

LET-LOK®

COMPRESSION TUBE FITTINGS



1/16" THROUGH 1 1/2"-INCH 2 MM THROUGH 25 MM-METRIC



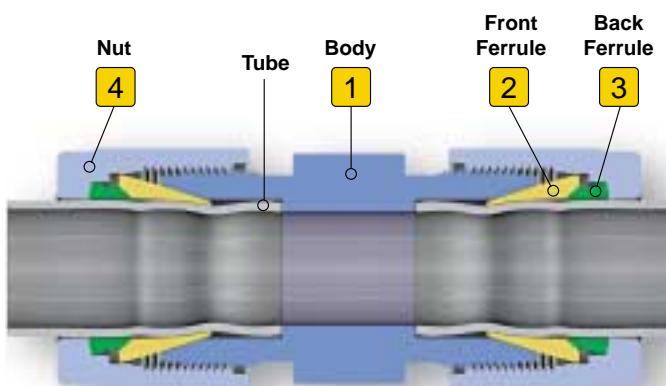
LET-LOK® TUBE FITTINGS DESCRIPTION

The HAM-LET® GROUP has produced high quality tube and pipe fittings in various materials for high pressure applications since its establishment in 1950.

As a result of tremendous efforts in research and development during the last five decades, HAM-LET® has gained an excellent reputation as a leading manufacturer of high pressure instrumentation products.

The LET-LOK® range of connectors has been developed to fill the rapidly increasing demand for tube fittings suitable for high pressure use in environments such as petrochemical, fluid, power, nuclear, electronic, as well as other major industrial settings. LET-LOK® tube fittings have been carefully manufactured to withstand the persistent demands for high-performance tube fittings.

Each one has passed a stringent tolerance test for high pressure, impulse, vibration, vacuum and temperature. These precision-machined fittings are manufactured to exacting standards, employing the most modern state-of-the-art computerized automation. All LET-LOK® fittings are backed by HAM-LET®'s commitment to the highest quality-control standards and skilled craftsmanship.



LET-LOK® tube fittings are composed of four parts:

1. body
2. front ferrule
3. back ferrule
4. nut.

LET-LOK® HOW DOES IT WORK ?

The LET-LOK® tube fitting is a mechanism used both to seal and to grip tubing. The mechanical advantage and geometry of this kind of fitting produces a leak-tight assembly.

To assemble, simply insert the tube into the complete assembly until the tube bottoms-out against the shoulder of the fitting body(1). The two ferrules are driven forward between the nut (4) and fitting body using the mechanical force created by rotating the nut clockwise. The back ferrule (3) is driven against the tapered rear of the front ferrule (2) and the front ferrule is driven by force into the tapered mouth of the body.

The rear ferrule is swaged radially inwards on the tube while lifting the front ferrule out to form a full-faced seal on the tapered surface of the body.

The 1 1/4 turn of the nut from the hand tight position assures consistent drive of the sealing members. This ensures an effective seal against high pressure as well as ultra high vacuum conditions.



LET-LOK® INSTALLATION INSTRUCTIONS

LET-LOK® fittings are supplied assembled and finger tight. Disassembly before use can allow the entry of dirt or other particles.

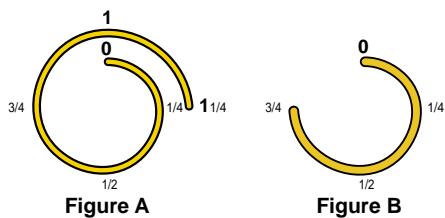
**Insert the tubing into the LET-LOK® fitting.**

Check that the tube rests firmly on the fitting shoulder and that the nut is finger tight. At this point it is recommended that a scribe mark be drawn on the hex of the nut extending onto the fitting body. This mark will serve as an indicator for the starting point and proper pull-up.

Tighten the nut.

1-1/4 turns of the nut are required for 1/4" (6 mm) and higher (see Fig. A).

3/4 turn of the nut is required for 3/16" (4 mm) and lower (see Fig. B).

