10	5/8" O.D. Tube
N5-12	3/4" O.D. Tube

39 SERIES Plug

P2-3	3/16" O.D. Tube
P2-4	1/4" O.D. Tube
P2-5	5/16" O.D. Tube
P2-6	3/8" O.D. Tube
P2-8	1/2" O.D. Tube
P2-10	5/8" O.D. Tube
P2-12	3/4" O.D. Tube

45 SERIES Male Branch Tee (REF SAE 010425)

T1-2A	1/8" O.D. Tube x 1/8" MPT
T1-3A	3/16" O.D. Tube x 1/8" MPT
T1-4A	1/4" O.D. Tube x 1/8" MPT
T1-4B	1/4" O.D. Tube x 1/4" MPT
T1-4C	1/4" O.D. Tube x 3/8" MPT
T1-5A	5/16" O.D. Tube x 1/8" MPT
T1-5B	5/16" O.D. Tube x 1/4" MPT
T1-6A	3/8" O.D. Tube x 1/8" MPT
T1-6B	3/8" O.D. Tube x 1/4" MPT
T1-6C	3/8" O.D. Tube x 3/8" MPT
T1-6D	3/8" O.D. Tube x 1/2" MPT
T1-8C	1/2" O.D. Tube x 3/8" MPT
T1-8D	1/2" O.D. Tube x 1/2" MPT
T1-10D	5/8" O.D. Tube x 1/2" MPT
T1-12D	3/4" O.D. Tube x 1/2" MPT
T1-12E	3/4" O.D. Tube x 3/4" MPT



45° FLARE FITTINGS SERIES



Female Branch Tee

TF1-4A	1/4" O.D. Tube x 1/8" FPT
TF1-4B	1/4" O.D. Tube x 1/4" FPT
TF1-6B	3/8" O.D. Tube x 1/4" FPT
TF1-6C	3/8" O.D. Tube x 3/8" FPT
TF1-6D	3/8" O.D. Tube x 1/2" FPT
TF1-8C	1/2" O.D. Tube x 3/8" FPT
TF1-8D	1/2" O.D. Tube x 1/2" FPT

44 SERIES Tee Tube All Ends

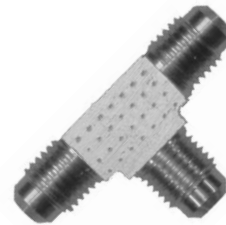
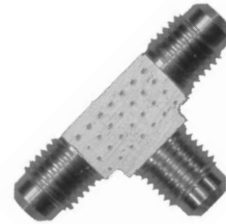
T2-2	1/8" O.D. Tube
T2-3	3/16" O.D. Tube
T2-4	1/4" O.D. Tube
T2-5	5/16" O.D. Tube
T2-6	3/8" O.D. Tube
T2-8	1/2" O.D. Tube
T2-10	5/8" O.D. Tube
T2-12	3/4" O.D. Tube

44 SERIES Tee Tube All Ends (REF SAE 010401)

RT2-4	1/4" O.D. Tube
RT2-6	3/8" O.D. Tube
RT2-8	1/2" O.D. Tube
RT2-10	5/8" O.D. Tube

44 SERIES Tee, Reducing Flare All Ends

TR2-446	1/4" x 1/4" x 3/8" O.D. Tube
TR2-464	1/4" x 3/8" x 1/4" O.D. Tube
TR2-466	1/4" x 3/8" x 3/8" O.D. Tube
TR2-664	3/8" x 3/8" x 1/4" O.D. Tube
TR2-668	3/8" x 3/8" x 1/2" O.D. Tube
TR2-6610	3/8" x 3/8" x 5/8" O.D. Tube
TR2-686	3/8" x 1/2" x 3/8" O.D. Tube
TR2-6106	3/8" x 5/8" x 3/8" O.D. Tube
TR2-868	1/2" x 3/8" x 1/2" O.D. Tube
TR2-884	1/2" x 1/2" x 1/4" O.D. Tube
TR2-886	1/2" x 1/2" x 3/8" O.D. Tube
TR2-8810	1/2" x 1/2" x 5/8" O.D. Tube
TR2-10106	5/8" x 5/8" x 3/8" O.D. Tube
TR2-10108	5/8" x 5/8" x 1/2" O.D. Tube
TR2-10810	5/8" x 1/2" x 5/8" O.D. Tube



