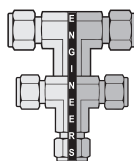


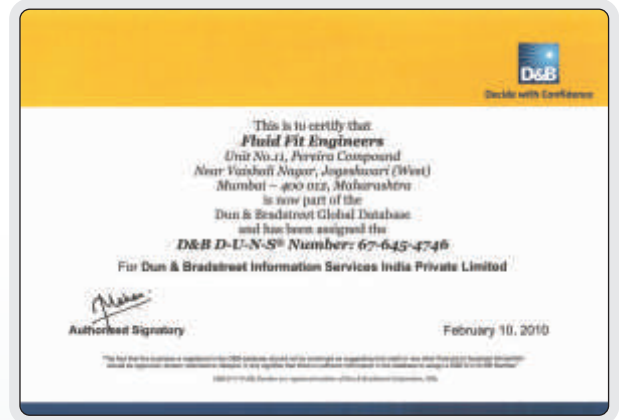


37° FLARED TUBE FITTINGS



FLUIDLOK

37° FLARED TUBE FITTINGS



PRODUCT RANGE

Fitting Series:

- Precision pipe fittings and Adaptors
- Twin Ferrule fittings
- 37° Flared tube fittings
- Hydraulic Fittings (DIN 2353)

Valves Series:

- Needle Valves
- Manifold & Mono-flange Valves
- Instrumentation Ball Valves
- Relief valves, Bleed Valves, Check Valves

Accessories:

- Condenser Pot
- Air Header Distributor
- Gauge Cock, Gauge Saver,
- Fittings Claps



Page 2 to 4 and 13 to 16 **Technical Information**

	Page 5 MALE CONNECTOR NPT Thread		Page 10 BULKHEAD UNION
	Page 5 MALE CONNECTOR O-ring with SAE-Straight Thread		Page 10 UNION ELBOW
	Page 6 MALE ELBOW O-ring with SAE-Straight Thread		Page 10 UNION TEE
	Page 6 MALE BRANCH TEE NPT Thread		Page 11 UNION CROSS
	Page 7 MALE RUN TEE NPT Thread		Page 11 REDUCING ADAPTER
	Page 7 FEMALE CONNECTOR NPT Thread		Page 11 TUBE CAP
	Page 8 FEMALE ELBOW NPT Thread		Page 12 PLUG
	Page 8 FEMALE BRANCH TEE NPT Thread		Page 12 TUBE END NUT for 3 Piece Tube Assembly
	Page 9 FEMALE RUN TEE NPT Thread		Page 13 TUBE END SLEEVE for 3 Piece Tube Assembly
	Page 9 UNION		Page 13 BULKHEAD LOCKNUT
	Page 9 LARGE HEX UNION		

37° FLARED TUBE FITTINGS

Technical Information

INTRODUCTION

FLUIDLOK 37° flared Tube Fittings- three precision component tube assembly are manufactured in accordance with SAE J514 Standard. These fittings are available in Carbon Steel & Stainless Steel Construction. Designed specifically for many demanding applications such as automobile, ship building, compressed air, fuel heating, refrigeration, chemical industry etc.

OUR FOCUS

FLUIDLOK manufactures all the above products to very stringent tolerances under rigid quality controlled procedures approved to ISO 9001:2000 quality management systems. The products are tested with continuous research and development programs to withstand the demand of high performance world class quality products for instrumentation and process tubing. These products are used in the environments like Oil, Gas, Chemical, Petrochemical, Nuclear, Power plant, Pharmaceutical, Hydraulic, Pneumatic, Marine, Packaging, Printing Industries etc.

MANUFACTURING FACILITY

FLUIDLOK has well equipped manufacturing units in Mumbai (India) having modern manufacturing facilities with CNC lathes, Single Spindle Auto Screw machines, Capstern lathes, Thread Rolling and many other machines to provide good quality products at economical prices..

PRODUCT WARRANTY

All the FLUIDLOK products come with a warranty of 12 months from the date of shipment against any defect in material or workmanship. The warranty stands for replacement of determined defective parts only.

QUALITY POLICY

We at FLUIDLOK not only strive to meet all of our customer's requirements but also enhance customer's expectation by providing them excellent products at economical price in time..

This is achieved by

- Continuously improving the products, process and systems.
- Ensuring involvement of all the employees and enhancing their competency
- Complying with all applicable statutory and regulatory Requirements.

GOAL

FLUIDLOK is committed to make every effort towards producing world class product at economical price.

APPLICATION

FLUIDLOK 37° flared Tube Fittings is compact and simple in design for assembly and assures maximum reliability and performance. It is especially suited for low and medium wall tubing with good vibration resistance in a broad selection of types and sizes. It is used in virtually every application that uses fluid power for motion control & automation.

DESIGN

FLUIDLOK 37° flared Tube Fittings consist of three precision components such as Body, Sleeve and Nut. These components have been manufactured to very stringent tolerances under rigid quality control procedure approved to ISO 9001: 2008.

37° flared Tube Fittings meets SAE J514 Standard.

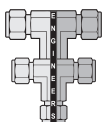
The Tube end is flared at a 37 degree angle and sandwiched between the fitting body nose (seat) and the sleeve with nut which provide a very effective leakproof joint, full flow connection in process tubing.

FLUIDLOK 37° flared Tube Fittings are available as a standard in SS316 material, which meets the following specifications.

A. SS316 BAR STOCK:- ASTM A-479

B. SS316 FORGING:- ASTM A-1 82

Other material are available on request.



**FLUIDFIT
ENGINEERS PVT. LTD.**

Warning for Your Safety

The system designer and user have the sole responsibility to select products suitable for their special application requirements to ensure the proper installation. Operation and maintenance of the product. Application details, material compatibility and product ratings should all be considered in the individual selection. Improper selection or use of products can cause property damage or personal injury. FLUIDLOK accept no liability for any improper selection, installation, operation or maintenance.

PRESSURE RATING

FLUIDLOK 37° flared Tube Fittings provide zero leak, full flow connection in hydraulic system operating at working pressure as specified below.

Allowable working pressure ratings are based on min. design factor 4:1 for dynamic and 3:1 for static application.

Nom. Tube O.D.	37° Flare	Nom. Pipe	SAE St. Threads	Fittings with
Inch	Straight thread	Size	Union and Bulkhead	Pipe Thread
1/8	5/16"x24	1/8"	5000	5000
3/16	3/8"x24	1/8"	5000	5000
1/4	7/16"x20	1/8"	5000	5000
5/16	1/2"x20	1/8"	5000	5000
3/8	9/16"x 18	1/4"	5000	5000
1/2	3/4" x 16	3/8"	4500	4000
5/8	7/8"x 14	1/2"	3500	3000
3/4	1-1/16" x 12	3/4"	3500	3000
7/8	1-3/16"x 12	3/4"	3000	2500
1	1-5/16"x 12	1 "	3000	2000

NOTE:- Since many factors influence the pressure at which a system will or will not perform satisfactorily. Details as shown in the above table are only guideline & not rigid.

AVAILABLE SIZES

Fractional Size: ranges from 1/8" through 1"

Metric Size : ranges from 6mm through 25 mm

QUALITY OF TUBING

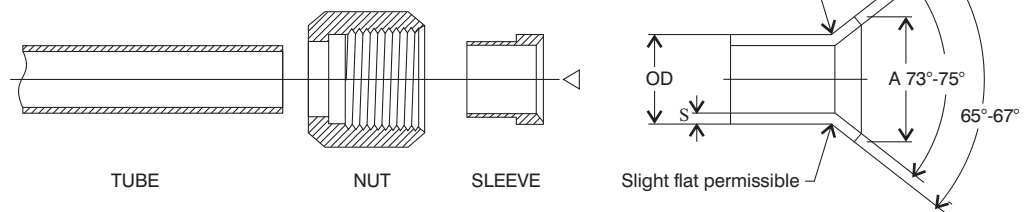
Stainless Steel 316 or 304 seamless tubing should be fully annealed, according to Standard ASTM-269 suitable for bending and flaring. Length of finished tubing shall be reasonable straight and have smooth ends and free from burrs, scales and any kind of defect and scratches.

ASSEMBLY INSTRUCTION

Ensure that the end of the tube is cut square within ± 1 degree and remove the burrs and sharp edges.

Wipe the ID and the OD of the deburred Tube end properly.

Insert the nut and sleeve onto the tube as shown below.



Flare the Tube with a special flaring tool to 37 degree, dimensions of Flared Tube according to SAE J533 standard as shown upper.

