

45° SAE Flare Nut

Coale® Brass SAE 45° Flared Tube Fittings may be used with copper, brass, aluminum, steel and plastic tube provided an acceptable flare can be generated with the material. Vacuum to pressures of 346 Bar (5,000 Psi) can be handled dependent upon size, material and conditions. Using a 4 : 1 Safety Factor the following general rule is used :

- **210 Bar** for 1/8", 3/16", 1/4", 5/16" (R410a, R32), and 1/2" (R410a, R32) Female SAE Flare;
- **140 Bar** for 5/16", 3/8", 7/16", 1/2", 5/8" (R410a, R32), and 3/4" (R410a, R32) Female SAE Flare;
- **105 Bar** for 5/8", 3/4", 7/8", and 1" Female SAE Flare.

Long nuts are recommended when vibration is a factor. Tubing should be double flared in extreme applications to minimize flare thinning on over-tightening.

Excellent pull out-make and break-good vibration resistance (improved by using long or strong nuts) low cost easy assembly and wide selection are features of this style fitting.

Fittings listed generally comply with SAE, ASA, ACME, ASME, MS, EN378-2, 97/23/CE, 2002/95/EC Standard. However when design makes dimensions critical please contact us for samples and/or prints for testing and evaluation. Tube size listed are O.D. (Outside Diameter). To determine nominal (water tube) size, subtract 1/8" (i.e. 5/8" O.D. Outside Diameter = 1/2" nominal). Pipe sizes listed are standard nominal pipe size and threads are to DTPS Dryseal Taper Pipe Standards.

Coale will provide flare fitting to SAE Standard J513 whenever possible. In some cases, slight deviations will occur when full compliance fittings are not available.

ASSEMBLY INSTRUCTIONS

1. Cut tube square and remove cutoff burr;
2. Slide nut on tube, threaded end facing end of tube;
3. Flare tube following flaring tool manufacturers instructions (check flare quality);
4. Thread nut on to fitting body "handtight";
5. With proper wrench tighten to a solid feel.

TORQUE (Lbs./ft. - N·m) for SAE Flare Fittings

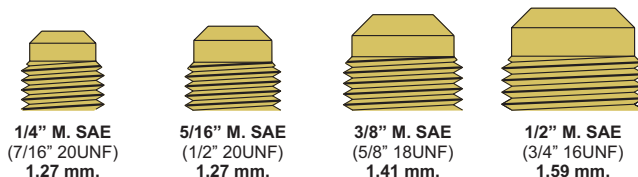
1/4" = 8,0 ÷ 10,0 Lbs./ft. - 10,88 ÷ 13,60 N·m
 3/8" = 15,0 ÷ 25,0 Lbs./ft. - 20,40 ÷ 34,00 N·m
 1/2" = 25,0 ÷ 35,0 Lbs./ft. - 34,00 ÷ 47,60 N·m
 5/8" = 40,0 ÷ 55,0 Lbs./ft. - 54,40 ÷ 74,80 N·m

CAUTION : Over-tightening and dirt can damage fittings and/or tube causing leaks. Special adjustable Torque Wrench Model TW 46810 permit tightening to the exact torque required for best performance, economy and safety.

NOTE : Lubrication of flare faces and threads is recommended when practical (use NYLOG Model RT201B).

THREAD SIZE of TUBE ENDS (O.D. Outside Diameter - SAE Flare / UNF)				
Ø 1/8"	Ø 3/16"	Ø 1/4"	Ø 5/16"	Ø 3/8"
5/16" - 24	3/8" - 24	7/16" - 20	1/2" - 20	5/8" - 18
Ø 7/16"	Ø 1/2"	Ø 5/8"	Ø 3/4"	Ø 7/8"
11/16" - 16	3/4" - 16	7/8" - 14	1-1/16" - 14	1-1/4" - 12

REAL DIMENSIONS - Page Format A4 210 x 297 mm. (h)



CROSS - (4) Male SAE Flare



C1- 4

Model	Description
C1- 4	Cross (4) x 1/4" Male SAE Flare.
C1- 6	(4) x 3/8" Male SAE Flare.

Male SAE Flare x Male NPT National Pipe Thread ELL



E1- 4A

Model	Description
E1- 3A	ELL 3/16" (3/8" 24UNF) Male SAE Flare x 1/8" Male NPT Thread.
E1- 4A	1/4" (7/16" 20UNF) M. SAE x 1/8" M. NPT.
E1- 4B	1/4" (7/16" 20UNF) M. SAE x 1/4" M. NPT.
E1- 4C	1/4" (7/16" 20UNF) M. SAE x 3/8" M. NPT.
E1- 5A	5/16" (1/2" 20UNF) M. SAE x 1/8" M. NPT.
E1- 5B	5/16" (1/2" 20UNF) M. SAE x 1/4" M. NPT.
E1- 6A	3/8" (5/8" 18UNF) M. SAE x 1/8" M. NPT.
E1- 6B	3/8" (5/8" 18UNF) M. SAE x 1/4" M. NPT.
E1- 6C	3/8" (5/8" 18UNF) M. SAE x 3/8" M. NPT.
E1- 6D	3/8" (5/8" 18UNF) M. SAE x 1/2" M. NPT.
E1- 8B	1/2" (3/4" 16UNF) M. SAE x 1/4" M. NPT.
E1- 8C	1/2" (3/4" 16UNF) M. SAE x 3/8" M. NPT.
E1- 8D	1/2" (3/4" 16UNF) M. SAE x 1/2" M. NPT.
E1- 8E	1/2" (3/4" 16UNF) M. SAE x 3/4" M. NPT.
E1-10C	5/8" (7/8" 14UNF) M. SAE x 3/8" M. NPT.
E1-10D	5/8" (7/8" 14UNF) M. SAE x 1/2" M. NPT.
E1-10E	5/8" (7/8" 14UNF) M. SAE x 3/4" M. NPT.
E1-12D	3/4" (1-1/16" 14UNF) M. SAE x 1/2" M. NPT.
E1-12E	3/4" (1-1/16" 14UNF) M. SAE x 3/4" M. NPT.

Male SAE Flare x Male SAE Flare ELL



E2- 6

Model	Description
E2- 4	Flare Ell 1/4" (7/16" 20UNF) Male SAE Flare x 1/4" (7/16" 20UNF) Male SAE Flare.
E2- 5	(2) 5/16" (1/2" 20UNF) M. SAE.
E2- 6	(2) 3/8" (5/8" 18UNF) M. SAE.
E2- 8	(2) 1/2" (3/4" 16UNF) M. SAE.
E2-10	(2) 5/8" (7/8" 14UNF) M. SAE.
E2-12	(2) 3/4" (1-1/16" 14UNF) M. SAE.
ER2- 6 4	Reducing Ell 3/8" (5/8" 18UNF) Male SAE Flare x 1/4" (7/16" 20UNF) Male SAE Flare.
ER2- 8 4	1/2" (3/4" 16UNF) M. SAE Flare x 1/4" (7/16" 20UNF) M. SAE Flare.
ER2- 8 6	1/2" (3/4" 16UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE Flare.
ER2-10 6	5/8" (7/8" 14UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE Flare.
ER2-10 8	5/8" (7/8" 14UNF) M. SAE Flare x 1/2" (3/4" 16UNF) M. SAE Flare.
ER2-1210	3/4" (1-1/16" 14UNF) M. SAE Flare x 5/8" (7/8" 14UNF) M. SAE Flare.

Male SAE Flare x ODS solder ELL



ES2- 4 4

Model	Description
ES2- 4 4	Ell 1/4" (7/16" 20UNF) Male SAE Flare x 1/4" (6,35 mm.) ODS solder.
ES2- 6 6	3/8" (5/8" 18UNF) M. SAE Flare x 3/8" (9,52 mm.) ODS solder.
ES2- 6 8	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" (12,70 mm.) est. a sald.
ES2- 8 8	1/2" (3/4" 16UNF) M. SAE x 1/2" (12,70 mm.) ODS solder.
ES2-1010	5/8" (7/8" 14UNF) M. SAE x 5/8" (15,88 mm.) ODS solder.

