





BRASS FLARE FITTINGS

CONSTRUCTION	• CA360, CA345, CA3604, CA377 Brass 
APPLICATIONS	• Compatible with copper, brass, aluminum and steel hydraulic tubing that can be flared
RANGES	Temperature Range: -65° to +250° F.  Pressure Range: Maximum working pressure (PSI) depends on the tubing material, O.D. wall thickness and fitting.



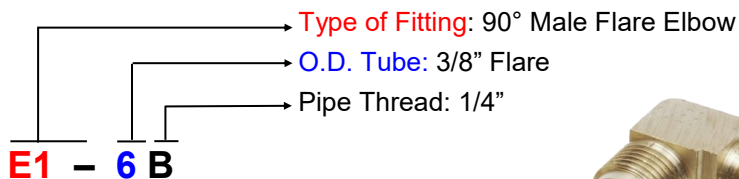
Flare Fitting Assembly:

1. Make sure the tubing is cut squarely with a tube cutter. After cutting, make sure the tube is clean and free of burrs.
2. Move the flare nut over of the tubing.
3. Flare the end of the tubing with a flaring tool.
4. Screw the nut and the connecting fitting together hand tight. Then tighten with a wrench 1/4 to 1/2 turn past hand-tight. There should be a metal to metal seal.



ORDERING INFORMATION

- Parts that include “PBF” are supplied as low lead compliant fittings.
- Part numbers without the “PBF” distinction are NOT lead free compliant.
- Nomenclature Example:



NOTES

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

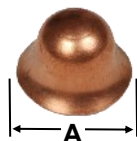




B1 Bonnet 	B2 Gasket 	C1 Cross Tube All Ends 	DE3 Drop Ear Elbow 	E1 90° Male Flare Elbow 	RE1 (SAE) 90° Male Flare Elbow 
E1-45 45° Male Elbow 	E2 90° Union Elbow 	ER2 90° Reducing Elbow 	E3 90° Female Flare Elbow 	E4 90° Tube to Female Flare 	ES4 90° Tube to FM Swivel 
K1 Cylinder Valve Adapter 	41AS (SAE) Machined Nut 	NSE1 Extra Short Nut 	N1 Machined Short Nut 	N2 (SAE) Machined Long Nut 	N4 (SAE) Forged Long Nut 
NS4 Forged Short Nut 	RNS4 (SAE) Forged Short Nut 	NS4R Forged Reducing Nut 	N5 Flare Cap 	P2 Flare Plug 	T1 Flare Branch Tee 
T2 Flare Union Tee 	RT2 (SAE) Flare Union Tee 	TR2 Reducing Union Tee 	T3 Flare Run Tee 	T4 Flare Street Tee 	U1 Male Flare Connector 
RU1 (SAE) Male Flare Connector 	U2 Flare Union 	RU2 (SAE) Flare Union 	UR2 Union Reducer 	RUR2 (SAE) Union Reducer 	UR3 Reducer FM to M Flare 
U3 Flare to FPT 	RU3 (SAE) Flare to FPT 	US3 Flare to Solder 	U4 Flare Connector 	US4 Swivel Flare Connector 	

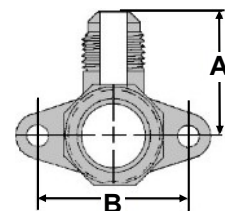
B1 BONNET

PART NUMBER	O.D. TUBE	A
B1-4	1/4"	.35
B1-6	3/8"	.54
B1-8	1/2"	.65
B1-10	5/8"	.76



DE3 DROP EAR ELBOW

PART NUMBER	O.D. TUBE	FPT	A	B
DE3-6D	3/8"	1/2"	1.23	1.38
DE3-8D	1/2"	1/2"	1.31	1.38



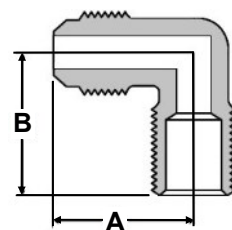
B2 GASKET

PART NUMBER	O.D. TUBE	A
B2-4	1/4"	.35
B2-6	3/8"	.54
B2-8	1/2"	.65
B2-10	5/8"	.76
B2-12	3/4"	.94



E1 90° MALE FLARE ELBOW

PART NUMBER	O.D. TUBE	MPT	A	B
E1F-2A	1/8"	1/8"	.62	.68
E1F-3A	3/16"	1/8"	.76	.76
E1-3A	3/16"	1/8"	.75	.75
E1F-3B	3/16"	1/4"	.80	.89
E1F-4A	1/4"	1/8"	.81	.78
E1-4A	1/4"	1/8"	.81	.78
E1F-4B	1/4"	1/4"	.81	.88
E1-4B	1/4"	1/4"	.91	.93
E1F-4C	1/4"	3/8"	.97	.95
E1-4C	1/4"	3/8"	.91	1.04
E1F-4D	1/4"	1/2"	1.03	1.09
E1F-5A	5/16"	1/8"	.93	.84
E1-5A	5/16"	1/8"	.91	.84
E1F-5B	5/16"	1/4"	.93	.88
E1F-5C	5/16"	3/8"	.97	.91
E1F-6A	3/8"	1/8"	.97	.91
E1F-6B	3/8"	1/4"	.97	1.04
E1-6B	3/8"	1/4"	.97	1.04
E1F-6C	3/8"	3/8"	1.00	.91
E1-6C	3/8"	3/8"	1.05	1.04
E1F-6D	3/8"	1/2"	1.09	1.09
E1F-6E	3/8"	3/4"	1.25	1.19
E1F-8B	1/2"	1/4"	1.19	1.00
E1-8B	1/2"	1/4"	1.16	1.09
E1F-8C	1/2"	3/8"	1.19	1.00
E1-8C	1/2"	3/8"	1.16	1.09