**REASSEMBLY INSTRUCTIONS**

LET-LOK® connections may be disconnected and remade repeatedly, without loss of leaktight seal.

1. Before disconnecting, mark the position of the nut in relation to the fitting body.
2. To reassemble, use a wrench to tighten nut to original position.
3. Tighten slightly with wrench until a slight rise in torque is felt.

TUBE CUTTING

Two different methods can be used to cut tubes:

1. Tube cutter
2. Hacksaw

TUBE CUTTER

To attain a leak free connection, the tubing must be cut squarely. A good quality tube cutter with the appropriate blade for the tubing material is recommended.

Do not try to reduce the time of cutting by taking deep cuts with each turn of the cutter. This will work harden the tube.

The end of the tube must be deburred to avoid damage to the fitting and to ensure that the tube reaches the bottom of the fitting.

HACKSAW CUTTING

In order to cut the tube with a hacksaw and get square ends, the tube must be cut with guide blocks.

This method of cutting necessitates deburring of the tube ends.

Warning

Do not hold the tube in a vise in the place where it will be inserted into the fitting (the vise will leave a mark on the tube that may cause leaks, and might cause ovality).

TUBE HANDLING

Scratches on the tube might cause leaks. It is, Therefore, important to handle the tube carefully to reduce the risk of leaks.

SOME PRECAUTIONS TO BE TAKEN

1. Tubes must not be dragged on the floor.
2. Tubes must not be dragged out of a tubing rack, especially in case of large OD tubes.

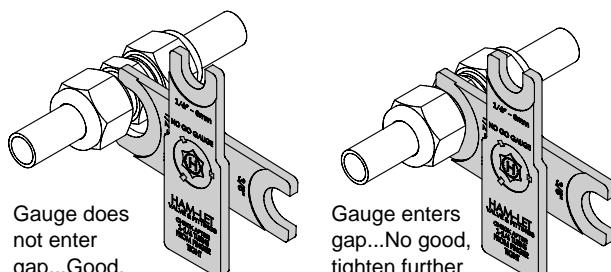
COPPER TUBING

If using copper tubing from a roll, hold the end of the tube and roll the roll outwards allowing the tubing to lie on a flat surface.

INSPECTION GAUGE

Use: This is a "No-Go" gauge and should be used as follows:

1. Make up the fitting according to the following instructions: 1/4 inch (6mm), 3/8 inch, 1/2 inch (12mm) - make up 1-1/4 turns from finger tight.
2. Check gap between nut and body, using the appropriate sized gauge. If the gauge slides easily into the gap, tighten the nut further until gauge can not enter the gap.

**To order, use part**

No. 3900098

Available only in:

1/4 inch (6mm), 3/8 inch,
1/2 inch (12mm)



LET-LOK TUBE FITTINGS

PHYSICAL DIFFERENCES AND MARKING

LET-LOK® METRIC FITTINGS:

Tee & Elbow (see Fig. 1)

Body marked: MM

Straight Connectors: (see Fig. 2)

Body: Stepped shoulder

Marked: LET-LOK 316 AV1⁽²⁾

Nut: (see Figs. 1 & 2) Stepped shoulder
marked: LET-LOK 316 6M⁽¹⁾ SD8⁽²⁾

Fig. 1 Back side

LET-LOK 316 6M SD8

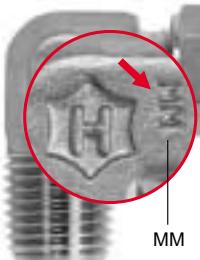
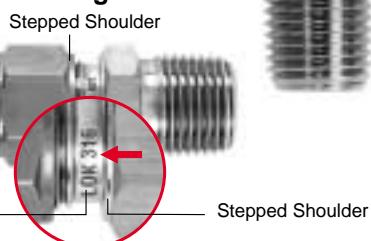


Fig. 1 Front side



Fig. 2



LET-LOK 316 AV1

Stepped Shoulder

LET-LOK® INCH FITTINGS:

Tee & Elbow: (See Fig. 3)

Straight Fittings: (see Fig. 4)

Body: Shoulder marked:

LET-LOK 316 AV2⁽²⁾

Nut: (See Fig. 3 & 4): Shoulder marked

LET-LOK 316 1/2⁽¹⁾ BU2⁽²⁾

Fig. 3 Back side

LET-LOK 316 1/2 BU2



Fig. 3 Front side



Fig. 4



LET-LOK 316 AV2

⁽¹⁾ Tube O.D. ⁽²⁾ Material Batch

HIGH SAFETY

In applications where severe conditions and high pressure exist, we recommend the following installation procedures:

1. Check that the nut is finger tight.
2. Insert the tube (up to the shoulder).
3. Rotate the nut with a wrench until the tube does not rotate freely.
4. Mark position of the nut.
5. Rotate the nut 1-1/4 turns.

This method ensures that even if the tube O.D. is at the minimum tolerance, the ferrules will be in contact with the tube for the full 1-1/4 rotation.

TUBING DATA FOR LET-LOK® FITTINGS

In order to assure maximum fitting reliability and performance, great care should be given when selecting the tubing for each application.

TUBE SELECTION

Four variables must be considered when ordering tube for use with LET-LOK® fittings:

1. Material
2. Tube wall thickness
3. Tube surface finish
4. Tube hardness

Tubing should comply with standard ASTM A213 or ASTM A269, be seamless, and fully annealed.

The tube must be free of scratches and suitable for bending and flaring.

TUBE OD TOLERANCES

1/16" - 1/8"	} $\pm 0.003"$
2mm - 3 mm	

3/16" - 1 1/4"	} $\pm 0.005"$
4mm - 25 mm	

1 1/4"	} $\pm 0.01"$
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Ovality of twice OD tolerance is not suitable for LET-LOK fittings. The tube must be reasonably round.

The ends of the tube must be free of burrs.

Tubing hardness: The hardness of the tube must be lower than the hardness of the fitting material.

The hardness must be not more than Rockwell HRB 80.

LET-LOK® TUBE FITTINGS

LET-LOK® TUBING DATA

TABLE 1: STAINLESS STEEL TUBING WALL THICKNESS OF TUBE IN INCHES

Tubing O.D.	mm	In	0.010	0.012	0.014	0.016	0.020	0.028	0.035	0.049	0.065	0.083	0.095	0.109	0.120	0.134	0.156	0.188
	1/16	5600	6860	8150	9480	12080												
	2	1/8					8550	10950										
	3	3/16					5500	7100	10300									
	6	1/4					4100	5200	7600	10300								
	8	5/16						4100	5900	8100								
	10	3/8					3350	4850	6550									
	12	1/2	Working pressure (psig) for seamless tubing: Multiply pressure rating by .80 for single welded tubing. Multiply pressure rating by .85 for double welded tubing.				2650	3750	5150	6750								
	16	5/8					2950	4050	5250	6050								
	20	3/4					2450	3350	4250	4950	5850							
	22	7/8					2050	2850	3650	4250	4850							
	25	1"						2400	3100	3600	4200	4700						
		1 1/4"						2400	2800	3300	3600	4100	4900					
		1 1/2"						2300	2700	3000	3400	4000	4900					

Annealed 304 or 316 stainless steel tubing complying with ASTM A213, A269 or equivalent specifications. Based on ultimate tensile strength of 75,000 psi (5167 bar). For metal temp. from -20°F - 100°F (-29°C - 37°C). Suggested ordering information: Fully annealed high quality (Type 304 or 316) stainless steel hydraulic tubing ASTM A269 or A213 or equivalent, seamless or welded and drawn with a hardness of Rb80 or less. Tubing should be without scratches and suitable for flaring and bending.