Male SAE Flare x Female NPT National Pipe Thread ELL



E3- 4A

Model	Description
E3- 4A	Ell 1/4" (7/16" 20UNF) Male SAE Flare x 1/8" Female NPT National Pipe Thread.
E3- 4B	1/4" (7/16" 20UNF) M. SAE x 1/4" F. NPT.
E3- 4C	1/4" (7/16" 20UNF) M. SAE x 3/8" F. NPT.
E3- 5B	5/16" (1/2" 20UNF) M. SAE x 1/4" F. NPT.
E3- 6A	3/8" (5/8" 18UNF) M. SAE x 1/8" F. NPT.
E3- 6B	3/8" (5/8" 18UNF) M. SAE x 1/4" F. NPT.
E3- 6C	3/8" (5/8" 18UNF) M. SAE x 3/8" F. NPT.
E3- 6D	3/8" (5/8" 18UNF) M. SAE x 1/2" F. NPT.
E3- 8C	1/2" (3/4" 16UNF) M. SAE x 3/8" F. NPT.
E3- 8D	1/2" (3/4" 16UNF) M. SAE x 1/2" F. NPT.
E3- 8E	1/2" (3/4" 16UNF) M. SAE x 3/4" F. NPT.
E3-10D	5/8" (7/8" 14UNF) M. SAE x 1/2" F. NPT.
E3-10E	5/8" (7/8" 14UNF) M. SAE x 3/4" F. NPT.

Male SAE Flare x Female SAE Flare Swivel Nut ELL



ES4- 4 4

Model	Description
ES4- 4 4	Ell 1/4" (7/16" 20UNF) Male SAE Flare x 1/4" (7/16" 20UNF) Female SAE Flare swivel Nut with Long Tan Copper Gasket.
ES4- 5 5	5/16" (1/2" 20UNF) M. SAE x 5/16" F. SAE w/ltcg.
ES4- 6 6	3/8" (5/8" 18UNF) M. SAE x 3/8" F. SAE w/ltcg.
ES4- 8 8	1/2" (3/4" 16UNF) M. SAE x 1/2" F. SAE w/ltcg.
ES4-1010	5/8" (7/8" 14UNF) M. SAE x 5/8" F. SAE w/ltcg.
ES4-1212	3/4" (1-1/16" 14UNF) M. SAE x 3/4" F. SAE w/ltcg.

Male SAE Flare x Female SAE Flare Swivel Nut REDUCING ELL



ERS4- 6 4

Model	Description
ERS4- 5 4	Reducing Ell 5/16" (1/2" 20UNF) Male SAE Flare x 1/4" (7/16" 20UNF) Female SAE Flare swivel Nut with Long Tan Copper Gasket.
ERS4- 6 4	3/8" (5/8" 18UNF) M. SAE x 1/4" F. SAE w/ltcg.
ERS4- 6 5	3/8" (5/8" 18UNF) M. SAE x 5/16" F. SAE w/ltcg.
ERS4- 8 6	1/2" (3/4" 16UNF) M. SAE x 3/8" F. SAE w/ltcg.
ERS4-10 8	5/8" (7/8" 14UNF) M. SAE x 1/2" F. SAE w/ltcg.

Male SAE Flare x Male NPT National Pipe Thread 45° ELL



E5- 4A

Model	Description
E5- 4A	45° Ell 1/4" (7/16" 20UNF) Male SAE Flare x 1/8" Male NPT National Pipe Thread.
E5- 4B	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" M. NPT.
E5- 5A	5/16" (1/2" 20UNF) M. SAE Flare x 1/8" M. NPT.
E5- 5B	5/16" (1/2" 20UNF) M. SAE Flare x 1/4" M. NPT.
E5- 6B	3/8" (5/8" 18UNF) M. SAE Flare x 1/4" M. NPT.
E5- 6C	3/8" (5/8" 18UNF) M. SAE Flare x 3/8" M. NPT.
E5- 8B	1/2" (3/4" 16UNF) M. SAE Flare x 1/4" M. NPT.
E5- 8C	1/2" (3/4" 16UNF) M. SAE Flare x 3/8" M. NPT.
E5- 8D	1/2" (3/4" 16UNF) M. SAE Flare x 1/2" M. NPT.
E5-10C	5/8" (7/8" 14UNF) M. SAE Flare x 3/8" M. NPT.
E5-10D	5/8" (7/8" 14UNF) M. SAE Flare x 1/2" M. NPT.
E5-12D	3/4" (1-1/16" 14UNF) M. SAE Flare x 3/4" M. NPT.

Female SAE Flare LONG REFRIGERATION NUTS

Increasing Vibration Resistance.



N4- 5

Model	Description
N4- 4	Long Nut 1/4" (7/16" 20UNF) Female SAE Flare x 1/4" (6,35 mm.) OD tubing.
N4- 5	5/16" (1/2" 20UNF) F. SAE x 5/16" (8,00 mm.) OD.
N4- 6	3/8" (5/8" 18UNF) F. SAE x 3/8" (9,52 mm.) OD.
N4- 8	1/2" (3/4" 16UNF) F. SAE x 1/2" (12,70 mm.) OD.
N4-10	5/8" (7/8" 14UNF) F. SAE x 5/8" (15,88 mm.) OD.
N4-12	3/4" (1-1/16" 14UNF) F. SAE x 3/4" (19,05 mm.) OD.

Female SAE Flare STANDARD NUTS



NS4- 6

Model	Description
NS4- 3	Nut 3/16" (3/8" 24UNF) Female SAE Flare x 3/16" (4,76 mm.) OD tubing.
NS4- 4	1/4" (7/16" 20UNF) F. SAE x 1/4" (6,35 mm.) OD.
NS4- 5	5/16" (1/2" 20UNF) F. SAE x 5/16" (8,00 mm.) OD.
NS4- 6	3/8" (5/8" 18UNF) F. SAE x 3/8" (9,52 mm.) OD.
NS4- 8	1/2" (3/4" 16UNF) F. SAE x 1/2" (12,70 mm.) OD.
NS4-10	5/8" (7/8" 14UNF) F. SAE x 5/8" (15,88 mm.) OD.
NS4-12	3/4" (1-1/16" 14UNF) F. SAE x 3/4" (19,05 mm.) OD.
NS4-14	7/8" (1-1/4" 12UNF) F. SAE x 7/8" (22,22 mm.) OD.
NS4- 4 6MM	1/4" (7/16" 20UNF) F. SAE Flare x 6 mm. OD.
NS4- 610MM	3/8" (5/8" 18UNF) F. SAE Flare x 10 mm. OD.
NS4- 812MM	1/2" (3/4" 16UNF) F. SAE Flare x 12 mm. OD.
NS4-1016MM	5/8" (7/8" 14UNF) F. SAE Flare x 16 mm. OD.

Female SAE Flare REDUCING NUTS



NRS4- 8 6

Model	Description
NRS4- 4 3	Reducing Nut 1/4" (7/16" 20UNF) Female SAE Flare x 3/16" (4,76 mm.) OD Tubing.
NRS4- 5 4	5/16" (1/2" 20UNF) F. SAE Flare x 1/4" (6,35 mm.) OD.
NRS4- 6 4	3/8" (5/8" 18UNF) F. SAE Flare x 1/4" (6,35 mm.) OD.
NRS4- 6 5	3/8" (5/8" 18UNF) F. SAE Flare x 5/16" (8,00 mm.) OD.
NRS4- 8 6	1/2" (3/4" 16UNF) F. SAE Flare x 3/8" (9,52 mm.) OD.
NRS4-10 8	5/8" (3/4" 16UNF) F. SAE Flare x 1/2" (12,70 mm.) OD.
NRS4-1210	3/4" (1-1/16" 14UNF) F. SAE Flare x 5/8" (15,88 mm.) OD.
NRS4- 5 6MM	5/16" (1/2" 20UNF) F. SAE Flare x 6 mm. OD.
NRS4- 810MM	1/2" (3/4" 16UNF) F. SAE Flare x 10 mm. OD.
NRS4-1012MM	5/8" (7/8" 14UNF) F. SAE Flare x 12 mm. OD.
NRS4-1216MM	3/4" (1-1/16" 14UNF) F. SAE Flare x 16 mm. OD.

Female SAE Flare HEX CAPS



Model	Description
N5- 3	Hex Cap 3/16" (3/8" 24UNF) Female SAE Flare with Copper Gasket.
N5- 4	1/4" (7/16" 20UNF) F. SAE Flare with Long Tan Copper Gasket.
N5- 5	5/16" (1/2" 20UNF) F. SAE Flare. w/ltcg.
N5- 6	3/8" (5/8" 18UNF) F. SAE Flare. w/ltcg.
N5- 8	1/2" (3/4" 16UNF) F. SAE Flare. w/ltcg.
N5-10	5/8" (7/8" 14UNF) F. SAE Flare. w/ltcg.
N5-12	3/4" (1/1-16" 14UNF) F. SAE Flare. w/ltcg.