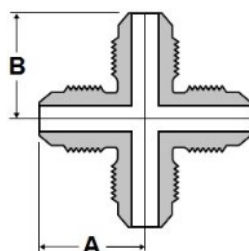
Barstock Style



Forged Style

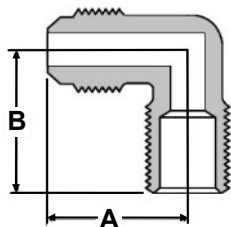
C1 CROSS TUBE ALL ENDS

PART NUMBER	O.D. TUBE	A	B
C1-4444	1/4"	.89	.89
C1-6666	3/8"	1.00	1.00
C1-8888	1/2"	1.12	1.12
C1-10101010	5/8"	1.43	1.43



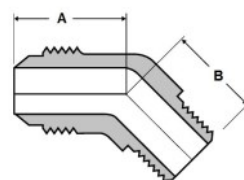
E1 90° MALE FLARE ELBOW

PART NUMBER	O.D. TUBE	MPT	A	B
E1F-8D	1/2"	1/2"	1.12	1.15
E1-8D	1/2"	1/2"	1.16	1.25
E1F-8E	1/2"	3/4"	1.41	1.25
E1F-10B	5/8"	1/4"	1.58	1.54
E1-10C	5/8"	3/8"	1.34	1.12
E1F-10D	5/8"	1/2"	1.28	1.29
E1-10D	5/8"	1/2"	1.34	1.22
E1F-10E	5/8"	3/4"	1.38	1.31
E1F-12C	3/4"	3/8"	1.62	1.44
E1F-12D	3/4"	1/2"	1.66	1.50
E1F-12E	3/4"	3/4"	1.66	1.62
E1F-14E	7/8"	3/4"	1.69	1.78
E1F-16E	1"	3/4"	1.93	2.04
E1F-16F	1"	1"	1.93	1.77



E1-45 45° MALE FLARE ELBOW

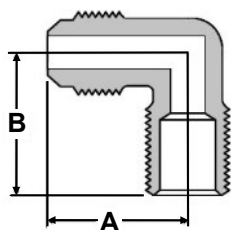
PART NUMBER	O.D. TUBE	MPT	A	B
E1-45-4A	1/4"	1/8"	.64	.67
E1-45-4B	1/4"	1/4"	.86	.75
E1-45-5A	5/16"	1/8"	.67	.78
E1-45-5B	5/16"	1/4"	.86	.81
E1-45-6B	3/8"	1/4"	.86	.89
E1-45-6C	3/8"	3/8"	.86	.89
E1-45-6D	3/8"	1/2"	1.05	1.08
E1-45-8C	1/2"	3/8"	1.10	1.10
E1-45-8D	1/2"	1/2"	1.20	1.44
E1-45-10C	5/8"	3/8"	1.19	.97
E1-45-10D	5/8"	1/2"	1.17	1.23
E1-45-12D	3/4"	1/2"	1.30	1.10
E1-45-12E	3/4"	3/4"	1.28	1.19



REF SAE 010201

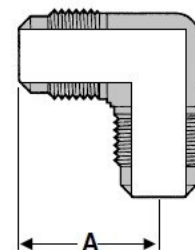
RE1 90° MALE FLARE ELBOW

PART NUMBER	O.D. TUBE	MPT	A	B
RE1-4A	1/4"	1/8"	.82	.78
RE1-4B	1/4"	1/4"	.91	.94
RE1-4C	1/4"	3/8"	.94	1.03
RE1-5A	5/16"	1/8"	.91	.78
RE1-5B	5/16"	1/4"	.97	.94
RE1-6A	3/8"	1/8"	1.03	.91
RE1-6B	3/8"	1/4"	1.00	1.06
RE1-6C	3/8"	3/8"	1.06	1.09
RE1-6D	3/8"	1/2"	1.16	1.28
RE1-8B	1/2"	1/4"	1.22	1.12
RE1-8C	1/2"	3/8"	1.25	1.19
RE1-8D	1/2"	1/2"	1.28	1.38
RE1-8E	1/2"	3/4"	1.41	1.41
RE1-10C	5/8"	3/8"	1.41	1.25
RE1-10D	5/8"	1/2"	1.41	1.38
RE1-10E	5/8"	3/4"	1.47	1.50



E2 90° UNION FLARE ELBOW

PART NUMBER	O.D. TUBE	A
E2-2	1/8"	.63
E2-3	3/16"	.71
E2-4	1/4"	.81
E2-5	5/16"	.94
E2-6	3/8"	1.00
E2-8	1/2"	1.22
E2-10	5/8"	1.41
E2-12	3/4"	1.65
E2-14	7/8"	1.87



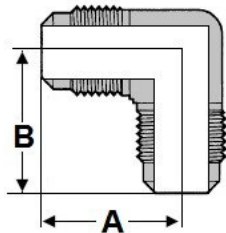
REF SAE 010302

REF SAE 010202



ER2 90° REDUCING ELBOW

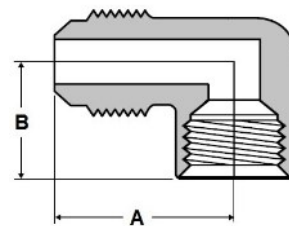
PART NUMBER	O.D. TUBE	A	B
ER2-64	3/8"X1/4"	1.00	.91
ER2-84	1/2"X1/4"	1.19	.98
ER2-86	1/2"X3/8"	1.19	1.00
ER2-106	5/8"X3/8"	1.24	1.12
ER2-108	5/8"X1/2"	1.36	1.22