The Dimensions of the flared tube according to SAE J533 are shown below

Nominal Tube O.D.	A Single Flare Diameter				R		S	
	Inch Max.	mm Min.	inch Max.	mm Min.	inch ± 0.02	mm ± 0.5	inch ± 0.02	mm ± 0.5
1/8	0.20	0.18	5.08	4.58	0.03	0.8	0.035	0.88
3/16	0.28	0.26	7.11	6.61	0.03	0.8	0.035	0.88
1/4	0.36	0.34	9.14	8.64	0.03	0.8	0.065	1.65
5/16	0.43	0.40	10.92	10.16	0.03	0.8	0.065	1.65
3/8	0.49	0.46	12.44	11.69	0.04	1.0	0.065	1.65
1/2	0.66	0.63	16.76	16.01	0.06	1.5	0.083	2.1
5/8	0.79	0.76	20.06	19.31	0.06	1.5	0.095	2.41
3/4	0.95	0.92	24.13	23.37	0.08	2.0	0.109	2.76
7/8	1.07	1.04	27.17	26.42	0.08	2.0	0.109	2.76
1	1.20	1.17	30.48	29.72	0.09	2.3	0.120	3.04

Dimensions are for reference only, and are subject to change without notice.

Screw the nut on the body until finger tight. Further tighten the nut with a wrench 1/4" turn in order to make a leakproof metal to metal sealing connection.

37° FLARED TUBE FITTINGS

Technical Information

HOW TO ORDER

A letter or combination of letters and numbers are used to designate the part number of fitting.
Eg. FL = FLUIDLOK 37° Flare Fitting. Please see designators below.

FITTING STYLE

Example for Metric and Fractional Size: **FLMC - 4M/4 x 4RT-SS**

FLMC / FLAMC*	4M/4	4	RT	SS
Type of Fittings	Tube OD	Pipe Thread	Type of Thread	Material
Male Connector	4 Metric / 4 Inch	1/4"	BSPT	Ss316

Part Number Information : **FLMC** - Body only

FLAMC* - Assembled Fitting, (Body, Sleeve & Nut)

FITTINGS TYPE

FITTING DESIGNATOR

MC	MALE CONNECTOR	BU	BULKHEAD UNION
ME	MALE ELBOW	UE	UNION ELBOW
MBT	MALE BRANCH TEE	UT	UNION TEE
MRT	MALE RUN TEE	UC	UNION CROSS
FC	FEMALE CONNECTOR	RA	REDUCING ADAPTER
FE	FEMALE ELBOW	PL	PLUG
FBT	FEMALE BRANCH TEE	TC	TUBE CAP
FRT	FEMALE RUN TEE	TN	TUBE END NUT
U	UNION	SE	TUBE END SLEEVE
LU	LARGE HEX UNION	BLN	BULKHEAD LOCK NUT

TUBE OD

TUBE / PIPE O.D. DESIGNATOR

Tube O.D.	4mm	6mm	8mm	10mm	12mm	15mm	16mm	20mm	22mm	25mm
Identifier	4	6	8	10	12	15	16	20	22	25

THREAD SIZE

THREAD SIZE DESIGNATOR (Imperial)

Nominal size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Identifier	2	4	6	8	12	16

THREAD SIZE DESIGNATOR (Metric)

Metric size	M8x1.0	M10x1.0	M12x1.5	M14x1.5	----	M33x2	M42x2	M52x2.0
Identifier	8	10	12	14	----	33	42	52

THREAD SIZE DESIGNATOR SAE(Unified)

Size	7/16-20UNF	9/16-18UNF	3/4-16UNF	7/8-14UNF	1 1/16-12UN	1 5/8-12UN
Identifier	4	6	8	10	16	20

THREAD TYPE

THREAD TYPE DESIGNATOR (Pipe Tread)

ANSI/ASME B1.20.1 NPT	DIN-2999 BSPT	SAE/Unified
N	RT	SE

SEALING TYPE

SEALING TYPE DESIGNATOR (Pipe Tread)

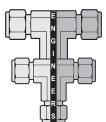
O-Ring	ED-Ring	Viton®	Buna-N
O	ED	V	N

MATERIAL

MATERIAL DESIGNATORCS

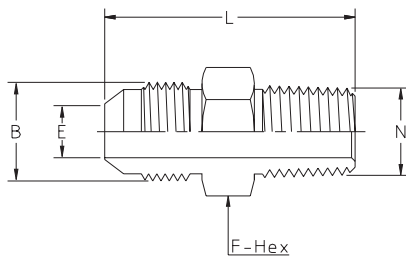
Material	Carbon Steel (DIN 3859)	Stainless Steel ASTM A479 / TYPE 316
Identifier		SS

Note : Stainless steel forgings are as per ASTM A-182 for special material consult factory.



37° FLARED TUBE FITTINGS

FLUIDLOK

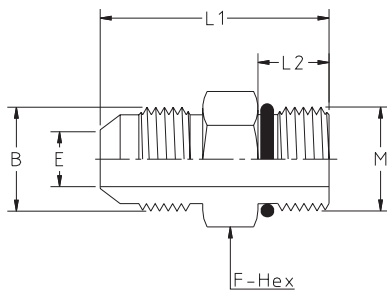


MALE CONNECTOR NPT Thread

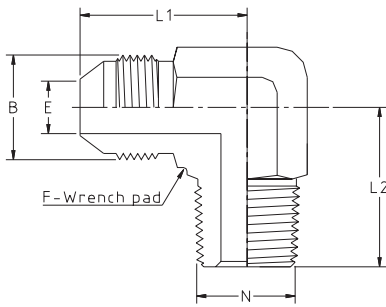
Part No.	T (Tube ØD)		E mm	L mm	F HEX	N NPT	B JIC
	mm	in					
FLMC-02x02N	-	1/8	1.6	28.2	11	1/8	5/16 - 24
FLMC-03x02N	-	3/16	3.2	29.0	11	1/8	3/8 - 24
FLMC-06M/04x02N	6	1/4	4.4	31.0	12.5	1/8	7/16 - 20
FLMC-06M/04x04N	6	1/4	4.4	36.0	14	1/4	7/16 - 20
FLMC-06M/04x08N	6	1/4	4.4	42.7	22	1/2	7/16 - 20
FLMC-08M/05x02N	8	5/16	4.8	31.0	14	1/8	1/2 - 20
FLMC-08M/05x04N	8	5/16	6.0	36.1	14	1/4	1/2 - 20
FLMC-10M/06x02N	10	3/8	4.8	31.8	16	1/8	9/16 - 18
FLMC-10M/06x04N	10	3/8	7.1	36.3	16	1/4	9/16 - 18
FLMC-10M/06x06N	10	3/8	7.5	36.3	19	3/8	9/16 - 18
FLMC-10M/06x08N	10	3/8	7.5	42.5	22	1/2	9/16 - 18
FLMC-12M/08x04N	12	1/2	7.1	38.9	20.5	1/4	3/4 - 16
FLMC-12M/08x06N	12	1/2	9.5	38.9	20.5	3/8	3/4 - 16
FLMC-12M/08x08N	12	1/2	9.9	45.4	22	1/2	3/4 - 16
FLMC-12M/08x12N	12	1/2	9.9	47.0	28	3/4	3/4 - 16
FLMC-16M/10x06N	16	5/8	9.9	43.1	24	3/8	7/8 - 14
FLMC-16M/10x08N	16	5/8	11.9	48.0	24	1/2	7/8 - 14
FLMC-16M/10x12N	16	5/8	12.3	49.5	28	3/4	7/8 - 14
FLMC-18M/12x12N	18	3/4	15.5	52.3	28	3/4	1 1/16 - 12
FLMC-18M/12x16N	18	3/4	15.5	57.1	35	1	1 1/16 - 12
FLMC-20M/14x12N	20	7/8	18.3	53.1	32	3/4	1 3/16 - 12
FLMC-25M/16x12N	25	1	18.3	53.5	35	3/4	1 5/16 - 12
FLMC-25M/16x16N	25	1	21.5	58.4	35	1	1 5/16 - 12