Female SAE Flare HEX CAPS with PLASTIC RETAINER STRAP



Model	Description
N5- 4PB	Hex Seal Cap 1/4" (7/16" 20UNF) Female SAE Flare with Long Tan Copper Gasket & Plastic Retainer Strap - Bleu (Low Pressure).
N5- 4PR	1/4" (7/16" 20UNF) F. SAE Flare - Red (High Press.)
N5- 4PN	1/4" (7/16" 20UNF) F. SAE Flare - Neutral.
N5- 5PB	5/16" (1/2" 20UNF) F. SAE Flare - Bleu (LP).
N5- 5PR	5/16" (1/2" 20UNF) F. SAE Flare - Red (HP).
N5- 5PN	5/16" (1/2" 20UNF) F. SAE Flare - Neutral.
N5- 6PB	3/8" (5/8" 18UNF) F. SAE Flare - Bleu (LP).
N5- 6PR	3/8" (5/8" 18UNF) F. SAE Flare - Red (HP).
N5- 6PN	3/8" (5/8" 18UNF) F. SAE Flare - Neutral.

Male 1/2" ACME-16, SAE Flare PLUGS



Model	Description
P2-2	Hex Plug 1/2" Male ACME-16. R-134a.
P2-2LH	1/2" M. ACME-16 LH Left Hand. R-1234yf.
P2- 3	3/16" (3/8" 24UNF) M. SAE Flare.
P2- 4	1/4" (7/16" 20UNF) M. SAE Flare.

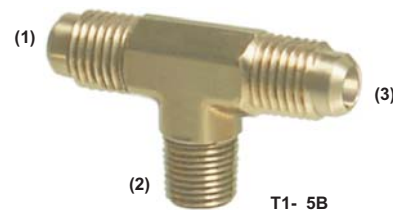
P2- 5	5/16" (1/2" 20UNF) M. SAE Flare.
P2- 6	3/8" (5/8" 18UNF) M. SAE Flare.
P2- 8	1/2" (3/4" 16UNF) M. SAE Flare.
P2-10	5/8" (7/8" 14UNF) M. SAE Flare.
P2-12	3/4" (1-1/16" 14UNF) M. SAE Flare.
P2-14	7/8" (1-1/4" 12UNF) M. SAE Flare.

Male 1/2" ACME-16, Male SAE PLUGS with Retainer Plastic Strap



Model	Description
P2-2PN	Hex Plug 1/2" Male ACME-16 with Plastic Retainer Strap - Neutral. R-134a.
P2-2LHPN	1/2" M. ACME-16 LH Left Hand with Plastic Retainer Strap - Neutral. R-1234yf.
P2- 4PB	1/4" (7/16" 20UNF) Male SAE Flare with Plastic Retainer Strap - Bleu (Low Pressure).
P2- 4PR	1/4" (7/16" 20UNF) F. SAE Flare - Red (HP).
P2- 4PN	1/4" (7/16" 20UNF) F. SAE Flare - Neutral.
P2- 5PB	5/16" (1/2" 20UNF) F. SAE Flare - Bleu (LP).
P2- 5PR	5/16" (1/2" 20UNF) F. SAE Flare - Red (HP).
P2- 5PN	5/16" (1/2" 20UNF) F. SAE Flare - Neutral.
P2- 6PB	3/8" (5/8" 18UNF) F. SAE Flare - Bleu (LP).
P2- 6PR	3/8" (5/8" 18UNF) F. SAE Flare - Red (HP).
P2- 6PN	3/8" (5/8" 18UNF) F. SAE Flare - Neutral.

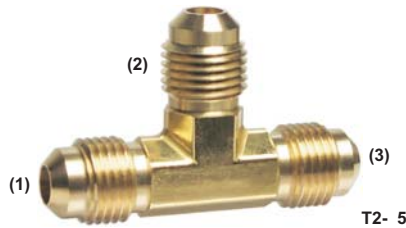
Male 1/2" ACME-16, Male SAE Flare x Male Pipe Thread NPT x Male 1/2" ACME-16, Male SAE Flare TEE



Model	Description
T1-2A	TEE (1), (3) 1/2" Male ACME-16 x (2) 1/8" Male Pipe Thread NPT. R-134a.
T1-2B	1/2" M. ACME-16 x 1/4" M. NPT. R-134a.
T1-2LHA	1/2" M. ACME-16 LH x 1/8" M. NPT. R-1234yf.
T1-2LHB	1/2" M. ACME-16 LH x 1/4" M. NPT. R-1234yf.
T1- 2A	1/8" (5/16" 24UNF) M. SAE Flare x 1/8" M. NPT.
T1- 3A	3/16" (3/8" 24UNF) M. SAE Flare x 1/8" M. NPT.
T1- 4A	1/4" (7/16" 20UNF) M. SAE Flare x 1/8" M. NPT.
T1- 4B	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" M. NPT.
T1- 4C	1/4" (7/16" 20UNF) M. SAE Flare x 3/8" M. NPT.
T1- 5A	5/16" (1/2" 20UNF) M. SAE Flare x 1/8" M. NPT.

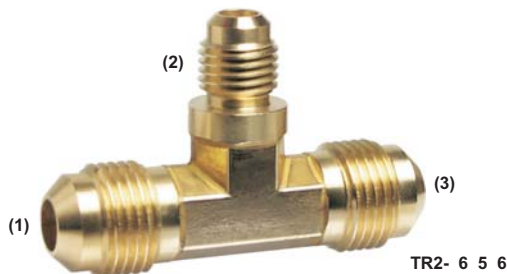
T1- 5B	5/16" (1/2" 20UNF) M. SAE Flare x 1/4" M. NPT.
T1- 6B	3/8" (5/8" 18UNF) M. SAE Flare x 1/4" M. NPT.
T1- 6C	3/8" (5/8" 18UNF) M. SAE Flare x 3/8" M. NPT.
T1- 6D	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. NPT.
T1- 8B	1/2" (3/4" 16UNF) M. SAE Flare x 1/4" M. NPT.
T1- 8C	1/2" (3/4" 16UNF) M. SAE Flare x 3/8" M. NPT.
T1- 8D	1/2" (3/4" 16UNF) M. SAE Flare x 1/2" M. NPT.
T1-10C	5/8" (7/8" 14UNF) M. SAE Flare x 3/8" M. NPT.
T1-10D	5/8" (7/8" 14UNF) M. SAE Flare x 1/2" M. NPT.
T1-12D	3/4" (1-1/16" 14UNF) M. SAE Flare x 1/2" M. NPT.

Male 1/2" M. ACME-16, Male SAE Flare TEE



Model	Description
T2-2	TEE (1) 1/2" Male ACME-16 x (2) 1/2" Male ACME-16 x (3) 1/2" Male ACME-16. R-134a.
T2-2LH	(1) 1/2" M. ACME-16 LH Left Hand x (2) 1/2" M. ACME-16 LH x (3) 1/2" M. ACME-16 LH. R-1234yf.
T2- 2	1/8" (5/16" 24UNF) M. SAE Flare.
T2- 3	3/16" (3/8" 24UNF) M. SAE Flare.
T2- 4	1/4" (7/16" 20UNF) M. SAE Flare.
T2- 5	5/16" (1/2" 20UNF) M. SAE Flare.
T2- 6	3/8" (5/8" 18UNF) M. SAE Flare.
T2- 8	1/2" (3/4" 16UNF) M. SAE Flare.
T2-10	5/8" (7/8" 14UNF) M. SAE Flare.
T2-12	3/4" (1-1/16" 20UNF) M. SAE Flare.

Male 1/2" ACME-16, Male SAE Flare REDUCING TEE



Model	Description
TR2- 42 4	Reducing TEE (1) 1/4" (7/16" 20UNF) Male SAE Flare x (2) 1/2" Male ACME-16 x (3) 1/4" (7/16" 20UNF) Male SAE Flare. R-134a.
TR2- 42LH4	1/4" (7/16" 20UNF) M. SAE Flare x 1/2" M. ACME-16 LH x 1/4" (7/16" 20UNF) M. SAE Flare. R-1234yf.
TR2- 4 3 4	1/4" (7/16" 20UNF) M. SAE FI. x 3/16" (3/8" 24UNF) M. SAE Flare x 1/4" (7/16" 20UNF) M. SAE FI.
TR2- 4 5 4	1/4" (7/16" 20UNF) M. SAE FI. x 5/16" (1/2" 20UNF) M. SAE Flare x 1/4" (7/16" 20UNF) M. SAE FI.