REF SAE 010201

E4 90° TUBE TO FEMALE FLARE

PART NUMBER	O.D. TUBE	A	B
E4F-44	1/4"	.96	.72
E4F-66	3/8"	1.05	.80



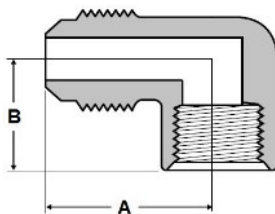
*Use with B2 Series

(Copper Gasket)



E3 90° FEMALE FLARE ELBOW

PART NUMBER	O.D. TUBE	MPT	A	B
E3F-3A	3/16"	1/8"	.88	.48
E3F-4A	1/4"	1/8"	1.00	.62
E3F-4B	1/4"	1/4"	.97	.59
E3F-4C	1/4"	3/8"	1.00	.75
E3F-5A	5/16"	1/8"	1.02	.60
E3F-5B	5/16"	1/4"	1.02	.67
E3F-6A	3/8"	1/8"	1.06	.88
E3F-6B	3/8"	1/4"	1.06	.93
E3-6B	3/8"	1/4"	1.03	.69
E3F-6D	3/8"	1/2"	1.16	.66
E3F-6E	3/8"	3/4"	1.28	.72
E3F-8B	1/2"	1/4"	1.19	1.00
E3F-8C	1/2"	3/8"	1.20	.65
E3-8C	1/2"	3/8"	1.25	.70
E3F-8D	1/2"	1/2"	1.28	.72
E3F-8E	1/2"	3/4"	1.41	.72
E3F-10C	5/8"	3/8"	1.34	1.22
E3F-10D	5/8"	1/2"	1.38	1.25
E3F-10E	5/8"	3/4"	1.50	1.25
E3F-12D	3/4"	1/2"	1.64	1.31
E3F-12E	3/4"	3/4"	1.84	1.15
E3F-14E	7/8"	3/4"	1.88	1.12

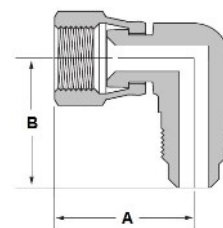


Forged Style

REF SAE 010203

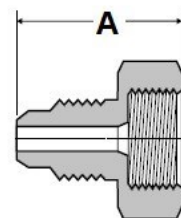
ES4 90° TUBE TO FEMALE FLARE, SWIVEL

PART NUMBER	O.D. TUBE	A	B
ES4-44	1/4"	.81	1.15
ES4-66	3/8"	1.05	1.34
ES4-88	1/2"	1.26	1.54

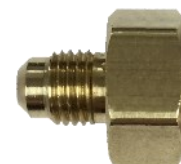


K1 CYLINDER ADAPTER

PART NUMBER	O.D. TUBE	FPT	A	HEX
K1-1	1/4"	3/4"	1.12	1-1/8"
K1-8	1/4"	1/2"	1.12	1-1/4"



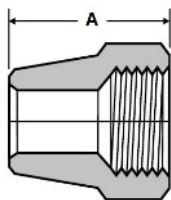
REF SAE 010165





41AS MACHINED NUT (SAE 010110)

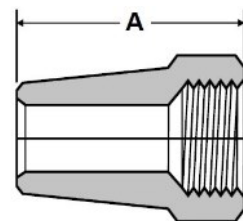
PART NUMBER	O.D. TUBE	A	HEX
41AS-6	3/8"	1.00	3/4"
41AS-8	1/2"	1.12	7/8"
41AS-10	5/8"	1.31	1-1/16"



REF SAE 010302

N2 MACHINED LONG NUT

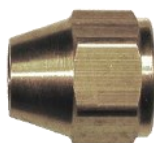
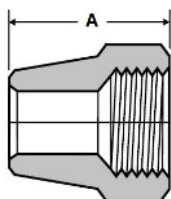
PART NUMBER	O.D. TUBE	A	HEX
N1-2	1/8"	.75	3/8"
N1-3	3/16"	.81	7/16"
N1-4	1/4"	.94	9/16"
N1-5	5/16"	1.12	5/8"
N1-6	3/8"	1.31	3/4"
N1-8	1/2"	1.62	7/8"
N1-10	5/8"	1.88	1-1/16"
N1-12	3/4"	2.19	1-1/4"



REF SAE 010111

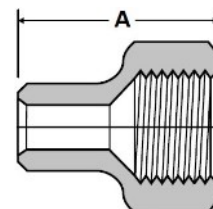
NSE1 MACHINED NUT EXTRA SHORT

PART NUMBER	O.D. TUBE	A	HEX
NSE1-4	1/4"	.50	9/16"
NSE1-6	3/8"	.69	3/4"
NSE1-8	1/2"	.81	7/8"



N4 FORGED LONG NUT

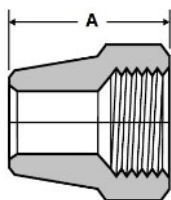
PART NUMBER	O.D. TUBE	A	B
N4-4	1/4"	.94	3/4"
N4-6	3/8"	1.06	7/8"
N4-8	1/2"	1.19	1"
N4-10	5/8"	1.44	1-1/8"
N4-12	3/4"	1.75	1-3/8"