MALE CONNECTOR O-ring with SAE-Straight Thread

Part No.	T - Tube ØD		E mm	L2 mm	L1 mm	F HEX	M SAE	B JIC
	mm	in						
FLMC-02x05UO	-	1/8	1.6	7.5	26.9	11	5/16x24	5/16 - 24
FLMC-03x06UO	-	3/16	3.2	7.5	27.9	12.5	3/8	3/8 - 24
FLMC-06M/04x7UO	6	1/4	4.4	9.1	31.2	14	7/16	7/16 - 20
FLMC-06M/04x8UO	6	1/4	4.4	9.1	31.2	16	1/2	7/16 - 20
FLMC-06M/04x9UO	6	1/4	4.4	9.9	33.0	17	9/16	7/16 - 20
FLMC-06M/04x12UO	6	1/4	4.4	11.1	34.8	22	3/4	7/16 - 20
FLMC-08M/05x8UO	8	5/16	6.0	9.1	31.2	16	1/2	1/2 - 20
FLMC-10M/06x9UO	10	3/8	7.1	9.9	33.0	17	9/16	9/16 - 18
FLMC-10M/06x12UO	10	3/8	7.5	11.1	35.1	22	3/4	9/16 - 18
FLMC-10M/06x14UO	10	3/8	7.5	12.7	38.1	25	7/8	9/16 - 18
FLMC-12M/08x12UO	12	1/2	9.9	11.1	37.6	22	3/4	3/4 - 16
FLMC-12M/08x09UO	12	1/2	7.1	9.9	36.6	20.5	9/16	3/4 - 16
FLMC-12M/08x14UO	12	1/2	9.9	12.7	40.6	25	7/8	3/4 - 16
FLMC-12M/08x17UO	12	1/2	9.9	15.1	44.7	32	1 1/16	3/4 - 16
FLMC-16M/10x14UO	16	5/8	12.3	12.7	43.2	25	7/8	7/8 - 14
FLMC-16M/10x12UO	16	5/8	12.3	11.1	40.6	24	3/4	7/8 - 14
FLMC-16M/10x17UO	16	5/8	12.3	15.1	47.2	32	1 1/16	7/8 - 14
FLMC-18M/12x17UO	18	3/4	15.5	15.1	50.0	32	1 1/16	1 1/16 - 12
FLMC-18M/12x12UO	18	3/4	10.7	11.1	45.2	28	3/4	1 1/16 - 12
FLMC-18M/12x14UO	18	3/4	12.7	12.7	46.4	28	7/8	1 1/16 - 12
FLMC-18M/12x21UO	18	3/4	15.5	15.1	50.8	38	1 5/16	1 1/16 - 12
FLMC-20M/14x19UO	20	7/8	18.3	15.1	50.5	35	1 3/16	1 3/16 - 12
FLMC-20M/14x21UO	20	7/8	18.3	15.1	51.3	38	1 5/16	1 3/16 - 12
FLMC-25M/16x17UO	25	1	16.7	15.1	51.1	35	1 1/16	1 5/16 - 12
FLMC-25M/16x19UO	25	1	18.3	15.1	51.8	35	1 3/16	1 5/16 - 12
FLMC-25M/16x21UO	25	1	21.5	15.1	51.8	38	1 5/16	1 5/16 - 12



37° FLARED TUBE FITTINGS

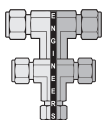
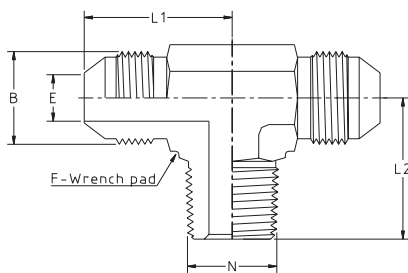


FLUIDLOK

MALE ELBOW NPT Thread

Part No.	T - Tube ØD		E mm	L1 mm	L2 mm	F HEX	N NPT	B UNF
	mm	in						
FLME-02x02N	-	1/8	1.6	19.6	18.3	11	1/8	5/16 - 24
FLME-03x02N	-	3/16	3.2	21.1	18.3	12.5	1/8	3/8 - 24
FLME-06M/04x02N	6	1/4	4.4	22.6	19.8	12.5	1/8	7/16 - 20
FLME-06M/04x04N	6	1/4	4.4	26.9	27.7	16	1/4	7/16 - 20
FLME-08M/05x02N	8	5/16	4.8	24.1	19.8	16	1/8	1/2 - 20
FLME-08M/05x04N	8	5/16	6.0	26.9	27.7	16	1/4	1/2 - 20
FLME-10M/06x02N	10	3/8	4.8	26.9	22.8	16	1/8	9/16 - 18
FLME-10M/06x04N	10	3/8	7.1	26.9	27.7	16	1/4	9/16 - 18
FLME-10M/06x06N	10	3/8	7.5	29.0	31.0	20.5	3/8	9/16 - 18
FLME-10M/06x08N	10	3/8	7.5	31.2	37.3	24	1/2	9/16 - 18
FLME-12M/08x04N	12	1/2	7.1	31.8	31.0	24	1/4	3/4 - 16
FLME-12M/08x06N	12	1/2	9.5	31.8	31.0	24	3/8	3/4 - 16
FLME-12M/08x08N	12	1/2	9.9	33.7	37.3	24	1/2	3/4 - 16
FLME-12M/08x12N	12	1/2	9.9	36.0	40.4	28	3/4	3/4 - 16
FLME-16M/10x06N	16	5/8	9.5	36.8	33.0	24	3/8	7/8 - 14
FLME-16M/10x08N	16	5/8	11.9	36.8	37.3	24	1/2	7/8 - 14
FLME-16M/10x12N	16	5/8	12.3	38.9	40.4	28	3/4	7/8 - 14
FLME-18M/12x08N	18	3/4	11.9	41.0	40.4	28	1/2	1 1/16 - 12
FLME-18M/12x12N	18	3/4	15.5	41.0	40.4	28	3/4	1 1/16 - 12
FLME-20M/14x12N	20	7/8	18.3	43.9	42.9	35	3/4	1 3/16 - 12
FLME-25M/16x12N	25	1	18.3	46.0	45.2	35	3/4	1 5/16 - 12
FLME-25M/16x16N	25	1	21.5	46.0	50.0	35	1	1 5/16 - 12

MALE BRANCH TEE NPT Thread



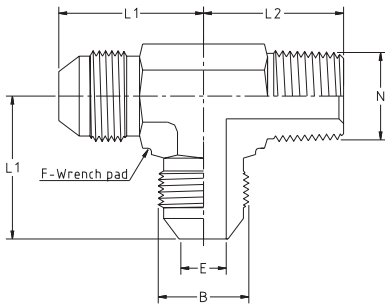
Part No.	T - Tube ØD		E mm	L1 mm	L2 mm	F HEX	N NPT	B UNF
	mm	in						
FLMBT-02x02N	-	1/8	1.6	19.6	18.3	11	1/8	5/16 - 24
FLMBT-03x02N	-	3/16	3.2	21.1	18.3	12.5	1/8	3/8 - 24
FLMBT-06M/04x2N	6	1/4	4.4	22.6	19.8	12.5	1/8	7/16 - 20
FLMBT-06M/04x4N	6	1/4	4.4	26.9	27.7	16	1/4	7/16 - 20
FLMBT-08M/05x2N	8	5/16	4.8	24.1	19.8	16	1/8	112 - 20
FLMBT-08M/05x4N	8	5/16	6.0	26.9	27.7	16	1/4	1/2 - 20
FLMBT-10M/06x2N	10	3/8	4.8	26.9	22.8	16	1/8	9/16 - 18
FLMBT-10M/06x4N	10	3/8	7.1	26.9	27.7	16	1/4	9/16 - 18
FLMBT-10M/06x6N	10	3/8	7.5	29.0	31.0	20.5	3/8	9/16 - 18
FLMBT-10M/06x8N	10	3/8	7.5	31.2	37.3	24	1/2	9/16 - 18
FLMBT-12M/08x4N	12	1/2	7.1	31.8	31.0	24	1/4	3/4 - 16
FLMBT-12M/08x6N	12	1/2	9.5	31.8	31.0	24	3/8	3/4 - 16
FLMBT-12M/08x8N	12	1/2	9.9	33.7	37.3	24	1/2	3/4 - 16
FLMBT-12M/08x12N	12	1/2	9.9	36.0	40.4	28	3/4	3/4 - 16
FLMBT-16M/10x6N	16	5/8	9.5	36.8	33.0	24	3/8	7/8 - 14
FLMBT-16M/10x8N	16	5/8	11.9	36.8	37.3	24	1/2	7/8 - 14
FLMBT-16M/10x12N	16	5/8	12.3	38.9	40.4	28	3/4	7/8 - 14
FLMBT-18M/12x8N	18	3/4	11.9	41.0	40.4	28	1/2	1 1/16 - 12
FLMBT-18M/12x12N	18	3/4	15.5	41.0	40.4	28	3/4	1 1/16 - 12
FLMBT-20M/14x12N	20	7/8	18.3	43.9	42.9	35	3/4	1 3/16 - 12
FLMBT-25M/16x12N	25	1	18.3	46.0	45.2	35	3/4	1 5/16 - 12
FLMBT-25M/16x16N	25	1	21.5	46.0	50.0	35	1	1 5/16 - 12