TR2- 5 4 5	5/16" (1/2" 20UNF) M. SAE FI. x 1/4" (7/16" 20UNF) M. SAE Flare x 5/16" (1/2" 20UNF) M. SAE FI.
TR2- 5 6 5	5/16" (1/2" 20UNF) M. SAE FI. x 3/8" (5/8" 18UNF) M. SAE Flare x 5/16" (1/2" 20UNF) M. SAE FI.
TR2- 62 6	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. ACME-16 x 3/8" (5/8" 18UNF) M. SAE Flare. R-134a.
TR2- 62LH6	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. ACME-16 LH x 3/8" (5/8" 18UNF) M. SAE Flare. R-1234yf.
TR2- 6 4 6	3/8" (5/8" 18UNF) M. SAE FI. x 1/4" (7/16" 20UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE FI.
TR2- 6 5 6	3/8" (5/8" 18UNF) M. SAE FI. x 5/16" (1/2" 20UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE FI.
TR2- 6 8 6	3/8" (5/8" 18UNF) M. SAE FI. x 1/2" (3/4" 16UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE FI.
TR2- 8 4 8	1/2" (3/4" 16UNF) M. SAE FI. x 1/4" (7/16" 20UNF) M. SAE Flare x 1/2" (3/4" 16UNF) M. SAE FI.
TR2- 8 6 8	1/2" (3/4" 16UNF) M. SAE FI. x 3/8" (5/8" 18UNF) M. SAE Flare x 1/2" (3/4" 16UNF) M. SAE FI.
TR2- 810 8	1/2" (3/4" 16UNF) M. SAE FI. x 5/8" (7/8" 14UNF) M. SAE Flare x 1/2" (3/4" 16UNF) M. SAE FI.
TR2-10 810	5/8" (7/8" 14UNF) M. SAE FI. x 1/2" (3/4" 16UNF) M. SAE Flare x 5/8" (7/8" 14UNF) M. SAE FI.

Other Configuration on Quantity.

Male 1/2" ACME-16, Male SAE Flare x Male 1/2" ACME-16, Male SAE Flare x Male NPT National Pipe Thread



Model	Description
T3-2A	TEE (1) 1/2" Male ACME-16 x (2) 1/2" Male ACME-16 x (3) 1/8" Male NPT National Pipe Thread. R-134a.
T3-2B	1/2" M. ACME-16 x 1/2" M. ACME-16 x 1/4" M. NPT. R-134a.
T3-2LHA	1/2" M. ACME-16 LH Left Hand x 1/2" M. ACME-16 LH Left Hand x 1/8" M. NPT. R-1234yf.
T3-2LHB	1/2" M. ACME-16 LH Left Hand x 1/2" M. ACME-16 LH Left Hand x 1/4" M. NPT. R-1234yf.
T3- 3A	3/16" (3/8" 24UNF) M. SAE Flare x 3/16" (3/8" 24UNF) M. SAE Flare x 1/8" M. NPT.
T3- 4A	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" (7/16" 20UNF) M. SAE Flare x 1/8" M. NPT.
T3- 4B	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" (7/16" 20UNF) M. SAE Flare x 1/4" M. NPT.
T3- 5A	5/16" (1/2" 20UNF) M. SAE Flare x 5/16" (1/2" 20UNF) M. SAE Flare x 1/8" M. NPT.
T3- 5B	5/16" (1/2" 20UNF) M. SAE Flare x 5/16" (1/2" 20UNF) M. SAE Flare x 1/4" M. NPT.
T3- 6B	3/8" (5/8" 18UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE Flare x 1/4" M. NPT.
T3- 6C	3/8" (5/8" 18UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE Flare x 3/8" M. NPT.

Automotive Components

SAE 45°, 1/2" ACME-16, NPT and ODS BRASS FITTINGS



T3- 8C	1/2" (3/4" 16UNF) M. SAE Flare x 1/2" (3/4" 16UNF) M. SAE Flare x 3/8" M. NPT.
T3- 8D	1/2" (3/4" 16UNF) M. SAE Flare x 1/2" (3/4" 16UNF) M. SAE Flare x 1/2" M. NPT.
T3-10D	5/8" (7/8" 14UNF) M. SAE Flare x 5/8" (7/8" 14UNF) M. SAE Flare x 1/2" M. NPT.
T3-12D	3/4" (1-1/16" 14UNF) M. SAE Flare x 3/4" (1-1/16" 14UNF) M. SAE Flare x 1/2" M. NPT.
T3-12E	3/4" (1-1/16" 14UNF) M. SAE Flare x 3/4" (1-1/16" 14UNF) M. SAE Flare x 3/4" M. NPT.
TR3- 42A	Reducing TEE 1/4" (7/16" 20UNF) M. SAE Flare x 1/2" M. ACME-16 x 1/8" M. NPT. R-134a
TR3- 42B	1/4" (7/16" 20UNF) M. SAE Flare x 1/2" M. ACME-16 x 1/4" M. NPT. R-134a.
TR3- 42LHA	1/4" (7/16" 20UNF) M. SAE Flare x 1/2" M. ACME-16 LH Left Hand x 1/8" M. NPT. R-1234yf.
TR3- 42LHB	1/4" (7/16" 20UNF) M. SAE Flare x 1/2" M. ACME-16 LH Left Hand x 1/4" M. NPT. R-1234yf.
TR3- 4 3A	1/4" (7/16" 20UNF) M. SAE Flare x 3/16" (3/8" 24UNF) M. SAE Flare x 1/8" M. NPT.
TR3- 4 6A	1/4" (7/16" 20UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE Flare x 1/8" M. NPT.
TR3- 4 6B	1/4" (7/16" 20UNF) M. SAE Flare x 3/8" (5/8" 18UNF) M. SAE Flare x 1/4" M. NPT.
TR3- 62A	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. ACME-16 x 1/8" M. NPT. R-134a.
TR3- 62B	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. ACME-16 x 1/4" M. NPT. R-134a.
TR3- 62LHA	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. ACME-16 LH Left Hand x 1/8" M. NPT. R-1234yf.
TR3- 62LHB	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. ACME-16 LH Left Hand x 1/4" M. NPT. R-1234yf.
TR3- 6 4A	3/8" (5/8" 18UNF) M. SAE Flare x 1/4" (7/16" 20UNF) M. SAE Flare x 1/8" M. NPT.
TR3- 6 4B	3/8" (5/8" 18UNF) M. SAE Flare x 1/4" (7/16" 20UNF) M. SAE Flare x 1/4" M. NPT.

Other configurations on quantity

Male SAE Flare x Female SAE Flare x Male SAE Flare TEE



T6- 4

Model	Description
T6- 3	TEE 3/16" (3/8" 24UNF) Male SAE Flare x 3/16" (3/8" 24UNF) Female SAE Flare with Copper Gasket x 3/16" (3/8" 24UNF) Male SAE Flare.
T6- 4	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" (7/16" 20UNF) F. SAE w/Copper Gasket x 1/4" (7/16" 20UNF) M. SAE Flare