REF SAE 010167

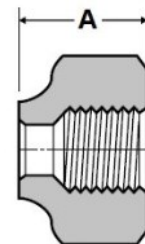
N1 MACHINED NUT SHORT

PART NUMBER	O.D. TUBE	A	HEX
N1-2	1/8"	.50	3/8"
N1-3	3/16"	.62	7/16"
N1-4	1/4"	.75	9/16"
N1-5	5/16"	.88	5/8"
N1-6	3/8"	.88	3/4"
N1-7	7/16"	1.06	13/16"
N1-8	1/2"	1.00	7/8"
N1-10	5/8"	1.00	1"
N1-12	3/4"	1.50	1-1/4"
N1-14	7/8"	1.18	1-3/8"
N1-16	1"	1.81	1-5/8"



NS4 FORGED SHORT NUT

PART NUMBER	O.D. TUBE	A	HEX
NS4-3	3/16"	.68	1/2"
NS4-4	1/4"	.60	5/8"
NS4-5	5/16"	.63	3/4"
NS4-6	3/8"	.70	13/16"
NS4-8	1/2"	.82	15/16"
NS4-10	5/8"	.95	1-1/16"
NS4-12	3/4"	1.13	1-3/8"
NS4-14	7/8"	1.18	1-3/8"

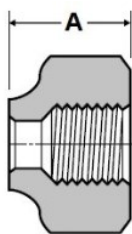




RNS4 FORGED SHORT NUT

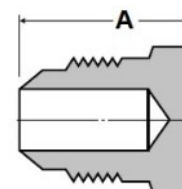
PART NUMBER	O.D. TUBE	A	HEX
RNS4-4	1/4"	.62	3/4"
RNS4-6	3/8"	.72	7/8"
RNS4-8	1/2"	.86	1"
RNS4-10	5/8"	.98	1-1/8"
RNS4-12	3/4"	1.12	1-3/8"

REF SAE 010166



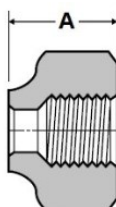
P2 PLUG

PART NUMBER	O.D. TUBE	A	HEX
P2-3	3/16"	.47	1/2"
P2-4	1/4"	.47	1/2"
P2-5	5/16"	.62	5/8"
P2-6	3/8"	.72	11/16"
P2-8	1/2"	.75	13/16"
P2-10	5/8"	.81	15/16"
P2-12	3/4"	1.19	1-3/8"



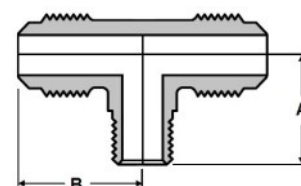
NSR4 FORGED SHORT REDUCING NUT

PART NUMBER	O.D. TUBE	A	HEX
NSR4-64	3/8"X1/4"	.70	13/16"
NSR4-65	3/8"X5/16"	.70	13/16"
NSR4-86	1/2"X3/8"	.82	15/16"
NSR4-106	5/8"X3/8"	.95	1-1/8"
NSR4-108	5/8"X1/2"	.95	1-1/8"



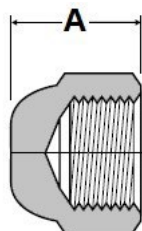
T1 FLARE MALE BRANCH TEE

PART NUMBER	O.D. TUBE	MPT	A	B
T1F-2A	1/8"	1/8"	.60	.67
T1F-3A	3/16"	1/8"	.74	.77
T1F-4A	1/4"	1/8"	.78	.76
T1-4A	1/4"	1/8"	.81	.82
T1F-4B	1/4"	1/4"	.88	.88
T1F-4C	1/4"	3/8"	.93	.98
T1F-5A	5/16"	1/8"	.90	.79
T1F-5B	5/16"	1/4"	.95	.93
T1F-6A	3/8"	1/8"	1.00	.88
T1-6B	3/8"	1/4"	1.00	.93
T1-6C	3/8"	3/8"	1.00	.98
T1F-6D	3/8"	1/2"	1.14	1.20
T1F-8C	1/2"	3/8"	1.19	1.13
T1-8D	1/2"	1/2"	1.22	1.23
T1F-10C	5/8"	3/8"	1.38	1.23
T1F-10D	5/8"	1/2"	1.41	1.28
T1F-12D	3/4"	1/2"	1.62	1.60
T1F-12E	3/4"	3/4"	1.66	1.42



N5 FLARE CAP

PART NUMBER	O.D. TUBE	A	HEX
N5-3	3/16"	.47	1/2"
N5-4	1/4"	.47	1/2"
N5-5	5/16"	.62	5/8"
N5-6	3/8"	.72	11/16"
N5-8	1/2"	.75	13/16"
N5-10	5/8"	.81	15/16"
N5-12	3/4"	1.19	1-3/8"

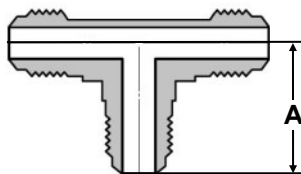


REF SAE 010425



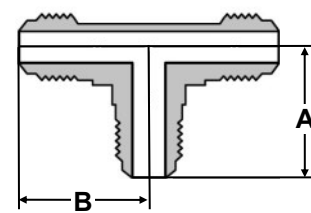
T2 FLARE UNION TEE

PART NUMBER	O.D. TUBE	A
T2F-2	1/8"	.71
T2F-3	3/16"	.76
T2F-4	1/4"	.78
T2-4	1/4"	.86
T2F-5	5/16"	.94
T2F-6	3/8"	1.00
T2-6	3/8"	.98
T2-8	1/2"	1.16
T2-10	5/8"	1.41
T2F-12	3/4"	1.62