37° FLARED TUBE FITTINGS

FLUIDLOK

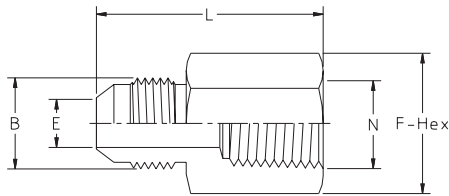
MALE RUN TEE NPT Thread

Part No.	T - Tube ØD		E mm	L1 mm	L2 mm	F HEX	N NPT	B JIC
	mm	in						
FLMRT-02x02N	-	1/8	1.6	19.6	18.3	11	1/8	5/16 - 24
FLMRT-03x02N	-	3/16	3.2	21.1	18.3	12.5	1/8	3/8 - 24
FLMRT-06M/04x02N	6	1/4	4.4	22.6	19.8	12.5	1/8	7/16 - 20
FLMRT-06M/04x04N	6	1/4	4.4	26.9	27.7	16	1/4	7/16 - 20
FLMRT-08M/05x02N	8	5/16	4.8	24.1	19.8	16	1/8	1/2 - 20
FLMRT-08M/05x04N	8	5/16	6.0	26.9	27.7	16	1/4	1/2 - 20
FLMRT-10M/06x02N	10	3/8	4.8	26.9	22.8	16	1/8	9/16 - 18
FLMRT-10M/06x04N	10	3/8	7.1	26.9	27.7	16	1/4	9/16 - 18
FLMRT-10M/06x06N	10	3/8	7.5	29.0	31.0	20.5	3/8	9/16 - 18
FLMRT-10M/06x08N	10	3/8	7.5	31.2	37.3	24	1/2	9/16 - 18
FLMRT-12M/08x04N	12	1/2	7.1	31.8	31.0	24	1/4	3/4 - 16
FLMRT-12M/08x06N	12	1/2	9.5	31.8	31.0	24	3/8	3/4 - 16
FLMRT-12M/08x08N	12	1/2	9.9	33.7	37.3	24	1/2	3/4 - 16
FLMRT-12M/08x12N	12	1/2	9.9	36.0	40.4	28	3/4	3/4 - 16
FLMRT-16M/10x06N	16	5/8	9.5	36.8	33.0	24	3/8	7/8 - 14
FLMRT-16M/10x08N	16	5/8	11.9	36.8	37.3	24	1/2	7/8 - 14
FLMRT-16M/10x12N	16	5/8	12.3	38.9	40.4	28	3/4	7/8 - 14
FLMRT-18M/12x08N	18	3/4	11.9	41.0	40.4	28	1/2	1 1/16-12
FLMRT-18M/12x12N	18	3/4	15.5	41.0	40.4	28	3/4	1 1/16-12
FLMRT-20M/14x12N	20	7/8	18.3	43.9	42.9	35	3/4	1 3/16-12
FLMRT-25M/16x12N	25	1	18.3	46.0	45.2	35	3/4	1 5/16-12
FLMRT-25M/16x16N	25	1	21.5	46.0	50.0	35	1	1 5/16-12

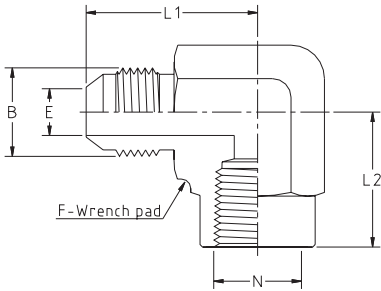


FEMALE CONNECTOR NPT Thread

Part No.	T - Tube ØD		E mm	L mm	F HEX	N NPT	B UNF
	mm	in					
FLFC-02x02N	-	1/8	1.6	28.4	14	1/8	5/16-24
FLFC-03x02N	-	3/16	3.2	28.7	14	1/8	3/8-24
FLFC-06M/04x02N	6	1/4	4.4	30.2	14	1/8	7/16-20
FLFC-06M/04x04N	6	1/4	4.4	35.3	19	1/4	7/16-20
FLFC-08M/05x02N	8	5/16	6.0	29.7	14	1/8	1/2-20
FLFC-08M/05x04N	8	5/16	6.0	35.3	19	1/4	1/2-20
FLFC-10M/06x04N	10	3/8	7.5	35.6	19	1/4	9/16-18
FLFC-10M/06x06N	10	3/8	7.5	37.1	22	3/8	9/16-18
FLFC-12M/08x06N	12	1/2	9.9	39.6	22	3/8	3/4-16
FLFC-12M/08x08N	12	1/2	9.9	45.6	28	1/2	3/4-16
FLFC-16M/10x08N	16	5/8	12.3	48.0	28	1/2	7/8-14
FLFC-18M/12x08N	18	3/4	15.5	52.1	28	1/2	1 1/16-12
FLFC-18M/12x12N	18	3/4	15.5	52.3	35	3/4	1 1/16-12
FLFC-20M/14x12N	20	7/8	18.3	52.3	35	3/4	1 3/16-12
FLFC-25M/16x16N	25	1	21.5	59.7	41	1	1 5/16-12



37° FLARED TUBE FITTINGS

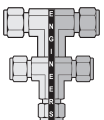
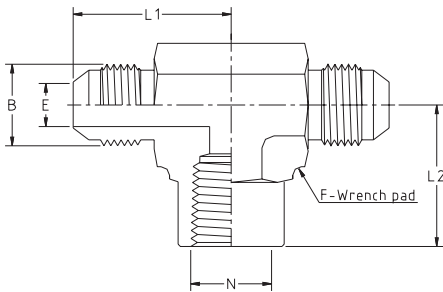


FEMALE ELBOW NPT Thread

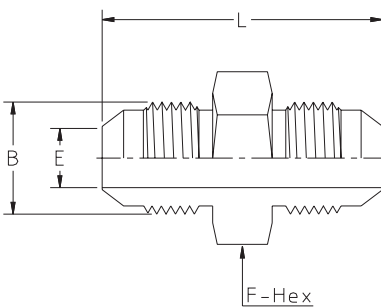
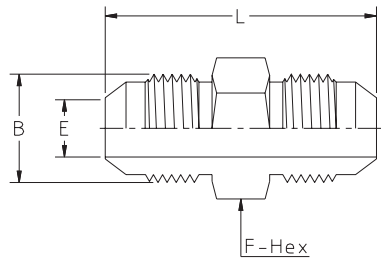
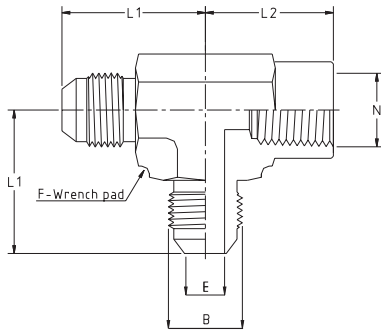
Part No.	T - Tube ØD		E mm	L1 mm	L2 mm	F HEX	N NPT	B UNF
	mm	in						
FLFE-02x02N	--	1/8	1.6	25.4	16.8	16	1/8	5/16 - 24
FLFE-03x02N	--	3/16	3.2	26.2	16.8	16	1/8	3/8 - 24
FLFE-06M/04x02N	6	1/4	4.4	27.4	16.8	16	1/8	7/16 - 20
FLFE-06M/04x04N	6	1/4	4.4	30.9	22.4	20.5	1/4	7/16 - 20
FLFE-08M/05x02N	8	5/16	6.0	27.4	16.8	16	1/8	1/2 - 20
FLFE-08M/05x04N	8	5/16	6.0	30.9	22.4	20.5	1/4	1/2 - 20
FLFE-10M/06x02N	10	3/8	7.5	26.9	16.8	16	1/8	9/16 - 18
FLFE-10M/06x04N	10	3/8	7.5	31.2	22.4	20.5	1/4	9/16 - 18
FLFE-10M/06x06N	10	3/8	7.5	33.2	25.9	24	3/8	9/16 - 18
FLFE-12M/08x04N	12	1/2	9.9	31.6	22.4	20.5	1/4	3/4 - 16
FLFE-12M/08x06N	12	1/2	9.9	36.1	25.4	24	3/8	3/4 - 16
FLFE-12M/08x08N	12	1/2	9.9	36.1	31.2	28	1/2	3/4 - 16
FLFE-16M/10x08N	16	5/8	12.3	41.5	31.2	28	1/2	7/8 - 14
FLFE-18M/12x08N	18	3/4	15.5	42.1	31.2	35	1/2	1 1/16 - 12
FLFE-18M/12x12N	18	3/4	15.5	48.0	34.5	35	3/4	1 1/16 - 12
FLFE-20M/14x12N	20	7/8	18.3	47.2	36.1	35	3/4	1 3/16 - 12
FLFE-25M/16x16N	25	1	21.5	55.1	41.1	41	1	1 5/16 - 12