Male 1/2" ACME-16, SAE Flare x Male NPT National Pipe Thread ADAPTORS



U1-2A



U1- 6B

Model	Description
U1-2A	Adapter 1/2" Male ACME-16 x 1/8" Male NPT National Pipe Thread. R-134a.
U1-2B	1/2" M. ACME-16 x 1/4" M. NPT. R-134a.
U1-2LHA	1/2" M. ACME-16 LH Left Hand x 1/8" M. NPT. R-1234yf
U1-2LHB	1/2" M. ACME-16 LH Left Hand x 1/4" M. NPT. R-1234yf
U1- 2A	1/8" (5/16" 24UNF) M. SAE Flare x 1/8" M. NPT.
U1- 3A	3/16" (3/8" 24UNF) M. SAE Flare x 1/8" M. NPT.
U1- 3B	3/16" (3/8" 24UNF) M. SAE Flare x 1/4" M. NPT.
U1- 4A	1/4" (7/16" 20UNF) M. SAE Flare x 1/8" M. NPT.
U1- 4B	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" M. NPT.
U1- 4C	1/4" (7/16" 20UNF) M. SAE Flare x 3/8" M. NPT.
U1- 4D	1/4" (7/16" 20UNF) M. SAE Flare x 1/2" M. NPT.
U1- 6A	3/8" (5/8" 18UNF) M. SAE Flare x 1/8" M. NPT.
U1- 6B	3/8" (5/8" 18UNF) M. SAE Flare x 1/4" M. NPT.
U1- 6C	3/8" (5/8" 18UNF) M. SAE Flare x 3/8" M. NPT.
U1- 6D	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" M. NPT.
U1- 6E	3/8" (5/8" 18UNF) M. SAE Flare x 3/4" M. NPT.
U1- 8B	1/2" (3/4" 16UNF) M. SAE Flare x 1/4" M. NPT.
U1- 8C	1/2" (3/4" 16UNF) M. SAE Flare x 3/8" M. NPT.
U1- 8D	1/2" (3/4" 16UNF) M. SAE Flare x 1/2" M. NPT.
U1- 8E	1/2" (3/4" 16UNF) M. SAE Flare x 3/4" M. NPT.
U1-10B	5/8" (7/8" 14UNF) M. SAE Flare x 1/4" M. NPT.
U1-10C	5/8" (7/8" 14UNF) M. SAE Flare x 3/8" M. NPT.
U1-10D	5/8" (7/8" 14UNF) M. SAE Flare x 1/2" M. NPT.

Male 1/2" ACME-16, SAE Flare x Male 1/2" ACME-16, SAE Flare UNIONS



U2-2



U2- 6

Model	Description
U2-2	Union 1/2" Male ACME-16 x 1/2" Male ACME-16. R-134a
U2-2LH	(2) 1/2" M. ACME-16 LH Left Hand. R-1234yf.
U2- 2	(2) 1/8" (5/16" 24UNF) M. SAE Flare.
U2- 3	(2) 3/16" (3/8" 24UNF) M. SAE Flare.
U2- 4	(2) 1/4" (7/16" 20UNF) M. SAE Flare.
U2- 6	(2) 3/8" (5/8" 18UNF) M. SAE Flare.
U2- 8	(2) 1/2" (3/4" 16UNF) M. SAE Flare.
U2-10	(2) 5/8" (7/8" 14UNF) M. SAE Flare.

Male 1/2" ACME-16, SAE Flare x Male 1/2" ACME-16, SAE Flare REDUCING UNIONS



UR2- 4 3

Model	Description
UR2-2 4	Reducing Union 1/2" Male ACME-16 x 1/4" (7/16" 20UNF) Male SAE Flare. R-134a.

UR2-2 6	1/2" M. ACME-16 x 3/8" (5/8" 18UNF) M. SAE Flare. R-134a.
UR2-2LH4	1/2" M. ACME-16 LH Left Hand x 1/4" (7/16" 20UNF) M. SAE Flare. R-1234yf.
UR2-2LH6	1/2" M. ACME-16 LH Left Hand x 3/8" (5/8" 18UNF) M. SAE Flare. R-1234yf.
UR2- 4 3	1/4" (7/16" 20UNF) M. SAE x 3/16" (3/8" 24UNF) M. SAE
UR2- 6 4	3/8" (5/8" 18UNF) M. SAE x 1/4" (7/16" 20UNF) M. SAE
UR2- 8 4	1/2" (3/4" 16UNF) M. SAE x 1/4" (7/16" 20UNF) M. SAE
UR2- 8 6	1/2" (3/4" 16UNF) M. SAE x 3/8" (5/8" 18UNF) M. SAE
UR2-10 6	5/8" (7/8" 14UNF) M. SAE x 3/8" (5/8" 18UNF) M. SAE
UR2-10 8	5/8" (7/8" 14UNF) M. SAE x 1/2" (3/4" 16UNF) M. SAE

Male 1/2" ACME-16, SAE Flare x Female NPT National Pipe Thread ADAPTORS



Model	Description
U3-2A	Adapter 1/2" Male ACME-16 x 1/8" Female NPT National Pipe Thread. R-134a.
U3-2B	1/2" M. ACME-16 x 1/4" F. NPT. R-134a.
U3-2C	1/2" M. ACME-16 x 3/8" F. NPT. R-134a.
U3-2LHA	1/2" M. ACME-16 LH Left Hand x 1/8" F. NPT. R-1234yf
U3-2LHB	1/2" M. ACME-16 LH Left Hand x 1/4" F. NPT. R-1234yf
U3-2LHC	1/2" M. ACME-16 LH Left Hand x 3/8" F. NPT. R-1234yf
U3- 2A	1/8" (5/16" 24UNF) M. SAE Flare x 1/8" F. NPT.
U3- 3A	3/16" (3/8" 24UNF) M. SAE Flare x 1/8" F. NPT.
U3- 4A	1/4" (7/16" 20UNF) M. SAE Flare x 1/8" F. NPT.
U3- 4B	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" F. NPT.
U3- 4C	1/4" (7/16" 20UNF) M. SAE Flare x 3/8" F. NPT.
U3- 4D	1/4" (7/16" 20UNF) M. SAE Flare x 1/2" F. NPT.
U3- 5A	5/16" (1/2" 20UNF) M. SAE Flare x 1/8" F. NPT.
U3- 5B	5/16" (1/2" 20UNF) M. SAE Flare x 1/4" F. NPT.
U3- 5C	5/16" (1/2" 20UNF) M. SAE Flare x 3/8" F. NPT.
U3- 5D	5/16" (1/2" 20UNF) M. SAE Flare x 1/2" F. NPT.
U3- 6A	3/8" (5/8" 18UNF) M. SAE Flare x 1/8" F. NPT.
U3- 6B	3/8" (5/8" 18UNF) M. SAE Flare x 1/4" F. NPT.
U3- 6B	3/8" (5/8" 18UNF) M. SAE Flare x 1/4" F. NPT.
U3- 6C	3/8" (5/8" 18UNF) M. SAE Flare x 3/8" F. NPT.
U3- 6D	3/8" (5/8" 18UNF) M. SAE Flare x 1/2" F. NPT.
U3- 6E	3/8" (5/8" 18UNF) M. SAE Flare x 3/4" F. NPT.
U3- 8B	1/2" (3/4" 16UNF) M. SAE Flare x 1/4" F. NPT.
U3- 8C	1/2" (3/4" 16UNF) M. SAE Flare x 3/8" F. NPT.
U3- 8D	1/2" (3/4" 16UNF) M. SAE Flare x 1/2" F. NPT.
U3- 8E	1/2" (3/4" 16UNF) M. SAE Flare x 3/4" F. NPT.
U3-10C	5/8" (7/8" 14UNF) M. SAE Flare x 3/8" F. NPT.
U3-10D	5/8" (7/8" 14UNF) M. SAE Flare x 1/2" F. NPT.
U3-10E	5/8" (7/8" 14UNF) M. SAE Flare x 3/4" F. NPT.

Female SAE Flare with Long Tan Copper Gasket x Male 1/2" ACME-16, SAE Flare ADAPTORS