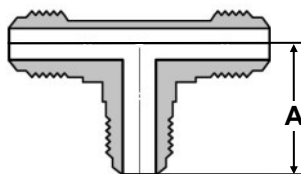
TR2 REDUCING UNION TEE

PART NUMBER	O.D. TUBE	A	B
TR2-446	1/4"X1/4"X3/8"	.91	1.00
TR2-464	1/4"X3/8"X1/4"	.86	1.00
TR2-466	1/4"X3/8"X3/8"	.98	.98
TR2-664	3/8"X3/8"X1/4"	1.00	.88
TR2-668	3/8"X3/8"X1/2"	1.00	1.19
TR2-6610	3/8"X3/8"X5/8"	1.25	1.44
TR2-686	3/8"X1/2"X3/8"	1.05	1.16
TR2-6106	3/8"X5/8"X3/8"	1.22	1.16
TR2-868	1/2"X3/8"X1/2"	1.13	1.10
TR2-884	1/2"X1/2"X1/4"	1.14	.98
TR2-886	1/2"X1/2"X3/8"	1.20	1.08
TR2-8810	1/2"X1/2"X5/8"	1.28	1.40
TR2-10106	5/8"X5/8"X3/8"	1.38	1.16
TR2-10108	5/8"X5/8"X1/2"	1.38	1.28
TR2-10810	5/8"X1/2"X5/8"	1.44	1.40



RT2 FLARE UNION TEE

PART NUMBER	O.D. TUBE	A
RT2-4	1/4"	.88
RT2-6	3/8"	1.06
RT2-8	1/2"	1.22
RT2-10	5/8"	1.41



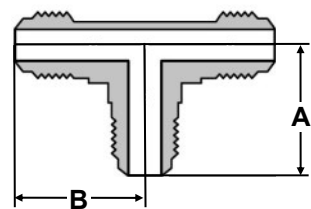
REF SAE 010401

REF SAE 010401

*Read dimensions 1 & 2 across run, 3 as branch

T3 MALE RUN TEE

PART NUMBER	O.D. TUBE	MPT	A	B
T3-3A	3/16"	1/8"	.80	.75
T3-4A	1/4"	1/8"	.80	.75
T3-4B	1/4"	1/4"	.88	.88
T3-4C	1/4"	3/8"	.88	1.10
T3-5A	5/16"	1/8"	.90	.78
T3-5B	5/16"	1/4"	.94	.96
T3-6A	3/8"	1/8"	1.00	.88
T3-6B	3/8"	1/4"	1.02	.90
T3-6C	3/8"	3/8"	1.02	1.10
T3-6D	3/8"	1/2"	1.12	1.22
T3-8C	1/2"	3/8"	1.16	1.10
T3-8D	1/2"	1/2"	1.20	1.20
T3-10D	5/8"	1/2"	1.32	1.32
T3-12D	3/4"	1/2"	1.58	1.58
T3-12E	3/4"	3/4"	1.43	1.43

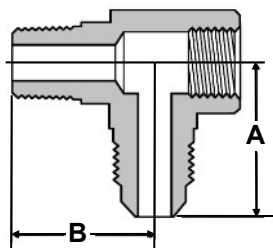


REF SAE 010424



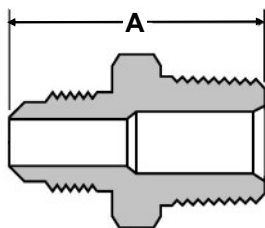
T4 FLARE STREET TEE

PART NUMBER	O.D. TUBE	FPT	A	B
T4-4A	1/4"	1/8"	.88	.80
T4-4B	1/4"	1/4"	.88	.80



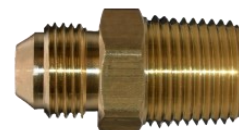
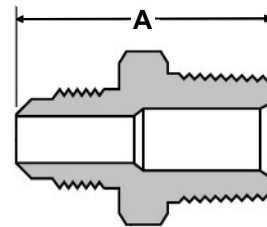
U1 MALE FLARE CONNECTOR

PART NUMBER	O.D. TUBE	MPT	A	HEX
U1-2A	1/8"	1/8"	.92	7/16"
U1-3A	3/16"	1/8"	1.00	7/16"
U1-4A	1/4"	1/8"	1.06	7/16"
U1-4B	1/4"	1/4"	1.12	9/16"
U1-4C	1/4"	3/8"	1.31	11/16"
U1-4D	1/4"	1/2"	1.31	7/8"
U1-5A	5/16"	1/8"	1.31	1/2"
U1-5B	5/16"	1/4"	1.22	9/16"
U1-5C	5/16"	3/8"	1.31	11/16"
U1-6A	3/8"	1/8"	1.25	5/8"
U1-6B	3/8"	1/4"	1.31	5/8"
U1-6C	3/8"	3/8"	1.38	11/16"
U1-6D	3/8"	1/2"	1.44	7/8"
U1-6E	3/8"	3/4"	1.56	1-1/16"
U1-8B	1/2"	1/4"	1.50	3/4"
U1-8C	1/2"	3/8"	1.50	3/4"
U1-8D	1/2"	1/2"	1.56	7/8"
U1-8E	1/2"	3/4"	1.68	1-1/16"
U1-10B	5/8"	1/4"	1.95	7/8"
U1-10C	5/8"	3/8"	1.62	7/8"
U1-10D	5/8"	1/2"	1.75	7/8"
U1-10E	5/8"	3/4"	1.81	1-1/16"
U1-12D	3/4"	1/2"	1.97	1-1/16"
U1-12E	3/4"	3/4"	2.00	1-1/16"
U1-14E	7/8"	3/4"	2.27	1-3/16"