TABLE 2: COPPER TUBING WALL THICKNESS OF TUBE IN INCHES

Tubing O.D.	mm	In	0.028	0.035	0.049	0.065	0.083	0.095	0.109	0.120
	2	1/8	2700	3600						
	3	3/16	1800	2300	3400					
	6	1/4	1300	1600	2500	3500				
	8	5/16		1300	1900	2700				
	10	3/8		1000	1600	2200				
	12	1/2		800	1100	1600	2100			
	16	5/8			900	1200	1600	1900		
	20	3/4			700	1000	1300	1500	1800	
	22	7/8			600	800	1100	1300	1500	
	25	1"			500	700	900	1100	1300	1500

Annealed copper seamless tubing complying with ASTM B68 and ASTM B75 specified in temper designation 060. Based on ultimate tensile strength of 30,000 psi (2067 bar). For metal temperatures from -20°F to 100° F (-29°C to 37°C). Suggested ordering information: High quality soft annealed seamless copper tubing ASTM B75 or equivalent.

TABLE 3: FACTORS USED TO DETERMINE ALLOWABLE PRESSURE AT HIGHER TEMPERATURES

°F	°C	A.I.S.I. 316	Copper
200	93	1	0.80
400	204	0.96	0.50
600	316	0.85	-
800	427	0.79	-
1000	538	0.76	-
1200	649	0.37	-

To determine allowable pressure at higher temperatures, multiply allowable working pressure from Tables 1 & 2 by factor shown in Table 3. For example: The allowable pressure for Type 316 stainless steel, size 1/2" OD x .049" wall at 800°F(427°C) would be equivalent to 3750 psi x 0.79 = 2962.5 psi.

TABLE 4: GAS APPLICATION TUBING

Tubing O.D.	Inch		Metric	
	Min. Nominal Wall Thickness	Tubing O.D.	Min. Nominal Wall Thickness	Metric
1/8"	0.028"	3 mm	0.8 mm	
3/16"	0.028"	6 mm	0.8 mm	
1/4"	0.028"	8 mm	1.0 mm	
5/16"	0.035"	10 mm	1.0 mm	
3/8"	0.035"	12 mm	1.0 mm	
1/2"	0.049"	14 mm	1.2 mm	
5/8"	0.065"	16 mm	1.5 mm	
3/4"	0.065"	18 mm	1.5 mm	
7/8"	0.083"	20 mm	1.8 mm	
1"	0.083"	22 mm	2.0 mm	
		25 mm	2.2 mm	

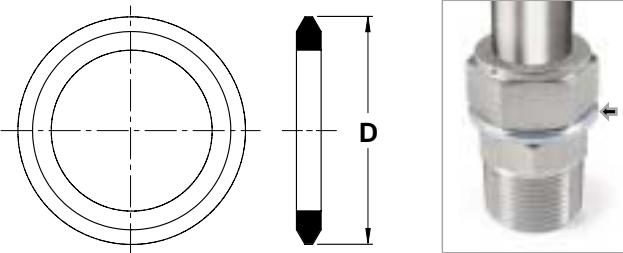
Gases are characterized by small molecules; which can escape through the smallest leak path. For gas applications, we recommend for gas applications to select tubing with greater wall thickness. Table 4 shows the recommended wall thicknesses for greater safety and efficiency.

Warning! For Your Safety The system designer and user have the sole responsibility to select products suitable for their special application requirements and to ensure the proper installation, operation and maintenance of the product. Please consider application details, material compatibility and product ratings when making your selection. Improper selection or use of products can cause property damage or personal injury.

STOP COLLAR

LET-LOK	In	D	mm
1/4	0.69	17.5	
3/8	0.84	20.6	
1/2	1.10	27.0	
3/4	1.31	33.3	
1	1.68	42.7	

1. Remove the nut and ferrules from the fitting.
2. Insert the stop collar.
3. Assemble the nut and ferrules until finger tight.
4. Make up the fitting until the stop collar no longer rotates (feel with finger). At this stage it is guaranteed that the fitting is made up correctly.