Model	Description
UR3- 42	Adapter 1/4" (7/16" 20UNF) Female SAE Flare with Long Tan Copper Gasket x 1/2" Male ACME-16. R-134a
UR3- 42LH	1/4" (7/16" 20UNF) F. SAE Flare w/ltcg x 1/2" M. ACME-16 LH Left Hand. R-1234yf.
UR3- 2 3	1/8" (5/16" 24UNF) F. SAE x 3/16" (3/8" 24UNF) M. SAE
UR3- 2 4	1/8" (5/16" 24UNF) F. SAE x 1/4" (7/16" 20UNF) M. SAE
UR3- 3 2	3/16" (3/8" 24UNF) F. SAE x 1/8" (5/16" 24UNF) M. SAE
UR3- 3 4	3/16" (3/8" 24UNF) F. SAE x 1/4" (7/16" 20UNF) M. SAE
UR3- 4 2	1/4" (7/16" 20UNF) F. SAE x 1/8" (5/16" 24UNF) M. SAE
UR3- 4 3	1/4" (7/16" 20UNF) F. SAE x 3/16" (3/8" 24UNF) M. SAE
UR3- 4 6	1/4" (7/16" 20UNF) F. SAE x 3/8" (5/8" 18UNF) M. SAE
UR3- 52	5/16" (1/2" 20UNF) F. SAE x 1/2" M. ACME-16. R-134a
UR3- 52LH	5/16" (1/2" 20UNF) F. SAE Flare w/ltcg x 1/2" M. ACME-16 LH Left Hand. R-1234yf.
UR3- 5 2	5/16" (1/2" 20UNF) F. SAE x 1/8" (5/16" 24UNF) M. SAE
UR3- 5 3	5/16" (1/2" 20UNF) F. SAE x 3/16" (3/8" 24UNF) M. SAE
UR3- 5 6	5/16" (1/2" 20UNF) F. SAE x 3/8" (5/8" 18UNF) M. SAE
UR3- 62	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 1/2" M. ACME-16. R-134a
UR3- 62LH	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 1/2" M. ACME-16 LH Left Hand. R-1234yf.
UR3- 6 4	3/8" (5/8" 18UNF) F. SAE x 1/4" (7/16" 20UNF) M. SAE
UR3- 6 8	3/8" (5/8" 18UNF) F. SAE x 1/2" (3/4" 16UNF) M. SAE
UR3- 8 6	1/2" (3/4" 16UNF) F. SAE x 3/8" (5/8" 18UNF) M. SAE
UR3- 810	1/2" (3/4" 16UNF) F. SAE x 5/8" (7/8" 14UNF) M. SAE
UR3- 812	1/2" (3/4" 16UNF) F. SAE x 3/4" (1-1/16" 14UNF) M. SAE
UR3-10 8	5/8" (7/8" 14UNF) F. SAE x 1/2" (3/4" 16UNF) M. SAE
UR3-1012	5/8" (7/8" 14UNF) F. SAE x 3/4" (1-1/16" 14UNF) M. SAE
UR3-12 8	3/4" (1-1/16" 14UNF) F. SAE x 1/2" (3/4" 16UNF) M. SAE
UR3-1210	3/4" (1-1/16" 14UNF) F. SAE x 5/8" (7/8" 14UNF) M. SAE

Male 1/2" ACME-16, SAE Flare x ODS Solder ADAPTORS



Model	Description
US3-2 4	Adapter 1/2" Male ACME-16 x 1/4" (6,35 mm.) ODS solder. R-134a.
US3-2 5	1/2" M. ACME-16 x 5/16" (8,00 mm.) ODS. R-134a
US3-2 6	1/2" M. ACME-16 x 3/8" (9,52 mm.) ODS. R-134a
US3-2LH6	1/2" M. ACME-16 LH Left Hand x 1/4" (6,35 mm.) ODS. R-1234yf

Automotive Components

SAE 45°, 1/2" ACME-16, NPT and ODS BRASS FITTINGS



US3- 4 4

US3-2LH 5	1/2" M. ACME-16 LH Left Hand x 5/16" (8,00 mm.) ODS. R-1234yf.
US3-2LH 6	1/2" M. ACME-16 LH Left Hand x 3/8" (9,52 mm.) ODS. R-1234yf.
US3- 2 4	1/8" (5/16" 24UNF) M. SAE x 1/4" (6,35 mm) ODS
US3- 2 5	1/8" (5/16" 24UNF) M. SAE x 5/16" (8,00 mm) ODS
US3- 2 6	1/8" (5/16" 24UNF) M. SAE x 3/8" (9,52 mm) ODS
US3- 3 4	3/16" (3/8" 24UNF) M. SAE x 1/4" (6,35 mm) ODS
US3- 3 5	3/16" (3/8" 24UNF) M. SAE x 5/16" (8,00 mm) ODS
US3- 3 6	3/16" (3/8" 24UNF) M. SAE x 3/8" (9,52 mm) ODS
US3- 4 4	1/4" (7/16" 20UNF) M. SAE x 1/4" (6,35 mm) ODS
US3- 4 5	1/4" (7/16" 20UNF) M. SAE x 5/16" (8,00 mm) ODS
US3- 4 6	1/4" (7/16" 20UNF) M. SAE x 3/8" (9,52 mm) ODS
US3- 4 8	1/4" (7/16" 20UNF) M. SAE x 1/2" (12,70 mm) ODS
US3- 5 4	5/16" (1/2" 20UNF) M. SAE x 1/4" (6,35 mm) ODS
US3- 5 5	5/16" (1/2" 20UNF) M. SAE x 5/16" (8,00 mm) ODS
US3- 5 6	5/16" (1/2" 20UNF) M. SAE x 3/8" (9,52 mm) ODS
US3- 5 8	5/16" (1/2" 20UNF) M. SAE x 1/2" (12,70 mm) ODS
US3- 6 4	3/8" (5/8" 18UNF) M. SAE x 1/4" (6,35 mm) ODS
US3- 6 5	3/8" (5/8" 18UNF) M. SAE x 5/16" (8,00 mm) ODS
US3- 6 6	3/8" (5/8" 18UNF) M. SAE x 3/8" (9,52 mm) ODS
US3- 6 8	3/8" (5/8" 18UNF) M. SAE x 1/2" (12,70 mm) ODS
US3- 610	3/8" (5/8" 18UNF) M. SAE x 5/8" (15,88 mm) ODS
US3- 8 5	1/2" (3/4" 16UNF) M. SAE x 5/16" (8,00 mm) ODS
US3- 8 6	1/2" (3/4" 16UNF) M. SAE x 3/8" (9,52 mm) ODS
US3- 8 8	1/2" (3/4" 16UNF) M. SAE x 1/2" (12,70 mm) ODS
US3- 810	1/2" (3/4" 16UNF) M. SAE x 5/8" (15,88 mm) ODS
US3-10 6	5/8" (7/8" 14UNF) M. SAE x 3/8" (9,52 mm) ODS
US3-10 8	5/8" (7/8" 14UNF) M. SAE x 1/2" (12,70 mm) ODS
US3-1010	5/8" (7/8" 14UNF) M. SAE x 5/8" (15,88 mm) ODS
US3-1012	5/8" (7/8" 14UNF) M. SAE x 3/4" (19,05 mm) ODS
US3-1014	5/8" (7/8" 14UNF) M. SAE x 7/8" (22,22 mm) ODS
US3-12 8	3/4" (1-1/16" 14UNF) M. SAE x 1/2" (12,70 mm) ODS
US3-1210	3/4" (1-1/16" 14UNF) M. SAE x 5/8" (15,88 mm) ODS
US3-1212	3/4" (1-1/16" 14UNF) M. SAE x 3/4" (19,05 mm) ODS
US3-1214	3/4" (1-1/16" 14UNF) M. SAE x 7/8" (22,22 mm) ODS
US3-1414	7/8" (1-1/4" 12UNF) M. SAE x 7/8" (22,22 mm) ODS
US3-2 6MM	1/2" M. ACME-16 x 6 mm. ODS. R-134a
US3-210MM	1/2" M. ACME-16 x 10 mm. ODS. R-134a
US3-2LH 6MM	1/2" M. ACME-16 LH x 6 mm. ODS. R-1234yf
US3-2LH10MM	1/2" M. ACME-16 LH x 10 mm. ODS. R-1234yf
US3- 2 6MM	1/8" (5/16" 24UNF) M. SAE Flare x 6 mm. ODS
US3- 210MM	1/8" (5/16" 24UNF) M. SAE Flare x 10 mm. ODS
US3- 3 6MM	3/16" (3/8" 24UNF) M. SAE Flare x 6 mm. ODS
US3- 310MM	3/16" (3/8" 24UNF) M. SAE Flare x 10 mm. ODS
US3- 4 6MM	1/4" (7/16" 20UNF) M. SAE Flare x 6 mm. ODS
US3- 410MM	1/4" (7/16" 20UNF) M. SAE Flare x 10 mm. ODS