RU1 MALE FLARE CONNECTOR

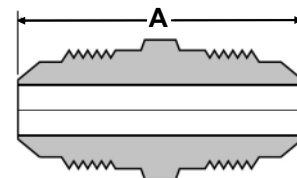
PART NUMBER	O.D. TUBE	MPT	A	HEX
RU1-4A	1/4"	1/8"	1.06	7/16"
RU1-4B	1/4"	1/4"	1.25	9/16"
RU1-4C	1/4"	3/8"	1.31	11/16"
RU1-4D	1/4"	1/2"	1.56	7/8"
RU1-5A	5/16"	1/8"	1.16	1/2"
RU1-5B	5/16"	1/4"	1.34	9/16"
RU1-6A	3/8"	1/8"	1.25	5/8"
RU1-6B	3/8"	1/4"	1.44	5/8"
RU1-6C	3/8"	3/8"	1.44	11/16"
RU1-6D	3/8"	1/2"	1.69	7/8"
RU1-6E	3/8"	3/4"	1.81	1-1/16"
RU1-8B	1/2"	1/4"	1.62	3/4"
RU1-8C	1/2"	3/8"	1.62	3/4"
RU1-8D	1/2"	1/2"	1.88	7/8"
RU1-8E	1/2"	3/4"	1.94	1-1/16"
RU1-10C	5/8"	3/8"	1.81	7/8"
RU1-10D	5/8"	1/2"	2.00	7/8"
RU1-10E	5/8"	3/4"	2.06	1-1/16"



REF SAE 010102

U2 MALE FLARE UNION

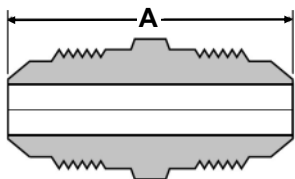
PART NUMBER	O.D. TUBE	A	HEX
U2-2	1/8"	.91	7/16"
U2-3	3/16"	1.00	7/16"
U2-4	1/4"	1.19	7/16"
U2-5	5/16"	1.34	1/2"
U2-6	3/8"	1.50	5/8"
U2-8	1/2"	1.81	3/4"
U2-10	5/8"	2.06	3/4"
U2-12	3/4"	2.44	1-1/16"
U2-14	7/8"	2.72	1-3/16"





RU2 MALE FLARE UNION

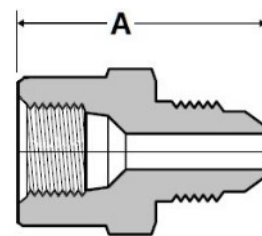
PART NUMBER	O.D. TUBE	A	HEX
RU2-4	1/4"	1.19	7/16"
RU2-6	3/8"	1.50	5/8"
RU2-8	1/2"	1.81	3/4"
RU2-10	5/8"	2.12	7/8"
RU2-12	3/4"	2.44	1-1/16"



REF SAE 010101

UR3 REDUCER FEMALE TO MALE FLARE

PART NUMBER	O.D. TUBE F	O.D. TUBE M	A	HEX
UR3-46	1/4"	3/8"	1.12	5/8"
UR3-64	3/8"	1/4"	1.22	13/16"
UR3-68	3/8"	1/2"	1.41	13/16"
UR3-86	1/2"	3/8"	1.44	15/16"
UR3-810	1/2"	5/8"	1.62	15/16"
UR3-108	5/8"	1/2"	1.68	1-1/16"



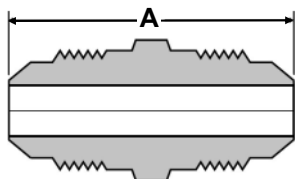
*Use with B2 Series

(Copper Gasket)



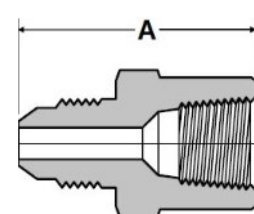
UR2 UNION REDUCER

PART NUMBER	O.D. TUBE	A	HEX
UR2-64	3/8"X1/4"	1.38	5/8"
UR2-65	3/8"X5/16"	1.42	11/16"
UR2-84	1/2"X1/4"	1.50	3/4"
UR2-86	1/2"X3/8"	1.62	3/4"
UR2-106	5/8"X3/8"	1.81	7/8"
UR2-108	5/8"X1/2"	1.94	7/8"
UR2-128	3/4"X1/2"	2.19	1-1/16"
UR2-1210	3/4"X5/8"	2.19	1-1/16"