FEMALE BRANCH TEE NPT Thread

Part No.	T - Tube ØD1		E mm	L1 mm	L2 mm	F HEX	N NPT	B UNF
	mm	in						
FLFBT-02x02N	-	1/8	1.6	25.4	16.8	16	1/8	5/16 - 24
FLFBT-03x02N	-	3/16	3.2	26.2	16.8	16	1/8	3/8 - 24
FLFBT-06M/04x02N	6	1/4	4.4	27.4	16.8	16	1/8	7/16 - 20
FLFBT-06M/04x04N	6	1/4	4.4	30.9	22.4	20.5	1/4	7/16 - 20
FLFBT-08M/05x02N	8	5/16	6.0	27.4	16.8	16	1/8	1/2 - 20
FLFBT-08M/05x04N	8	5/16	6.0	30.9	22.4	20.5	1/4	1/2 - 20
FLFBT-10M/06x02N	10	3/8	7.5	26.9	16.8	16	1/8	9/16 - 18
FLFBT-10M/06x04N	10	3/8	7.5	31.2	22.4	20.5	1/4	9/16 - 18
FLFBT-10M/06x06N	10	3/8	7.5	33.2	25.9	24	3/8	9/16 - 18
FLFBT-12M/08x04N	12	1/2	9.9	31.6	22.4	20.5	1/4	3/4 - 16
FLFBT-12M/08x06N	12	1/2	9.9	36.1	25.9	24	3/8	3/4 - 16
FLFBT-12M/08x08N	12	1/2	9.9	36.1	31.2	28	1/2	3/4 - 16
FLFBT-16M/10x08N	16	5/8	12.3	41.5	31.2	28	1/2	7/8 - 14
FLFBT-18M/12x08N	18	3/4	15.5	42.1	31.2	35	1/2	1 1/16 - 12
FLFBT-18M/12x12N	18	3/4	15.5	48.0	34.5	35	3/4	1 1/16 - 12
FLFBT-20M/14x12N	20	7/8	18.3	47.2	36.1	35	3/4	1 3/16 - 12
FLFBT-25M/16x16N	25	1	21.5	55.1	41.1	41	1	1 5/16 - 12



37° FLARED TUBE FITTINGS



FLUIDLOK

FEMALE RUN TEE NPT Thread

Part No.	T - Tube ØD1		E mm	L1 mm	L2 mm	F HEX	N NPT	B UNF
	mm	in						
FLFRT-02x02N	-	1/8	1.6	25.4	16.8	16	1/8	5/16 - 24
FLFRT-03x02N	-	3/16	3.2	26.2	16.8	16	1/8	3/8 - 24
FLFRT-06M/04x02N	6	1/4	4.4	27.4	16.8	16	1/8	7/16 - 20
FLFRT-06M/04x04N	6	1/4	4.4	30.9	22.4	20.5	1/4	7/16 - 20
FLFRT-08M/05x02N	8	5/16	6.0	27.4	16.8	16	1/8	1/2 - 20
FLFRT-08M/05x04N	8	5/16	6.0	30.9	22.4	20.5	1/4	1/2 - 20
FLFRT-10M/06x02N	10	3/8	7.5	26.9	16.8	16	1/8	9/16 - 18
FLFRT-10M/06x04N	10	3/8	7.5	31.2	22.4	20.5	1/4	9/16 - 18
FLFRT-10M/06x06N	10	3/8	7.5	33.2	25.9	24	3/8	9/16 - 18
FLFRT-12M/08x04N	12	1/2	9.9	31.6	22.4	20.5	1/4	3/4 - 16
FLFRT-12M/08x06N	12	1/2	9.9	36.1	25.9	24	3/8	3/4 - 16
FLFRT-12M/08x08N	12	1/2	9.9	36.1	31.2	28	1/2	3/4 - 16
FLFRT-16M/10x08N	16	5/8	12.3	41.5	31.2	28	1/2	7/8 - 14
FLFRT-18M/12x08N	18	3/4	15.5	42.1	31.2	35	1/2	1 1/16 - 12
FLFRT-18M/12x12N	18	3/4	15.5	48.0	34.5	35	3/4	1 1/16 - 12
FLFRT-20M/14x12N	20	7/8	18.3	47.2	36.4	35	3/4	1 3/16 - 12
FLFRT-25M/16x16N	25	1	21.5	55.1	41.1	41	1	1 5/16 - 12
FLFRT-32M/20x20N	32	1 1/4	27.5	59.2	43.2	54	1 1/4	1 5/8 - 12
FLFRT-38M/24x24N	38	1 1/2	33.0	73.4	52.8	60	1 1/2	1 7/8 - 12
FLFRT-32X32N	-	2	45.0	83.8	60.7	73	2	2 1/2 - 12

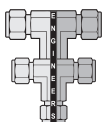
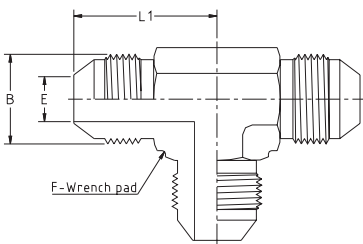
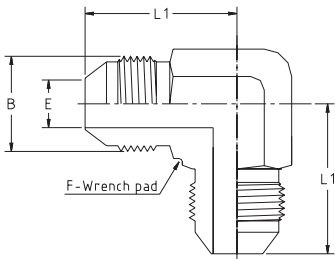
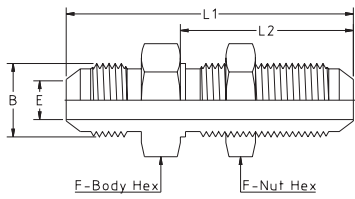
UNION

Part No.	T - Tube ØD		E mm	L mm	F HEX	B UNF
	mm	in				
FLU-02	-	1/8	1.6	29.7	11	5/16-24
FLU-03	-	3/16	3.2	31.2	11	3/8-24
FLU-06M/04	6	1/4	4.4	34.8	12.5	7/16-20
FLU-08M/05	8	5/16	6.0	34.8	14	1/2 - 20
FLU-10M/06	10	3/8	7.5	35.8	16	9/16-18
FLU-12M/08	12	1/2	9.9	41.1	20.5	3/4-16
FLU-16M/10	16	5/8	12.3	47.8	24	7/8-14
FLU-18M/12	18	3/4	15.5	54.9	28	1 3/16-12
FLU-20M/14	20	7/8	18.3	56.1	32	1 3/16-12
FLU-25M/16	25	1	21.5	57.2	35	1 5/16-12

LARGE HEX UNION

Part No.	T - Tube ØD		E mm	L mm	F HEX	B UNF
	mm	in				
FLHLU-02	-	1/8	1.6	29.7	14	5/16 - 24
FLHLU-03	-	3/16	3.2	31.2	16	3/8 - 24
FLHLU-06M/04	6	1/4	4.4	34.8	17	7/16 - 20
FLHLU-08M/05	8	5/16	6.0	34.8	19	1/2 - 20
FLHLU-10M/06	10	3/8	7.5	35.8	20.5	9/16 - 18
FLHLU-12M/08	12	1/2	9.9	41.1	25	3/4 - 16
FLHLU-16M/10	16	5/8	12.3	47.8	28	7/8 - 14
FLHLU-18M/12	18	3/4	15.5	54.9	35	1 3/16 - 12
FLHLU-20M/14	20	7/8	18.3	56.1	38	1 3/16 - 12
FLHLU-25M/16	25	1	21.5	57.2	41	1 5/16 - 12

37° FLARED TUBE FITTINGS



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BULKHEAD UNION

Part No.	T - Tube ØD		E mm	L1 mm	L mm	F HEX	B UNF
	in	mm					
FLBU-03	-	3/16	3.2	28.2	48.3	16	3/8 - 24
FLBU-06M/04	6	1/4	4.4	30.5	52.6	17	7/16 - 20
FLBU-08M/05	8	5/16	6.0	30.5	52.6	19	1/2 - 20
FLBU-10M/06	10	3/8	7.5	32.5	55.4	20.5	9/16 - 18
FLBU-12M/08	12	1/2	9.9	36.6	62.0	25	3/4 - 16
FLBU-16M/10	16	5/8	12.3	40.1	69.6	28	7/8 - 14
FLBU-18M/12	18	3/4	15.5	44.4	78.5	35	1 1/16 - 12
FLBU-20M/14	20	7/8	18.3	44.4	79.2	38	1 3/16 - 12
FLBU-25M/16	25	1	21.5	44.4	79.8	41	1 5/16 - 12