45° FLARE FITTINGS SERIES



51 SERIES	Male Run Tee Tube to MPT to Tube
T3-3A	3/16" O.D. Tube x 1/8" MPT
T3-4A	1/4" O.D. Tube x 1/8" MPT
T3-4B	1/4" O.D. Tube x 1/4" MPT
T3-4C	1/4" O.D. Tube x 3/8" MPT
T3-5A	5/16" O.D. Tube x 1/8" MPT
T3-5B	5/16" O.D. Tube x 1/4" MPT
T3-6A	3/8" O.D. Tube x 1/8" MPT
T3-6B	3/8" O.D. Tube x 1/4" MPT
T3-6C	3/8" O.D. Tube x 3/8" MPT
T3-6D	3/8" O.D. Tube x 1/2" MPT
T3-8C	1/2" O.D. Tube x 3/8" MPT
T3-8D	1/2" O.D. Tube x 1/2" MPT
T3-10D	5/8" O.D. Tube x 1/2" MPT
T3-12D	3/4" O.D. Tube x 1/2" MPT
T3-12E	3/4" O.D. Tube x 3/4" MPT

	Street Tee MPT to FPT to Tube
T4-4A	1/4" O.D. Tube x 1/8" Pipe Thread
T4-4B	1/4" O.D. Tube x 1/4" Pipe Thread

48 SERIES	Connector Tube to MPT
U1-2A	1/8" O.D. Tube x 1/8" MPT
U1-3A	3/16" O.D. Tube x 1/8" MPT
U1-4A	1/4" O.D. Tube x 1/8" MPT
U1-4B	1/4" O.D. Tube x 1/4" MPT
U1-4C	1/4" O.D. Tube x 3/8" MPT
U1-4D	1/4" O.D. Tube x 1/2" MPT
U1-5A	5/16" O.D. Tube x 1/8" MPT
U1-5B	5/16" O.D. Tube x 1/4" MPT
U1-5C	5/16" O.D. Tube x 3/8" MPT
U1-6A	3/8" O.D. Tube x 1/8" MPT
U1-6B	3/8" O.D. Tube x 1/4" MPT
U1-6C	3/8" O.D. Tube x 3/8" MPT
U1-6D	3/8" O.D. Tube x 1/2" MPT
U1-6E	3/8" O.D. Tube x 3/4" MPT
U1-8B	1/2" O.D. Tube x 1/4" MPT
U1-8C	1/2" O.D. Tube x 3/8" MPT
U1-8D	1/2" O.D. Tube x 1/2" MPT
U1-8E	1/2" O.D. Tube x 3/4" MPT
U1-10B	5/8" O.D. Tube x 1/4" MPT
U1-10C	5/8" O.D. Tube x 3/8" MPT



45° FLARE FITTINGS SERIES



48 SERIES	Connector Tube to MPT
U1-10D	5/8" O.D. Tube x 1/2" MPT
U1-10E	5/8" O.D. Tube x 3/4" MPT
U1-12D	3/4" O.D. Tube x 1/2" MPT
U1-12E	3/4" O.D. Tube x 3/4" MPT
U1-14E	7/8" O.D. Tube x 3/4" MPT

48 SERIES	Connector Tube to MPT (REF SAE 010102)
RU1-4A	1/4" O.D. Tube x 1/8" MPT
RU1-4B	1/4" O.D. Tube x 1/4" MPT
RU1-4C	1/4" O.D. Tube x 3/8" MPT
RU1-4D	1/4" O.D. Tube x 1/2" MPT
RU1-5A	5/16" O.D. Tube x 1/8" MPT
RU1-5B	5/16" O.D. Tube x 1/4" MPT
RU1-6A	3/8" O.D. Tube x 1/8" MPT
RU1-6B	3/8" O.D. Tube x 1/4" MPT
RU1-6C	3/8" O.D. Tube x 3/8" MPT
RU1-6D	3/8" O.D. Tube x 1/2" MPT
RU1-6E	3/8" O.D. Tube x 3/4" MPT
RU1-8B	1/2" O.D. Tube x 1/4" MPT
RU1-8C	1/2" O.D. Tube x 3/8" MPT
RU1-8D	1/2" O.D. Tube x 1/2" MPT
RU1-8E	1/2" O.D. Tube x 3/4" MPT
RU1-10C	5/8" O.D. Tube x 3/8" MPT
RU1-10D	5/8" O.D. Tube x 1/2" MPT
RU1-10E	5/8" O.D. Tube x 3/4" MPT