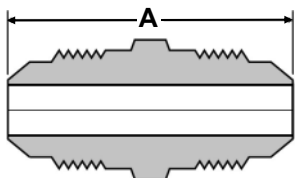
U3 ADAPTER TUBE TO FPT

PART NUMBER	O.D. TUBE	FPT	A	HEX
U3-3A	3/16"	1/8"	.97	9/16"
U3-4A	1/4"	1/8"	1.00	1/2"
U3-4B	1/4"	1/4"	1.06	5/8"
U3-4C	1/4"	3/8"	1.18	3/4"
U3-5A	5/16"	1/8"	1.06	9/16"
U3-5B	5/16"	1/4"	1.28	11/16"
U3-6A	3/8"	1/8"	1.09	5/8"
U3-6B	3/8"	1/4"	1.09	5/8"
U3-6C	3/8"	3/8"	1.22	13/16"
U3-6D	3/8"	1/2"	1.31	15/16"
U3-6E	3/8"	3/4"	1.31	1-1/8"
U3-8B	1/2"	1/4"	1.34	13/16"
U3-8C	1/2"	3/8"	1.34	13/16"
U3-8D	1/2"	1/2"	1.44	15/16"
U3-8E	1/2"	3/4"	1.41	1-1/8"
U3-10C	5/8"	3/8"	1.45	7/8"
U3-10D	5/8"	1/2"	1.50	15/16"
U3-10E	5/8"	3/4"	1.53	1-1/8"
U3-12D	3/4"	1/2"	1.75	1-1/8"
U3-12E	3/4"	3/4"	1.88	1-1/4"
U3-14E	7/8"	3/4"	1.94	1-15/16"



UR2 UNION REDUCER

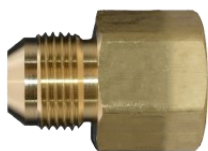
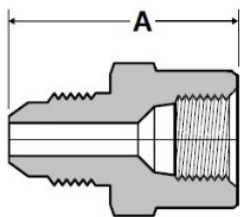
PART NUMBER	O.D. TUBE	A	HEX
RUR2-64	3/8"X1/4"	1.38	5/8"
RUR2-65	3/8"X5/16"	1.69	3/4"
RUR2-106	5/8"X3/8"	1.89	7/8"
RUR2-108	5/8"X1/2"	2.00	7/8"



REF SAE 010101

RU3 FLARE TO FEMALE PIPE

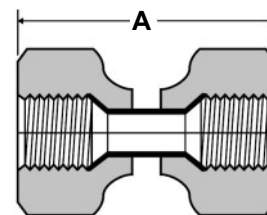
PART NUMBER	O.D. TUBE	FPT	A	HEX
RU3-4A	1/4"	1/8"	1.03	9/16"
RU3-4B	1/4"	1/4"	1.25	11/16"
RU3-6B	3/8"	1/4"	1.31	13/16"
RU3-6C	3/8"	3/8"	1.38	13/16"
RU3-6D	3/8"	1/2"	1.62	1"
RU3-8C	1/2"	3/8"	1.50	13/16"
RU3-8D	1/2"	1/2"	1.75	1"
RU3-10D	5/8"	1/2"	1.81	1"
RU3-10E	5/8"	3/4"	1.91	1-1/4"



REF SAE 010103

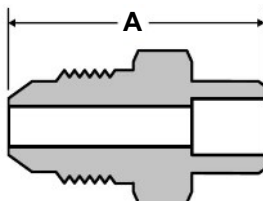
US4 SWIVEL FLARE CONNECTOR

PART NUMBER	O.D. TUBE	A
US4-4	1/4"	1.50
US4-5	5/16"	1.52
US4-6	3/8"	1.55
US4-64	3/8"X1/4"	1.48
US4-8	1/2"	1.85
US4-86	1/2"X3/8"	1.73
US4-10	5/8"	2.15
US4-108	5/8"X1/2"	1.96
US4-12	3/4"	2.50



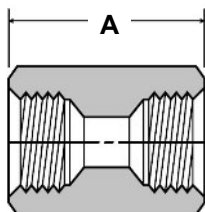
US3 FLARE TO SOLDER

PART NUMBER	O.D. TUBE	SOLDER	A	HEX
US3-44	1/4"	1/4"	1.00	7/16"
US3-46	1/4"	3/8"	1.00	1/2"
US3-66	3/8"	3/8"	1.25	5/8"
US3-88	1/2"	1/2"	1.50	3/4"
US3-1010	5/8"	5/8"	1.75	7/8"
US3-1214	3/4"	7/8"	1.97	1-1/16"



U4 FLARE CONNECTOR

PART NUMBER	O.D. TUBE	A	HEX
U4-4	1/4"	1.00	5/8"
U4-6	3/8"	1.25	13/16"
U4-8	1/2"	1.44	15/16"



REF SAE 010107

*Use with B2 Series


(Copper Gasket)





BRASS 37° (JIC) FLARE FITTINGS


CONSTRUCTION

• CA360, CA345, CA3604, CA377 Brass 

APPLICATIONS

•Compatible with copper, brass, aluminum and steel hydraulic tubing that can be flared

RANGES

Temperature Range: -65° to +250° F. 
 Pressure Range:
 Maximum working pressure (PSI) depends on the tubing material, O.D. wall thickness and fitting.



Flare Fitting Assembly:

1. Make sure the tubing is cut squarely with a tube cutter. After cutting, make sure the tube is clean and free of burrs.
2. Move the flare nut over of the tubing.
3. Flare the end of the tubing with a flaring tool.
4. Screw the nut and the connecting fitting together hand tight. Then tighten with a wrench 1/4 to 1/2 turn past hand-tight. There should be a metal to metal seal.



ORDERING INFORMATION

- Parts that include “PBF” are supplied as low lead compliant fittings.
- Part numbers without the “PBF” distinction are NOT lead free compliant.