US3- 5 6MM	5/16" (1/2" 20UNF) M. SAE Flare x 6 mm. ODS
US3- 510MM	5/16" (1/2" 20UNF) M. SAE Flare x 10 mm. ODS
US3- 512MM	5/16" (1/2" 20UNF) M. SAE Flare x 12 mm. ODS
US3- 6 6MM	3/8" (5/8" 18UNF) M. SAE Flare x 6 mm. ODS
US3- 610MM	3/8" (5/8" 18UNF) M. SAE Flare x 10 mm. ODS
US3- 612MM	3/8" (5/8" 18UNF) M. SAE Flare x 12 mm. ODS
US3- 810MM	1/2" (3/4" 16UNF) M. SAE Flare x 10 mm. ODS
US3- 812MM	1/2" (3/4" 16UNF) M. SAE Flare x 12 mm. ODS
US3- 815MM	1/2" (3/4" 16UNF) M. SAE Flare x 15 mm. ODS
US3- 816MM	1/2" (3/4" 16UNF) M. SAE Flare x 16 mm. ODS
US3-1015MM	5/8" (7/8" 14UNF) M. SAE Flare x 15 mm. ODS
US3-1016MM	5/8" (7/8" 14UNF) M. SAE Flare x 16 mm. ODS
US3-1018MM	5/8" (7/8" 14UNF) M. SAE Flare x 18 mm. ODS

Female SAE Flare x Female SAE Flare with Long Tan Copper Gasket CONNECTORS



U4- 4

Model	Description
U4- 2	Connector (2) 1/8" (5/16" 24UNF) Female SAE Flare with Copper Gasket.
U4- 3	(2) 3/16" (3/8" 24UNF) F. SAE Flare w/Copper Gasket.
U4- 4	(2) 1/4" (7/16" 20UNF) F. SAE Flare w/ltcg.
U4- 5	(2) 5/16" (1/2" 20UNF) F. SAE Flare w/ltcg.
U4- 6	(2) 3/8" (5/8" 18UNF) F. SAE Flare w/ltcg.
U4- 8	(2) 1/2" (3/4" 16UNF) F. SAE Flare w/ltcg.
U4-10	(2) 5/8" (7/8" 14UNF) F. SAE Flare w/ltcg.
U4-12	(2) 3/4" (1-1/16" 20UNF) F. SAE Flare w/ltcg.

Female SAE Flare Swivel Nut x Female SAE Flare with Long Tan Copper Gaskets CONNECTORS



US4- 4

Model	Description
US4- 4	Connector 1/4" (7/16" 20UNF) Female SAE Flare Swivel Nut with Long Tan Copper Gasket x 1/4" (7/16" 20UNF) Female SAE Flare with Long Tan Copper Gasket.
US4- 5	(2) 5/16" (1/2" 20UNF) F. SAE Flare w/ltcg.
US4- 6	(2) 3/8" (5/8" 18UNF) F. SAE Flare w/ltcg.
US4- 8	(2) 1/2" (3/4" 16UNF) F. SAE Flare w/ltcg.
US4-10	(2) 5/8" (7/8" 14UNF) F. SAE Flare w/ltcg.
US4-12	(2) 3/4" (1-1/16" 14UNF) F. SAE Flare w/ltcg.

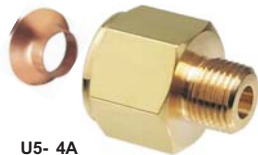
Female SAE Flare Swivel Nut x Female SAE Flare with Long Tan Copper Gasket REDUCING CONNECTORS



URS4- 5 4

Model	Description
URS4- 5 4	Reducing Connector 5/16" (1/2" 20UNF) Female SAE Flare Swivel Nut with Long Tan Copper Gasket x 1/4" (7/16" 20UNF) Female SAE Flare with Long Tan Copper Gasket.
URS4- 6 4	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 1/4" (7/16" 20UNF) F. SAE Flare w/ltcg.
URS4- 8 6	1/2" (3/4" 16UNF) F. SAE Flare w/ltcg x 3/8" (5/8" 18UNF) F. SAE Flare w/ltcg.
URS4-10 8	5/8" (7/8" 14UNF) F. SAE Flare w/ltcg x 1/2" (3/4" 16UNF) F. SAE Flare w/ltcg.
URS4-1210	3/4" (1-1/16" 14UNF) F. SAE Flare w/ltcg x 5/8" (7/8" 14UNF) F. SAE Flare w/ltcg.

Female SAE Flare with Long Tan Copper Gasket x Male NPT National Pipe Thread ADAPTORS



U5- 4A

Model	Description
U5- 2A	Adapter 1/8" (5/16" 24UNF) Female SAE Flare with Copper Gasket x 1/8" Male NPT National Pipe Thread
U5- 3A	3/16" (5/16" 24UNF) F. SAE Flare w/cg x 1/8" M. NPT
U5- 4A	1/4" (7/16" 20UNF) F. SAE Flare w/ltcg x 1/8" M. NPT
U5- 4B	1/4" (7/16" 20UNF) F. SAE Flare w/ltcg x 1/4" M. NPT
U5- 4C	1/4" (7/16" 20UNF) F. SAE Flare w/ltcg x 3/8" M. NPT
U5- 5A	5/16" (1/2" 20UNF) F. SAE Flare w/ltcg x 1/8" M. NPT
U5- 5B	5/16" (1/2" 20UNF) F. SAE Flare w/ltcg x 1/4" M. NPT
U5- 5C	5/16" (1/2" 20UNF) F. SAE Flare w/ltcg x 3/8" M. NPT
U5- 6B	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 1/4" M. NPT
U5- 6C	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 3/8" M. NPT
U5- 6D	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 1/2" M. NPT
U5- 8C	1/2" (3/4" 16UNF) F. SAE Flare w/ltcg x 3/8" M. NPT
U5- 8D	1/2" (3/4" 16UNF) F. SAE Flare w/ltcg x 1/2" M. NPT
U5-10D	5/8" (7/8" 14UNF) F. SAE Flare w/ltcg x 1/2" M. NPT
U5-10E	5/8" (7/8" 14UNF) F. SAE Flare w/ltcg x 3/4" M. NPT

Female SAE Flare Swivel Nut with Long Tan Copper Gasket x ODS Solder - ADAPTORS



US5- 4 4

Model	Description
US5- 4 4	Adapter 1/4" (7/16" 20UNF) Female SAE Flare Swivel Nut with Long Tan Copper Gasket x 1/4" (6,35 mm.) ODS Solder.
US5- 6 6	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 3/8" (9,52 mm.) ODS.
US5- 8 8	1/2" (3/4" 16UNF) F. SAE Flare w/ltcg x 1/2" (12,70 mm.) ODS.
US5-1010	5/8" (7/8" 14UNF) F. SAE Flare w/ltcg x 5/8" (15,88 mm.) ODS.
US5-1212	3/4" (1-1/16" 14UNF) F. SAE Flare w/ltcg x 3/4" (19,05 mm.) ODS.

Female SAE Flare with Long Tan Copper Gasket x ODS Solder ADAPTORS



US6- 4 4

Model	Description
US6- 2 4	Adapter 1/8" (5/16" 24UNF) Female SAE Flare with Copper Gasket x 1/4" (6,35 mm.) ODS solder.
US6- 3 4	3/16" (3/8" 24UNF) F. SAE Flare w/cg x 1/4" (6,35 mm.) ODS.
US6- 4 4	1/4" (7/16" 20UNF) F. SAE Flare w/ltcg x 1/4" (6,35 mm.) ODS.
US6- 5 5	5/16" (1/2" 20UNF) F. SAE Flare w/ltcg x 5/16" (8,00 mm.) ODS.
US6- 6 6	3/8" (5/8" 18UNF) F. SAE Flare w/ltcg x 3/8" (9,52 mm.) ODS.
US6- 8 8	1/2" (3/4" 16UNF) F. SAE Flare w/ltcg x 1/2" (12,70 mm.) ODS.
US6-1010	5/8" (7/8" 14UNF) F. SAE Flare w/ltcg x 5/8" (15,88 mm.) ODS.
US6- 22,75MM	1/8" (3/8" 24UNF) F. SAE Flare with Copper Gasket x capillary tubing 2,75 mm. ODS.
US6- 26,00MM	1/8" (3/8" 24UNF) F. SAE Flare with Copper Gasket x 6 mm. ODS.
US6- 32,75MM	3/16" (5/16" 24UNF) F. SAE Flare with Copper Gasket x capillary tubing 2,75 mm. ODS.
US6- 36,00MM	3/16" (5/16" 24UNF) F. SAE Flare with Copper Gasket x 6 mm. ODS.
US6- 42,75MM	1/4" (7/16" 20UNF) F. SAE Flare with Long Tan Copper Gasket x capillary tubing 2,75 mm. ODS.
US6- 46,00MM	1/4" (7/16" 20UNF) F. SAE Flare w/ltcg x 6 mm. ODS
US6- 52,75MM	5/16" (1/2" 20UNF) F. SAE Flare w/ltcg x capillary tubing 2,75 mm. ODS.
US6- 56,00MM	5/16" (1/2" 20UNF) F. SAE Flare w/ltcg x 6 mm. ODS.