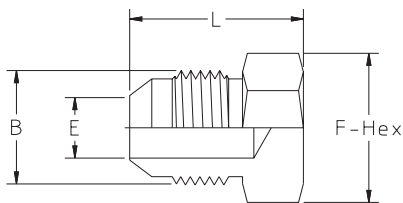
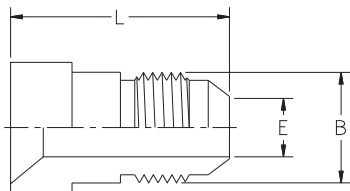
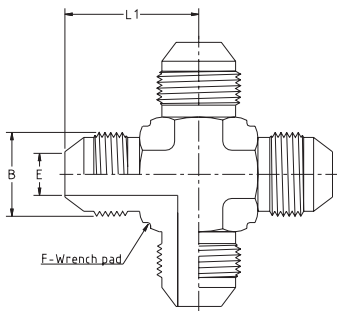
UNION ELBOW

Part No.	T - Tube ØD		E mm	L mm	F HEX	B UNF
	mm	in				
FLUE-02	-	1/8	1.6	19.6	11	5/16 - 24
FLUE-03	-	3/16	3.2	21.1	12.5	3/8 - 24
FLUE-06M/04	6	1/4	4.4	22.6	12.5	7/16 - 20
FLUE-08M/05	8	5/16	6.0	24.1	16	1/2 - 20
FLUE-10M/06	10	3/8	7.5	26.9	16	9/16 - 18
FLUE-12M/08	12	1/2	9.9	31.8	22	3/4 - 16
FLUE-16M/10	16	5/8	12.3	36.8	24	7/8 - 14
FLUE-18M/12	18	3/4	15.5	42.2	35	1 1/16 - 12
FLUE-20M/14	20	7/8	18.3	45.7	35	1 3/16 - 12
FLUE-25M/16	25	1	21.5	46.0	35	1 5/16 - 12

UNION TEE

Part No.	T - Tube ØD		E mm	L mm	F HEX	B UNF
	mm	in				
FLUT-02	-	1/8	1.6	19.6	11	5/16 - 24
FLUT-03	-	3/16	3.2	21.1	12.5	3/8 - 24
FLUT-06M/04	6	1/4	4.4	22.6	12.5	7/16 - 20
FLUT-08M/05	8	5/16	6.0	24.1	16	1/2 - 20
FLUT-10M/06	10	3/8	7.5	26.8	16	9/16 - 18
FLUT-12M/08	12	1/2	9.9	31.8	22	3/4 - 16
FLUT-16MT/10	16	5/8	12.3	36.8	24	7/8 - 14
FLUT-18M/12	18	3/4	15.5	42.2	35	1 1/16 - 12
FLUT-20M/14	20	7/8	18.3	45.7	35	1 3/16 - 12
FLUT-25M/16	25	1	21.5	46.0	35	1 5/16 - 12

37° FLARED TUBE FITTINGS



UNION CROSS

Part No.	T - Tube ØD1		E mm	L mm	F HEX	B UNF
	mm	in				
FLUC-02	-	1/8	1.6	19.6	11	5/16 - 24
FLUC-03	-	3/16	3.2	21.1	12.5	3/8 - 24
FLUC-06M/04/	6	1/4	4.4	22.6	12.5	7/16 - 20
FLUC-08M/05	8	5/16	6.0	24.1	16	1/2 - 20
FLUC-10M/06	10	3/8	7.5	26.9	16	9/16 - 18
FLUC-12M/08	12	1/2	9.9	31.8	22	3/4 - 16
FLUC-16M/10	16	5/8	12.3	36.8	24	7/8 - 14
FLUC-18M/12	18	3/4	15.5	42.2	28	1 1/16 - 12
FLUC-20M/14	20	7/8	18.3	45.7	35	1 3/16 - 12
FLUC-25M/16	25	1	21.5	46.0	35	1 5/16 - 12

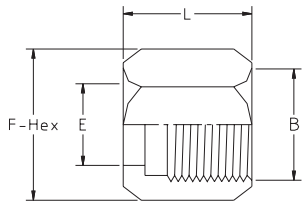
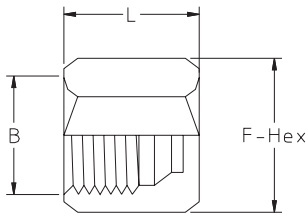
REDUCING ADAPTER

Part No.	T - Tube ØD		L		B UNF
	in	mm	in	mm	
FLRA-06x04/06M	3/8 to 1/4	3/8 to 06	0.97	24.6	7/16 - 20
FLRA-08x04/06M	1/2 to 1/4	1/2 to 06	1.00	25.4	7/16 - 20
FLRA-08x06/10M	1/2 to 3/8	1/2 to 10	1.00	25.4	9/16 - 18
FLRA-10x04/06M	5/8 to 1/4	5/8 to 06	1.03	26.2	7/16 - 20
FLRA-10x06/10M	5/8 to 3/8	5/8 to 10	1.03	26.2	9/16 - 18
FLRA-10x08/12M	5/8 to 1/2	5/8 to 12	1.44	36.5	3/4 - 16
FLRA-12x04/06M	3/4 to 1/4	3/4 to 06	1.09	27.7	7/16 - 20
FLRA-12x06/10M	3/4 to 3/8	3/4 to 10	1.09	27.7	9/16 - 18
FLRA-12x08/12M	3/4 to 1/2	3/4 to 12	1.19	30.2	3/4 - 16
FLRA-12x10/16M	3/4 to 5/8	3/4 to 16	1.66	42.1	7/8 - 14
FLRA-14x06/10M	7/8 to 3/8	7/8 to 10	1.13	28.7	9/16 - 18
FLRA-14x10/16M	7/8 to 5/8	7/8 to 16	1.33	33.7	7/8 - 14
FLRA-14x12/18M	7/8 to 3/4	7/8 to 18	1.84	46.7	1 1/16 - 12
FLRA-16x12/18M	1 to 3/4	1 to 18	1.47	37.3	1 1/16 - 12
FLRA-16x14/20M	1 to 7/8	1 to 20	1.91	48.5	1 3/16 - 12

TUBE CAP

Part No.	T - Tube ØD		ØD mm	L mm	F HEX	B UNF
	mm	in				
FLTC-02	-	1/8	1.6	17.8	11	5/16 - 24
FLTC-03	-	3/16	3.2	18.5	11	3/8 - 24
FLTC-06M/04	6	1/4	4.4	20.3	12.5	7/16 - 20
FLTC-08M/05	8	5/16	6.0	20.3	14	1/2 - 20
FLTC-10M/06	10	3/8	7.5	21.3	16	9/16 - 18
FLTC-12M/08	12	1/2	9.9	23.9	20.5	3/4 - 16
FLTC-16M/10	16	5/8	12.3	27.9	24	7/8 - 14
FLTC-18M/12	18	3/4	15.5	32.5	28	1 1/16 - 12
FLTC-18M/14	18	7/8	18.3	33.3	32	1 3/16 - 12
FLTC-25M/16	25	1	21.5	33.8	35	1 5/16 - 12

37° FLARED TUBE FITTINGS

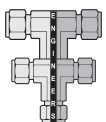


PLUG

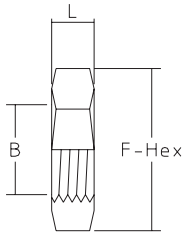
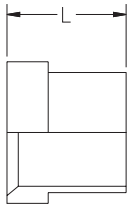
Part No.	T - Tube ØD		L mm	F HEX	B UNF
	mm	in			
FLP-02	-	1/8	12.7	10	5/16 - 24
FLP-03	-	3/16	14.3	11	3/8 - 24
FLP-06M/04	6	1/4	15.1	14	7/16 - 20
FLP-08M/05	8	5/16	15.5	16	11/2 - 20
FLP-10M/06	10	3/8	15.9	17	9/16 - 18
FLP-12M/08	12	1/2	19.0	22	3/4 - 16
FLP-16M/10	16	5/8	21.4	25	7/8 - 14
FLP-18M/12	18	3/4	23.0	32	1 1/16 - 12
FLP-18M/14	18	7/8	24.6	35	1 3/16 - 12
FLP-25M/16	25	1	25.8	38	1 5/16 - 12