42 SERIES	Union Tube Both Ends
U2-2	1/8" O.D. Tube
U2-3	3/16" O.D. Tube
U2-4	1/4" O.D. Tube
U2-5	5/16" O.D. Tube
U2-6	3/8" O.D. Tube
U2-8	1/2" O.D. Tube
U2-10	5/8" O.D. Tube
U2-12	3/4" O.D. Tube
U2-14	7/8" O.D. Tube



45° FLARE FITTINGS SERIES



42 SERIES	Union Tube Both Ends (REF SAE 010101)
RU2-4	1/4" O.D. Tube
RU2-6	3/8" O.D. Tube
RU2-8	1/2" O.D. Tube
RU2-10	5/8" O.D. Tube
RU2-12	3/4" O.D. Tube

42 SERIES	Union, Reducing Tube Both Ends
UR2-64	3/8" x 1/4" O.D. Tube
UR2-65	3/8" x 5/16" O.D. Tube
UR2-84	1/2" x 1/4" O.D. Tube
UR2-86	1/2" x 3/8" O.D. Tube
UR2-106	5/8" x 3/8" O.D. Tube
UR2-108	5/8" x 1/2" O.D. Tube
UR2-128	3/4" x 1/2" O.D. Tube
UR2-1210	3/4" x 5/8" O.D. Tube

42 SERIES	Union, Reducing Tube Both Ends (REF SAE 010101)
RUR2-64	3/8"x1/4" Union
RUR2-86	1/2"x3/8" Union
RUR2-106	5/8"x3/8" Union
RUR2-108	5/8"x1/2" Union

	Reducing Female to Male Flare (REF SAE 010105)
UR3-46	1/4" Female Flare O.D. x 3/8" Male Flare O.D.
UR3-64	3/8" Female Flare O.D. x 1/4" Male Flare O.D.
UR3-68	3/8" Female Flare O.D. x 1/2" Male Flare O.D.
UR3-86	1/2" Female Flare O.D. x 3/8" Male Flare O.D.
UR3-810	1/2" Female Flare O.D. x 5/8" Male Flare O.D.
UR3-108	5/8" Female Flare O.D. x 1/2" Male Flare O.D.

46 SERIES	Adapter Tube to FPT
U3-3A	3/16" O.D. Tube x 1/8" FPT
U3-4A	1/4" O.D. Tube x 1/8" FPT
U3-4B	1/4" O.D. Tube x 1/4" FPT
U3-4C	1/4" O.D. Tube x 3/8" FPT
U3-4D	1/4" O.D. Tube x 1/2" FPT
U3-5A	5/16" O.D. Tube x 1/8" FPT
U3-5B	5/16" O.D. Tube x 1/4" FPT
U3-6A	3/8" O.D. Tube x 1/8" FPT
U3-6B	3/8" O.D. Tube x 1/4" FPT
U3-6C	3/8" O.D. Tube x 3/8" FPT
U3-6D	3/8" O.D. Tube x 1/2" FPT



45° FLARE FITTINGS SERIES

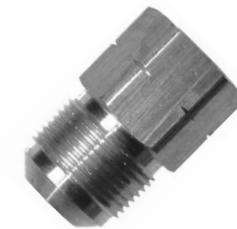
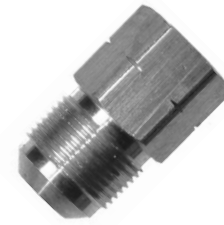


46 SERIES	Adapter Tube to FPT
U3-6E	3/8" O.D. Tube x 3/4" FPT
U3-8B	1/2" O.D. Tube x 1/4" FPT
U3-8C	1/2" O.D. Tube x 3/8" FPT
U3-8D	1/2" O.D. Tube x 1/2" FPT
U3-8E	1/2" O.D. Tube x 3/4" FPT
U3-10C	5/8" O.D. Tube x 3/8" FPT
U3-10D	5/8" O.D. Tube x 1/2" FPT
U3-10E	5/8" O.D. Tube x 3/4" FPT
U3-12D	3/4" O.D. Tube x 1/2" FPT
U3-12E	3/4" O.D. Tube x 3/4" FPT
U3-14E	7/8" O.D. Tube x 3/4" FPT

46 SERIES	Adapter Tube to FPT (REF SAE 010103)
RU3-4A	1/4" O.D. Tube x 1/8" FPT
RU3-4B	1/4" O.D. Tube x 1/4" FPT
RU3-6B	3/8" O.D. Tube x 1/4" FPT
RU3-6C	3/8" O.D. Tube x 3/8" FPT
RU3-6D	3/8" O.D. Tube x 1/2" FPT
RU3-8C	1/2" O.D. Tube x 3/8" FPT
RU3-8D	1/2" O.D. Tube x 1/2" FPT
RU3-10D	5/8" O.D. Tube x 1/2" FPT
RU3-10E	5/8" O.D. Tube x 3/4" FPT