Automotive Components

SAE 45°, 1/2" ACME-16, NPT and ODS BRASS FITTINGS



US6- 56,00MM	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 6 mm. ODS.
US6- 610MM	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 10 mm. ODS.
US6- 812MM	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 12 mm. ODS.
US6-1016MM	5/8" (7/8" 14UNF) F. SAE Flare w/lcgc x 16 mm. ODS.

Female SAE Flare with Long Tan Copper Gasket x Female NPT Nation Pipe Thread ADAPTORS



U6- 6B

Model	Description
U6- 2A	Adapter 1/8" (5/16" 24UNF) Female SAE Flare with copper gasket x 1/8" Female NPT National Pipe Thread
U6- 3A	3/16" (3/8" 24UNF) F. SAE Flare w/lcgc x 1/4" F. NPT
U6- 4A	1/4" (7/16" 20UNF) F. SAE Flare w/lcgc x 1/8" F. NPT
U6- 4B	1/4" (7/16" 20UNF) F. SAE Flare w/lcgc x 1/4" F. NPT
U6- 4C	1/4" (7/16" 20UNF) F. SAE Flare w/lcgc x 3/8" F. NPT
U6- 5A	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 1/8" F. NPT
U6- 5B	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 1/4" F. NPT
U6- 5C	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 3/8" F. NPT
U6- 6A	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 1/8" F. NPT
U6- 6B	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 1/4" F. NPT
U6- 6C	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 3/8" F. NPT
U6- 8B	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 1/4" F. NPT
U6- 8C	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 3/8" F. NPT
U6- 8D	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 1/2" F. NPT
U6-10D	5/8" (7/8" 14UNF) F. SAE Flare w/lcgc x 1/2" F. NPT
U6-10E	5/8" (7/8" 14UNF) F. SAE Flare w/lcgc x 3/4" F. NPT

Female SAE Flare with Long Tan Copper Gasket x Male SAE Fare - EXTENSIONS



U3- 5

Model	Description
U3- 2	Extension 1/8" (5/16" 24UNF) Female SAE Flare with Copper Gasket x 1/8" (5/16" 24UNF) Male SAE Flare.
U3- 3	3/16" (3/8" 24UNF) F. SAE Flare w/lcgc x 3/16" M. SAE.
U3- 4	1/4" (7/16" 20UNF) F. SAE Flare w/lcgc x 1/4" M. SAE
U3- 5	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 5/16" M. SAE
U3- 6	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 3/8" M. SAE
U3- 8	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 1/2" M. SAE
U3-10	5/8" (7/8" 14UNF) F. SAE Flare w/lcgc x 5/8" M. SAE

Male SAE Extra Long Flare x Male NPT National Pipe Thread ADAPTORS



UX1- 4B

Model	Description
UX1- 4A	Adapter 1/4" (7/16" 20UNF) Male SAE Extra Long Flare x 1/8" Male NPT National Pipe Thread.
UX1- 4B	1/4" (7/16" 20UNF) M. SAE Flare x 1/4" M. NPT.
UX1- 4C	1/4" (7/16" 20UNF) M. SAE Flare x 3/8" M. NPT.
UX1- 5A	5/16" (1/2" 20UNF) M. SAE Flare x 1/8" M. NPT.
UX1- 5B	5/16" (1/2" 20UNF) M. SAE Flare x 1/4" M. NPT.
UX1- 5C	5/16" (1/2" 20UNF) M. SAE Flare x 3/8" M. NPT.

Male SAE Extra Long Flare x Male SAE Extra Long Flare UNIONS



UX2- 4

Model	Description
UX2- 4	Union 1/4" (7/16" 20UNF) Male SAE Extra Long Flare x 1/4" (7/16" 20UNF) Male SAE Extra Long Flare.
UX2- 5	5/16" (1/2" 20UNF) M. SAE Extra Long Flare x 5/16" (1/2" 20UNF) M. SAE Extra Long Flare.

Female SAE Flare Swivel Nut with Long Tan Copper Gasket x Male NPT National Pipe Thread ADAPTORS



US4-10D

Model	Description
US4- 4A	Adapter 1/4" (7/16" 20UNF) Female SAE Flare Swivel Nut with Long Tan Copper Gasket x 1/8" Male NPT National Pipe Thread.
US4- 4B	1/4" (7/16" 20UNF) F. SAE Flare w/lcgc x 1/4" M. NPT
US4- 4C	1/4" (7/16" 20UNF) F. SAE Flare w/lcgc x 3/8" M. NPT
US4- 5A	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 1/8" M. NPT
US4- 5B	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 1/4" M. NPT
US4- 5C	5/16" (1/2" 20UNF) F. SAE Flare w/lcgc x 3/8" M. NPT
US4- 6B	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 1/4" M. NPT
US4- 6C	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 3/8" M. NPT
US4- 6D	3/8" (5/8" 18UNF) F. SAE Flare w/lcgc x 1/2" M. NPT
US4- 8C	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 3/8" M. NPT
US4- 8D	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 1/2" M. NPT
US4- 8E	1/2" (3/4" 16UNF) F. SAE Flare w/lcgc x 3/4" M. NPT
US4-10D	5/8" (7/8" 14UNF) F. SAE Flare w/lcgc x 1/2" M. NPT
US4-10E	5/8" (7/8" 14UNF) F. SAE Flare w/lcgc x 3/4" M. NPT

Female SAE HEX LOCK NUT



HLN- 4

Model	Description
HLN- 4	Hex Lock Nut 1/4" (7/16" 20UNF) Female SAE.
HLN- 5	5/16" (1/2" 20UNF) F. SAE.
HLN- 6	3/8" (5/8" 18UNF) F. SAE.
HLN- 8	1/2" (3/4" 16UNF) F. SAE.
HLN-10	5/8" (7/8" 14UNF) F. SAE.



Heavy duty tube fittings generally conform to ARI, SAE, EN378-2, 97/23/CE, 2002/95/EC Standards for AC&R Air Conditioning and Refrigeration Service. Long dryseal pipe threads minimize leakage and provide more clearance for tightening flare nuts. Shapes, elbows, tees... are made from brass forgings to maximize strength and eliminate cracks. Long Tan Copper Gaskets (B3 Series) furnished with all Female SAE Flares.

COPPER FLARE BONNETS / GASKETS / LONG TAN COPPER GASKETS

B1 Copper Flare Bonnets are used in order to protect from refrigerant or nitrogen charge leaks the ports connection of Refrigeration Equipments, Condensing Units, Fan-coils, Condensers, Evaporators...

B2 Copper Flare Gaskets are used in all brass to brass connections.

B3 Long Tan Copper Gasket remain in perfect position even in horizontal connections or vertical towards down connections. Also used in STEK high leak proof fittings, SFF Self Flare Fittings, Adapters, Connectors...



B1- 4



B2- 4



B3- 4

Model	Description
B1- 3	Copper Flare Bonnet for Ø 3/16" O.D. tubing. Replace after every application.
B1- 4	Ø 1/4" O.D. tubing.
B1- 5	Ø 5/16" O.D. tubing.
B1- 6	Ø 3/8" O.D. tubing.
B1- 8	Ø 1/2" O.D. tubing.
B1-10	Ø 5/8" O.D. tubing.
B1-12	Ø 3/4" O.D. tubing.
B1-14	Ø 7/8" O.D. tubing.
B2- 3	Copper Flare Gasket for 3/16" Female SAE Flare. Replace after every application.
B2- 4	1/4" Female SAE Flare.
B2- 5	5/16" Female SAE Flare.
B2- 6	3/8" Female SAE Flare.
B2- 8	1/2" Female SAE Flare.
B2-10	5/8" Female SAE Flare.
B2-12	3/4" Female SAE Flare.
B2-14	7/8" Female SAE Flare.
B3- 4	Long Tan Copper Gasket for 1/4" SAE Flare. Replace after every application.
B3- 5	5/16" Female SAE Flare.
B3- 6	3/8" Female SAE Flare.
B3- 8	1/2" Female SAE Flare.
B3-10	5/8" Female SAE Flare.
B3-12	3/4" Female SAE Flare.
B3-14	7/8" Female SAE Flare.