TUBE END NUT for 3 Piece Tube Assembly

Part No.	T - Tube ØD		F HEX	L		B UNF
	mm	in		in	mm	
FLN-02	-	1/8	10	0.54	13.7	5/16 - 24
FLN-03	-	3/16	11	0.60	15.2	3/8 - 24
FLN-06M/04	06	1/4	14	0.61	15.5	7/16 - 20
FLN-08M/05	08	5/16	16	0.67	17.0	1/2 - 20
FLN-10M/06	10	3/8	17	0.72	18.3	9/16 - 18
FLN-12M/08	12	1/2	22	0.84	21.3	3/4 - 16
FLN-16M/10	16	5/8	25	0.97	24.6	7/8 - 14
FLN-18M/12	18	3/4	32	1.02	25.9	1 1/16 - 12
FLN-20M/14	20	7/8	35	1.08	27.4	1 3/16 - 12
FLN-25M/16	25	1	38	1.12	28.4	1 5/16 - 12



37° FLARED TUBE FITTINGS



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TUBE END SLEEVE for 3 Piece Tube Assembly

Part No.	T - Tube ØD		L	
	in	mm	in	mm
FLSL-02	1/8	-	0.34	8.6
FLSL-03	3/16	-	0.34	8.6
FLSL-04/06M	1/4	6	0.41	10.4
FLSL-05/08M	5/16	8	0.44	11.2
FLSL-06/10M	3/8	10	0.50	12.7
FLSL-08/12M	1/2	12	0.56	14.2
FLSL-10/16M	5/8	16	0.66	16.8
FLSL-12/18M	3/4	18	0.68	17.3
FLSL-14/20M	7/8	20	0.76	19.3
FLSL-16/25M	1	25	0.78	19.8

BULKHEAD LOCKNUT

Part No.	T - Tube ØD		L mm	F HEX	B UNF
	mm	in			
FLBLN-03	-	3/16	5.6	16	3/8 - 24
FLBLN-06M/04	6	1/4	6.4	17	7/16 - 20
FLBLN-08M/05	8	5/16	6.4	19	1/2 - 20
FLBLN-10M/06	10	3/8	6.9	20.5	9/16 - 18
FLBLN-12M/08	12	1/2	7.9	25	3/4 - 16
FLBLN-16M/10	16	5/8	9.1	28	7/8 - 14
FLBLN-18M/12	18	3/4	10.4	35	1 1/16 - 12
FLBLN-22M/14	22	7/8	10.4	38	1 3/16 - 12
FLBLN-25M/16	25	1	10.4	41	1 5/16 - 12

WEIGHT CONVERSION

Pounds to Kilograms (1 Pounds = 0.4536 Kilogram)

Pounds	0	1	2	3	4	5	6	7	8	9
0	0.00	0.45	0.91	1.35	1.81	2.27	2.72	3.18	3.63	4.08
10	4.54	4.99	5.44	5.90	6.35	6.80	7.26	7.71	8.16	8.62
20	9.07	9.53	9.98	10.43	10.89	11.34	11.79	12.25	12.70	13.15
30	13.61	14.06	14.52	14.97	15.42	15.88	16.33	16.78	17.24	17.69
40	18.14	18.60	19.05	19.50	19.96	20.41	20.87	21.32	21.77	22.23
50	22.68	23.13	23.59	24.04	24.49	24.95	25.40	25.86	26.31	26.76
60	27.22	27.67	28.12	28.58	29.03	29.48	29.94	30.39	30.84	31.30
70	31.75	32.21	32.66	33.11	33.57	34.02	34.47	34.93	35.38	35.83
80	36.29	36.74	37.20	37.65	38.10	38.56	39.01	39.46	39.92	40.37
90	40.82	41.28	41.73	42.18	42.64	43.09	43.55	44.00	44.45	44.91

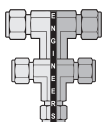
Kilograms to Pounds (1 Kilogram = 2.2046 Pounds)

Kilograms	0	1	2	3	4	5	6	7	8	9
0	0.00	2.20	4.41	6.61	8.82	11.02	13.23	15.43	17.64	19.84
10	22.05	24.25	26.46	28.66	30.86	33.07	35.27	37.48	39.68	41.89
20	44.09	46.30	48.50	50.71	52.91	55.12	57.32	59.52	61.73	63.93
30	66.14	68.34	70.55	72.75	74.96	77.16	79.37	81.57	83.77	85.98
40	88.18	90.38	92.59	94.80	97.00	99.21	101.41	103.62	105.82	108.03
50	110.23	112.43	114.64	116.84	119.05	121.25	123.46	125.66	127.87	130.07
60	132.28	134.48	136.69	138.89	141.09	143.30	145.50	147.71	149.91	152.12
70	154.32	156.53	158.73	160.94	163.14	165.35	167.55	169.75	171.96	174.16
80	176.37	178.57	180.78	182.98	185.19	187.39	189.60	191.80	194.00	196.21
90	198.41	200.62	202.82	205.03	207.23	209.44	211.64	213.85	216.05	218.26

PRESSURE CONVERSION

Bar to Pounds per square inch (1 Bar = 105 Pa = 14.5 Pounds per square inch)

1 to 20		21 to 40		41 to 60		61 to 80		81 to 100	
Bar	Lbs. Per Sq. Inch	Bar	Lbs. Per Sq. Inch	Bar	Lbs. Per Sq. Inch	Bar	Lbs. Per Sq. Inch	Bar	Lbs. Per Sq. Inch
1	14.5	21	304.5	41	594.5	61	884.5	81	1174.5
2	29.0	22	319.0	42	609.0	62	899.0	82	1189.0
3	43.5	23	333.5	43	623.5	63	913.5	83	1203.5
4	58.0	24	348.0	44	638.0	64	928.0	84	1218.0
5	72.5	25	362.5	45	652.5	65	942.5	85	1232.5
6	87.0	26	377.0	46	667.0	66	957.0	86	1247.0
7	101.5	27	391.5	47	681.5	67	971.5	87	1261.5
8	116.0	28	406.0	48	696.0	68	986.0	88	1276.0
9	130.5	29	420.5	49	710.5	69	1000.5	89	1290.5
10	145.0	30	435.0	50	725.0	70	1015.0	90	1305.0
11	159.5	31	449.5	51	739.5	71	1029.5	91	1319.5
12	174.0	32	464.0	52	754.0	72	1044.0	92	1334.0
13	188.5	33	478.5	53	768.5	73	1058.5	93	1348.5
14	203.0	34	493.0	54	783.0	74	1073.0	94	1363.0
15	217.5	35	507.5	55	797.5	75	1087.5	95	1377.5
16	232.0	36	522.0	56	812.0	76	1102.0	96	1392.0
17	246.5	37	536.5	57	826.5	77	1116.5	97	1406.5
18	261.0	38	551.0	58	841.0	78	1131.0	98	1421.0
19	275.5	39	565.5	59	855.5	79	1145.5	99	1435.5
20	290.0	40	580.0	60	870.0	80	1160.0	100	1450.0



TEMPERATURE CONVERSION

Celcius (C) to Fahrenheit (F) - Fahrenheit (F) to Celcius (C)