	Connector Flare to Solder
US3-44	1/4" O.D. Tube x 1/4" Solder
US3-46	1/4" O.D. Tube x 3/8" Solder
US3-66	3/8" O.D. Tube x 3/8" Solder
US3-88	1/2" O.D. Tube x 1/2" Solder
US3-1010	5/8" O.D. Tube x 5/8" Solder
US3-1214	3/4" O.D. Tube x 7/8" Solder

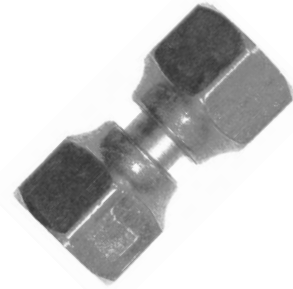
	Connector Flare Both Ends (REF SAE 010107)
U4-4	1/4" O.D. Tube
U4-6	3/8" O.D. Tube
U4-8	1/2" O.D. Tube



45° FLARE FITTINGS SERIES



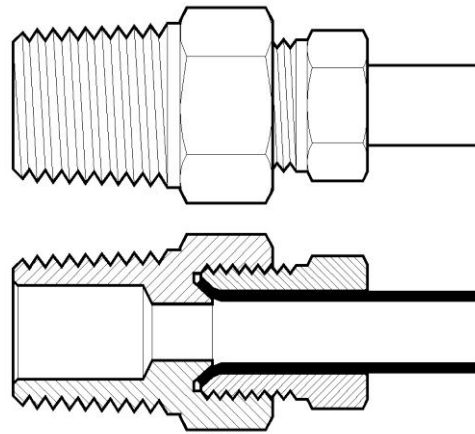
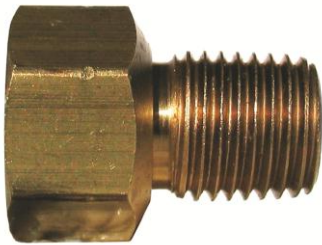
	Swivel Connector Flare Both Ends
US4-4	1/4" O.D. Tubes
US4-5	5/16" O.D. Tubes
US4-6	3/8" O.D. Tubes
US4-64	3/8" x 1/4" O.D. Tubes
US4-8	1/2" O.D. Tubes
US4-10	5/8" O.D. Tubes
US4-108	5/8" x 1/2" O.D. Tubes
US4-12	3/4" O.D. Tubes



45° FLARE FITTINGS SERIES



INVERTED FLARE FITTINGS



CONSTRUCTION

- Two piece – body and nut
- Straights and shapes are manufactured from CA360 or CA345 brass except for steel nuts as indicated

ADVANTAGES

- Low cost
- Can be assembled and disassembled repeatedly
- Resists mechanical pull-out
- Seats and threads are recessed and protected from damage
- Short bodies and nuts allow a compact installation

APPLICATIONS

- Compatible with copper, brass, aluminum and steel hydraulic tubing that can be flared
- Used on low, medium or high pressure lines
- Fair vibration resistance
- Temperature range from -65° to $+250^{\circ}$ F.

ORDERING INFORMATION

- Inverted flare fittings are supplied less nuts
- Nomenclature example:
48I – 6A

NOTES

- Non-stock items and special parts are available on a quotation basis.
- Configurations and dimensions are subject to change without notice.



Brass Inverted Flare Fittings
41IB SERIES Nut, Brass (REF SAE 040110)

41IB-2	1/8" O.D. Tube
41IB-3	3/16" O.D. Tube
41IB-4	1/4" O.D. Tube
41IB-5	5/16" O.D. Tube
41IB-6	3/8" O.D. Tube
41IB-8	1/2" O.D. Tube
41IB-10	5/8" O.D. Tube

41IS SERIES Nut, Steel (REF SAE 040110)

41IS-2	1/8" O.D. Tube
41IS-3	3/16" O.D. Tube
41IS-4	1/4" O.D. Tube
41IS-5	5/16" O.D. Tube
41IS-6	3/8" O.D. Tube
41IS-8	1/2" O.D. Tube
41IS-10	5/8" O.D. Tube
41IS-12	3/4" O.D. Tube