NOTES

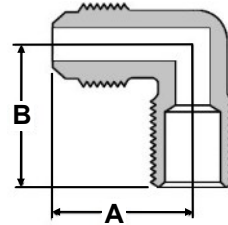
- Non-stock items and special parts are available on a quotation basis.
- Configurations and dimensions are subject to change without notice.



<p>E1-37° 90° Male Flare Elbow</p> 	<p>E1-45-37° 45° Male Flare Elbow</p> 	<p>E3-37° 90° Female Flare Elbow</p> 
<p>N1-37° Flare Nut</p> 	<p>N5-37° Flare Cap</p> 	<p>S1-37° Flare Sleeve</p> 
<p>U1-37° Male Flare Connector</p> 	<p>U2-37° Flare Union</p> 	<p>U3-37° Female Flare Adapter</p> 

E1-37° 90° MALE FLARE ELBOW

PART NUMBER	O.D. TUBE	Tube Thread	MPT	A	B
E1-4A-37°-BK	1/4"	7/16"-20	1/8"	0.81"	0.76"
E1-4B-37°	1/4"	7/16"-20	1/4"	0.89"	1.09"
E1-6B-37°	3/8"	9/16"-18	3/8"	1.06"	1.09"
E1-8C-37°	1/2"	3/4"-16	3/8"	1.25"	1.22"
E1-8C-37°-BK	1/2"	3/4"-16	3/8"	1.07"	1.07"
E1-8D-37°	1/2"	3/4"-16	1/2"	1.25"	1.47"
E1-12E-37°	3/4"	1 1/16"-12	3/4"	1.66"	1.59"



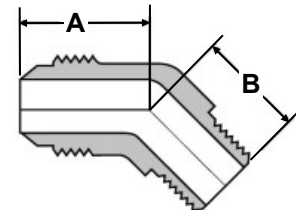
Forged Style Shown
EX: E1-8C-37°



Extruded "Block Style" Shown: -BK
EX: E1-8C-37°-BK

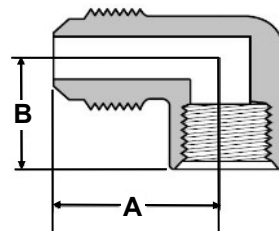
E1-45-37° 45° MALE FLARE ELBOW

PART NUMBER	O.D. TUBE	Tube Thread	MPT	A	B
E1-45-4B-37°-BK	1/4"	7/16"-20	1/4"	0.72"	0.86"
E1-45-8D-37°	1/2"	3/4"-16	1/2"	0.98"	1.17"
E1-45-12E-37°	3/4"	1 1/16"-12	3/4"	1.28"	1.20"



E3-37° 90° FEMALE FLARE ELBOW

PART NUMBER	O.D. TUBE	Tube Thread	FPT	A	B
E3-4A-37°	1/4"	7/16"-20	1/8"	1.08"	0.66"





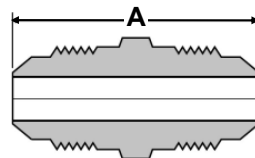
N1-37° FLARE NUT

PART NUMBER	O.D. TUBE	Tube Thread	HEX	OAL
N1-12-37°	3/4"	1 1/16"-12	1.25"	1.03"



U2-37° FLARE UNION

PART NUMBER	O.D. TUBE	Tube Thread	OAL
U2-8-37°	1/2"	3/4"-16	1.61"
U2-12-37°	3/4"	1 1/16"-12	2.16"



N5-37° FLARE CAP

PART NUMBER	O.D. TUBE	Tube Thread	HEX	OAL
N5-8-37°	3/4"	3/4"-16	0.875"	0.75"



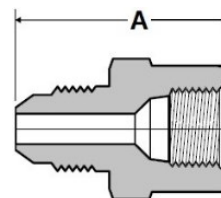
S1-37° FLARE SLEEVE

PART NUMBER	O.D. TUBE	OAL
S1-12-37°	3/4"	0.681"



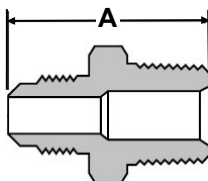
U3-37° FEMALE FLARE ADAPTER

PART NUMBER	O.D. TUBE	Tube Thread	FPT	OAL
U3-12E-37°	3/4"	1 1/16"-12	3/4"	2.06"



U1-37° MALE FLARE CONNECTOR

PART NUMBER	O.D. TUBE	Tube Thread	MPT	A
U1-4A-37°	1/4"	7/16"-20	1/8"	1.08"
U1-4B-37°	1/4"	7/16"-20	1/4"	1.38"
U1-6A-37°	3/8"	9/16"-18	1/8"	1.24"
U1-6B-37°	3/8"	9/16"-18	1/4"	1.43"
U1-6C-37°	3/8"	9/16"-18	3/8"	1.37"
U1-6D-37°	3/8"	9/16"-18	1/2"	1.57"
U1-8C-37°	1/2"	3/4"-16	3/8"	1.53"
U1-8D-37°	1/2"	3/4"-16	1/2"	1.71"
U1-8E-37°	1/2"	3/4"-16	3/4"	1.81"
U1-12D-37°	3/4"	1 1/16"-12	1/2"	2.05"
U1-12E-37°	3/4"	1 1/16"-12	3/4"	2.06"
U1-12F-37°	3/4"	1 1/16"-12	1"	2.25"
U1-16F-37°	1"	1 5/16"-12	1"	2.30"



Heavy Duty
Vibration Resistant
Tried, True, & Reliable