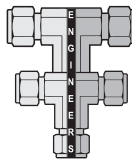
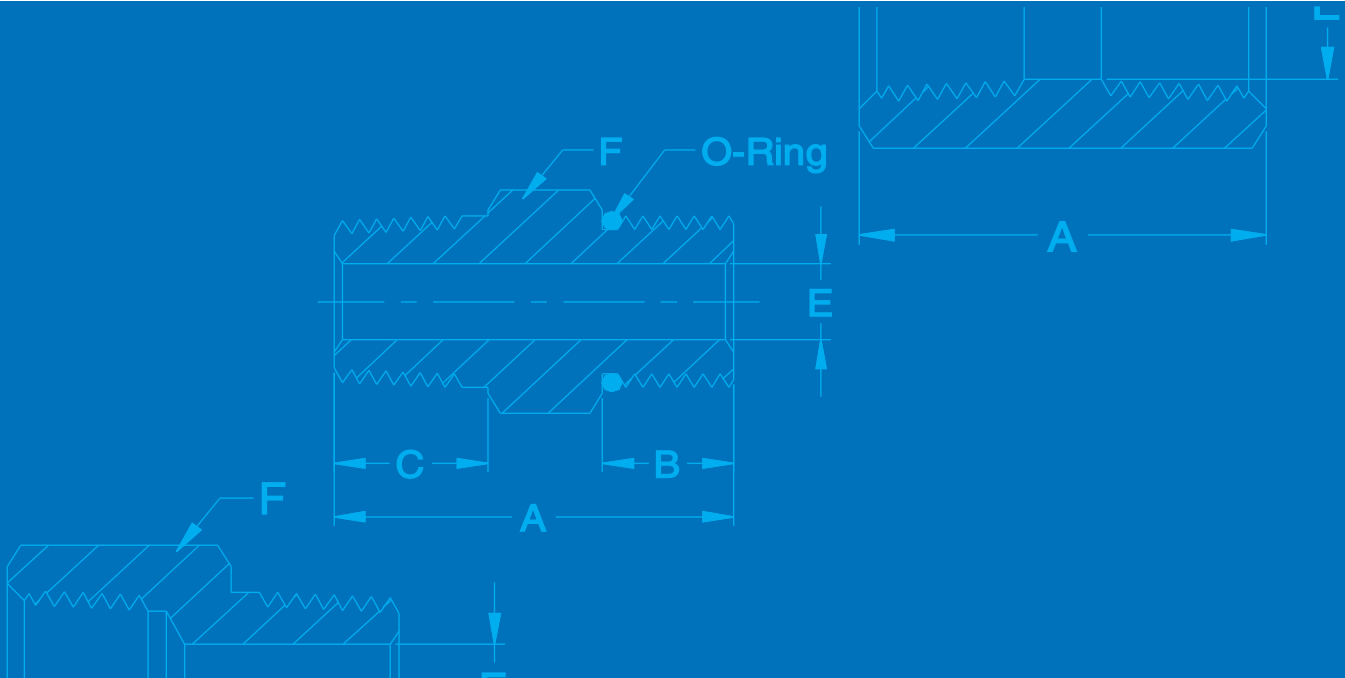
-459.4° to 0°			1° to 60°			61° to 290°			300° to 890°			900° to 3000°		
C	CEL. OR FAH.	F	C	CEL. OR FAH.	F	C	CEL. OR FAH.	F	C	CEL. OR FAH.	F	C	CEL. OR FAH.	F
-273	-459.4	-17.2	1	33.8	16.1	61	141.8	149	300	572	482	900	1652	
-268	-450		-16.7	2	35.6	16.7	62	143.6	154	310	590	488	910	1670
-262	-440		-16.1	3	37.4	17.2	63	145.4	160	320	608	493	920	1688
-257	-430		-15.6	4	39.2	17.8	64	147.2	166	330	626	499	930	1706
-251	-420		-15.0	5	41.0	18.3	65	149.0	171	340	644	504	940	1724
-246	-410		-14.4	6	42.8	18.9	66	150.8	177	350	662	510	950	1742
-240	-400		-13.9	7	44.6	19.4	67	152.6	182	360	680	516	960	1760
-234	-390		-13.3	8	46.4	20.0	68	154.4	188	370	698	521	970	1778
-229	-380		-12.8	9	48.2	20.6	69	156.2	193	380	716	527	980	1796
-223	-370		-12.2	10	50.0	21.1	70	158.0	199	390	734	532	990	1814
-218	-360		-11.7	11	51.8	21.7	71	159.8	204	400	752	538	1000	1832
-212	-350		-11.1	12	53.6	22.2	72	161.6	210	410	770	549	1020	1868
-207	-340		-10.6	13	55.4	22.8	73	163.4	215	420	788	560	1040	1904
-201	-330		-10.0	14	57.2	23.3	74	165.2	221	430	806	571	1060	1940
-196	-320		-9.4	15	59.0	23.9	75	167.0	227	440	824	582	1080	1976
-190	-310		-8.9	16	60.8	24.4	76	168.8	232	450	842	593	1100	2012
-184	-300		-8.3	17	62.6	25.0	77	170.6	238	460	860	604	1120	2048
-179	-290		-7.8	18	64.4	25.6	78	172.4	243	470	878	616	1140	2084
-173	-280		-7.2	19	66.2	26.1	79	174.2	249	480	896	627	1160	2120
-169	-273	-459.4	-6.7	20	68.0	26.7	80	176.0	254	490	914	638	1180	2156
-168	-270	-454	-6.1	21	69.8	27.2	81	177.8	260	500	932	649	1200	2192
-162	-260	-436	-5.6	22	71.6	27.8	82	179.6	266	510	950	660	1220	2228
-157	-250	-418	-5.0	23	73.4	28.3	83	181.4	271	520	968	671	1240	2264
-151	-240	-400	-4.4	24	75.2	28.9	84	183.2	277	530	986	682	1260	2300
-146	-230	-382	-3.9	25	77.0	29.4	85	185.0	282	540	1004	693	1280	2336
-140	-220	-364	-3.3	26	78.8	30.0	86	186.8	288	550	1022	704	1300	2372
-134	-210	-346	-2.8	27	80.6	30.6	87	188.6	293	560	1040	732	1350	2462
-129	-200	-328	-2.2	28	82.4	31.1	88	190.4	299	570	1058	760	1400	2552
-123	-190	-310	-1.7	29	84.2	31.7	89	192.2	304	580	1076	788	1450	2642
-118	-180	-292	-1.1	30	86.0	32.2	90	194.0	310	590	1094	816	1500	2732
-112	-170	-274	-0.6	31	87.8	32.8	91	195.8	316	600	1112	843	1550	2822
-107	-160	-256	0.0	32	89.6	33.3	92	197.6	321	610	1130	871	1600	2912
-101	-150	-238	0.6	33	91.4	33.9	93	199.4	327	620	1148	899	1650	3002
-96	-140	-220	1.1	34	93.2	34.4	94	201.2	332	630	1166	927	1700	3092
-90	-130	-202	1.7	35	95.0	35.0	95	203.0	338	640	1184	954	1750	3182
-84	-120	-184	2.2	36	96.8	35.6	96	204.8	343	650	1202	982	1800	3272
-79	-110	-166	2.8	37	98.6	36.1	97	206.6	349	660	1220	1010	1850	3362
-73	-100	-148	3.3	38	100.4	36.7	98	208.4	354	670	1238	1038	1900	3452
-68	-90	-130	3.9	39	102.2	37.2	99	210.2	360	680	1256	1066	1950	3542
-62	-80	-112	4.4	40	104.0	37.8	100	212.0	366	690	1274	1093	2000	3632
-57	-70	-94	5.0	41	105.8	43	110	230	371	700	1292	1121	2050	3722
-51	-60	-76	5.6	42	107.6	49	120	248	377	710	1310	1149	2100	3812
-46	-50	-58	6.1	43	109.4	54	130	266	382	720	1328	1177	2150	3902
-40	-40	-40	6.7	44	111.2	60	140	284	388	730	1346	1204	2200	3992
-34	-30	-22	7.2	45	113.0	66	150	302	393	740	1364	1232	2250	4082
-29	-20	-4	7.8	46	114.8	71	160	320	399	750	1382	1260	2300	4172
-23	-10	14	8.3	47	116.6	77	170	338	404	760	1400	1288	2350	4262
-17.8	0	32	8.9	48	118.4	82	180	356	410	770	1418	1316	2400	4352
			9.4	49	120.2	88	190	374	416	780	1436	1343	2450	4442
			10.0	50	122.0	93	200	392	421	790	1454	1371	2500	4532
			10.6	51	123.8	99	210	410	427	800	1472	1399	2550	4622
			11.1	52	125.6	100	212	413.6	432	810	1490	1427	2600	4712
			11.7	53	127.4	104	220	428	438	820	1508	1454	2650	4802
			12.2	54	129.2	110	230	446	443	830	1526	1482	2700	4892
			12.8	55	131.0	116	240	464	449	840	1544	1510	2750	4982
			13.3	56	132.8	121	250	482	454	850	1562	1538	2800	5072
			13.9	57	134.6	127	260	500	460	860	1580	1566	2850	5162
			14.4	58	136.4	132	270	518	466	870	1598	1593	2900	5252
			15.0	59	138.2	138	280	536	471	880	1616	1621	2950	5342
			15.6	60	140.0	143	290	554	477	890	1634	1649	3000	5432

Locate temperature in middle column. If in degree Celcius, read Fahrenheit equivalent in right hand column: If in degrees Fahrenheit, read Celcius equivalent in left hand column.

Conversion Formulas $C = \frac{5}{9} (F-32)$, $F = \frac{9}{5} (C+32)$

FLUIDLOK

37° FLARED TUBE FITTINGS



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