41IP SERIES Plug

41IP-3	3/16" O.D. Tube
41IP-4	1/4" O.D. Tube
41IP-5	5/16" O.D. Tube
41IP-6	3/8" O.D. Tube

42I SERIES Union Tube Both Ends (REF SAE 040101)

42I-2	1/8" O.D. Tubes
42I-3	3/16" O.D. Tubes
42I-4	1/4" O.D. Tubes
42I-5	5/16" O.D. Tubes
42I-6	3/8" O.D. Tubes
42I-8	1/2" O.D. Tubes

44I SERIES Tee Tube All Ends (REF SAE 040101)

44I-3	3/16" O.D. Tubes
44I-4	1/4" O.D. Tubes
44I-5	5/16" O.D. Tubes
44I-6	3/8" O.D. Tubes
44I-8	1/2" O.D. Tubes


INVERTED FLARE FITTINGS SERIES


46I SERIES	Adapter Tube to FPT (REF SAE 040103)
46I-3A	3/16" O.D. Tube x 1/8" FPT
46I-4A	1/4" O.D. Tube x 1/8" FPT
46I-5A	5/16" O.D. Tube x 1/8" FPT
46I-6B	3/8" O.D. Tube x 1/4" FPT
46I-8C	1/2" O.D. Tube x 3/8" FPT

48I SERIES	Connector Tube to MPT (REF SAE 040102)
48I-2A	1/8" O.D. Tube x 1/8" Connector Tube to MPT
48I-3A	3/16" O.D. Tube x 1/8" Connector Tube to MPT
48I-4A	1/4" O.D. Tube x 1/8" Connector Tube to MPT
48I-4B	1/4" O.D. Tube x 1/4" Connector Tube to MPT
48I-5A	5/16" O.D. Tube x 1/8" Connector Tube to MPT
48I-5B	5/16" O.D. Tube x 1/4" Connector Tube to MPT
48I-6A	3/8" O.D. Tube x 1/8" Connector Tube to MPT
48I-6B	3/8" O.D. Tube x 1/4" Connector Tube to MPT
48I-6C	3/8" O.D. Tube x 3/8" Connector Tube to MPT
48I-8B	1/2" O.D. Tube x 1/4" Connector Tube to MPT
48I-8C	1/2" O.D. Tube x 3/8" Connector Tube to MPT
48I-8D	1/2" O.D. Tube x 1/2" Connector Tube to MPT
48I-10D	5/8" O.D. Tube x 1/2" Connector Tube to MPT

49I SERIES	Elbow, 90° Tube to MPT (REF SAE 040102)
49I-2A	1/8"x1/8" Elbow, 90° Tube to MPT
49I-3A	3/16"x1/8" Elbow, 90° Tube to MPT
49I-4A	1/4"x1/8" Elbow, 90° Tube to MPT
49I-4B	1/4"x1/4" Elbow, 90° Tube to MPT
49I-5A	5/16"x1/8" Elbow, 90° Tube to MPT
49I-5B	5/16"x1/4" Elbow, 90° Tube to MPT
49I-6A	3/8"x1/8" Elbow, 90° Tube to MPT
49I-6B	3/8"x1/4" Elbow, 90° Tube to MPT
49I-6C	3/8"x3/8" Elbow, 90° Tube to MPT
49I-8B	1/2"x1/4" Elbow, 90° Tube to MPT
49I-8C	1/2"x3/8" Elbow, 90° Tube to MPT
49I-8D	1/2"x1/2" Elbow, 90° Tube to MPT
49I-10C	5/8"x3/8" Elbow, 90° Tube to MPT
49I-10D	5/8"x1/2" Elbow, 90° Tube to MPT



INVERTED FLARE FITTINGS SERIES



50I SERIES	Elbow Tube to FPT
50I-4A	1/4"x1/8" Elbow Tube to FPT
50I-6B	3/8"x1/4" Elbow Tube to FPT

94I SERIES	Elbow, 45° Tube to MPT
94I-3A	3/16"x1/8" Elbow, 45° Tube to MPT
94I-4A	1/4"x1/8" Elbow, 45° Tube to MPT
94I-5A	5/16"x1/8" Elbow, 45° Tube to MPT
94I-5B	5/16"x1/4" Elbow, 45° Tube to MPT
94I-6B	3/8"x1/4" Elbow, 45° Tube to MPT
94I-8C	1/2"x3/8" Elbow, 45° Tube to MPT
94I-10D	5/8"x1/2" Elbow, 45° Tube to MPT



INVERTED FLARE FITTINGS SERIES

