

VIBRATION MANAGEMENT CORPORATION

3532-A EAST TC JESTER, BROOKWOOD BUSINESS PARK,
HOUSTON, TEXAS 77018, U.S.A

45° FLARE FITTINGS

VIMCO offers refrigeration 45° flared tube fittings fabricated from both brass forgings or drawn brass rod (extrusion) completely eliminating the possibility of seepage by porosity. Fittings are accurately machined assuring tight leak-proof joints. Smooth interior finish provides unrestricted flow and reduced pressure drop.

APPLICATION

VIMCO 45° flare fittings offer an economical solution for use with aluminum, brass, copper and welded steel tubing that can be flared.

They are used extensively for connections on refrigerant, air, fuel, liquid petroleum (LP), natural gas lines, and oil lines, where repetitive, leak-proof assembly / disassembly is required.

SPECIFICATIONS

VIMCO 45° flare fittings meet functional requirements of SAE J512 and J513, ASA, ASME and MS (Military Standards)

TEMPERATURE RANGE

-65°F to 250°F

SPECIAL REQUESTS

Configurations and/or sizes other than those indicated in this catalog can be provided. Please contact us for factory quotes.

FEATURES

- * Can be assembled / disassembled repeatedly.
- * Resist mechanical pullout.
- * Good vibration resistance. (long nuts are recommended where greater vibration resistance is required)
- * Accurate machining to industry standard tolerances.
- * Smooth interior finish.
- * Short bodies and nuts allow compact installation.

INSTALLATION INSTRUCTIONS

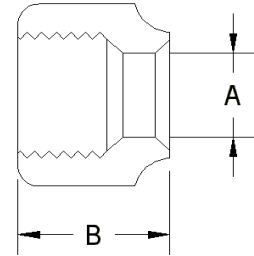
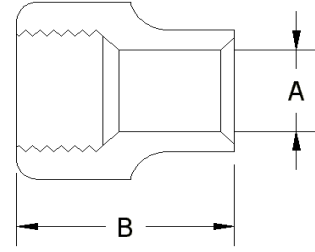
1. Cut tubing cleanly and straight. Remove any burrs and clean tube end completely.
 2. Place Flare Nut onto tube with the threaded end nearest the tube end.
 3. Flare tube end with flaring tool to provide 45° flare.
 4. Clamp the flare end of the tube next to the fitting and begin screwing the flare nut onto the fitting until finger tight.
 5. Apply an additional ¼ turn with a wrench to achieve *metal to metal seal*.
- * **DO NOT OVER TIGHTEN AS IT MAY DAMAGE BOTH THE FITTING AND THE TUBING.**

[Local Representative :](#)

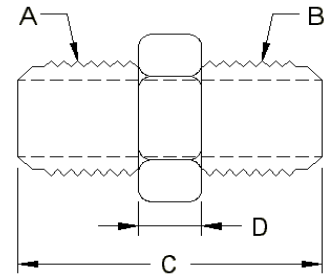
Due to our policy of continual product development and improvement, all specifications are subject to change without prior notice. Please consult your local rep. for updates.

Catalog no.
P - 2750
(2 pages)
Rev. 0

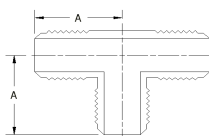
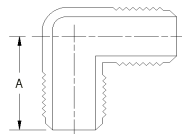
Model	Size			A		B
	Flare	Tube	Hex	Min	Max	
Long nuts						
FLN-02	1/4	-	5/8	0.255	0.250	15/16
FLN-031	5/16	-	11/16	0.317	0.322	1 1/16
FLN-037	3/8	-	13/16	0.380	0.385	1 3/16
FLN-05	1/2	-	15/16	0.505	0.510	1 7/16
FLN-06	5/8	-	1 1/16	0.630	0.635	1 3/4
FLN-07	3/4	-	1 5/16	0.755	0.760	
Long reducing nuts						
FLRN-02-01	1/4	3/16	5/8	0.192	0.197	15/16
FLRN-031-02	5/16	1/4	11/16	0.255	0.260	15/16
FLRN-037-02	3/8	1/4	13/16	0.255	0.260	1 1/16
FLRN-037-031	3/8	5/16	13/16	0.317	0.322	1 1/16
FLRN-05-037	1/2	3/8	15/16	0.380	0.385	1 3/16
FLRN-06-05	5/8	1/2	1 1/16	0.505	0.510	1 7/16
Short nuts						
FSN-01	3/16	-	1/2	0.192	0.197	17/32
FSN-02	1/4	-	5/8	0.255	0.260	19/32
FSN-031	5/16	-	11/16	0.317	0.322	5/8
FSN-037	3/8	-	13/16	0.380	0.385	11/16
FSN-05	1/2	-	15/16	0.505	0.510	13/16
FSN-06	5/8	-	1 1/16	0.630	0.635	15/16
FSN-07	3/4	-	1 5/16	0.755	0.760	1 1/8
Short reducing nuts						
FSRN-02-01	1/4	3/16	5/8	0.192	0.197	19/32
FSRN-031-02	5/16	1/4	11/16	0.255	0.260	5/8
FSRN-037-02	3/8	1/4	13/16	0.255	0.260	11/16
FSRN-037-031	3/8	5/16	13/16	0.317	0.322	11/16
FSRN-05-037	1/2	3/8	15/16	0.380	0.385	13/16
FSRN-06-05	5/8	1/2	1 1/16	0.505	0.510	15/16



Model	Size			C	D
	Flare A	Flare B	Hex		
Unions					
FU-01	3/16	3/16	3/8	1 1/16	3/16
FU-02	1/4	1/4	7/16	1 3/16	3/16
FU-031	5/16	5/16	1/2	1 11/32	7/32
FU-037	3/8	3/8	5/8	1 1/2	1/4
FU-05	1/2	1/2	3/4	1 13/16	5/16
FU-06	5/8	5/8	7/8	2 1/8	3/8
FU-07	3/4	3/4	1 1/16	2 7/16	3/8
Reducing unions					
FU-02-01	1/4	3/16	7/16	1 1/8	3/16
FU-031-02	5/16	1/4	1/2	1 9/32	7/32
FU-037-02	3/8	1/4	5/8	1 3/8	1/4
FU-037-031	3/8	5/16	5/8	1 7/16	1/4
FU-05-02	1/2	1/4	3/4	1 9/16	5/16
FU-05-037	1/2	3/8	3/4	1 11/16	5/16
FU-06-037	5/8	3/8	7/8	1 7/8	3/8
FU-06-05	5/8	1/2	7/8	2	3/8
FU-07-05	3/4	1/2	1 1/16	2 3/16	3/8
FU-07-06	3/4	5/8	1 1/16	2 5/16	3/8



Model	Flare	A
90° Elbows, union		
FE-01	3/16	3/4
FE-02	1/4	7/8
FE-031	5/16	29/32
FE-037	3/8	1 1/16
FE-05	1/2	1 7/32
FE-06	5/8	1 13/32
FE-07	3/4	1 21/32
Three-way Tees		
FT-02	1/4	7/8
FT-031	5/16	29/32
FT-037	3/8	1 1/16
FT-05	1/2	1 7/32
FT-06	5/8	1 13/32
FT-07	3/4	1 21/32



VIMCO

* All dimensions in inches unless otherwise specified

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