Assembly Instructions - Stop Collar

ORDERING INFORMATION FOR ASSEMBLED STOP COLLAR (WITH FITTING)

768L

SS = Stainless Steel
B = Brass

1/4

X

1/4

SC

S = Stainless Steel
C = Carbon Zinc Plated

Fitting type
(male LET-LOK
connector)

Fitting material

Tube O.D.
The O.D. size is always
the first to be described.

1/4 NPT

Stop Collar

Stop Collar material

HOW TO ORDER STOP COLLAR ONLY

1/4

SC

S = Stainless Steel
C = Carbon Plated

Tube O.D.

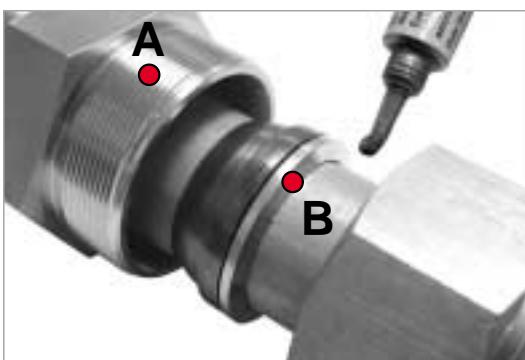
Stop Collar material

The O.D. size is always
the first to be described.

INSTALLATION INSTRUCTIONS FOR LET-LOK® FITTINGS 1 1/4" - 1 1/2"

1. Close the nut and ferrules on the tube with a hydraulic tool.
2. Open and release from the tool.
3. Apply the G-Rapid paste on areas A and B.
4. Tighten the nut on body 1/2 a turn with a wrench

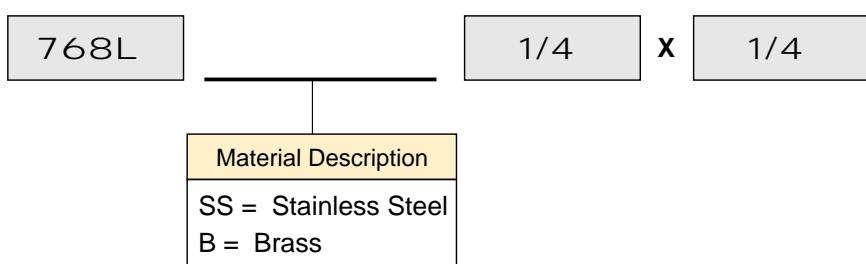
To order, use part No. 3900753



LET-LOK® TUBE FITTINGS

LET-LOK® MATERIAL DESCRIPTION

EXAMPLE



All orders should include material description and ordering information (See product table).

LET-LOK® INDEX

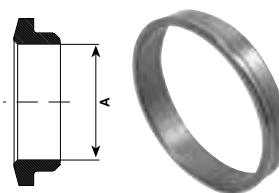
BACK FERRULE 760 LB	08	REDUCING UNION TEE 764 LR	14	PORT CONNECTOR 767 LP	25
FRONT FERRULE 760 LF	08	UNION ELBOW 765 L	16	MALE CONNECTOR 768 L	26
TUBE INSERT 760 LI	09	FEMALE CONNECTOR 766 L	17	MALE CONNECTOR 768 LR	28
NUT 761 L	09	FEMALE CONNECTOR 766 LR	19	MALE CONNECTOR 768 LG	30
UNION 762 L	10	FEMALE CONNECTOR 766 LG	20	MALE CONNECTOR 768 LOK	32
REDUCING UNION 763 L	11	REDUCER 767 LT	21	MALE CONNECTOR 768 LOB	33
UNION TEE 764 L	13	REDUCING PORT CONNECTOR 767 LM	24	MALE CONNECTOR 768 LOP	34

LET-LOK TUBE FITTINGS

LET-LOK® INDEX					
MALE CONNECTOR 768 LO	34	MALE BRANCH TEE 772 L	44	MALE ADAPTER TUBE TO PIPE 739 LM	54
					
MALE PIPE WELD CONNECTOR 768 LN	35	FEMALE BRANCH TEE 772 LF	45	LET LOK TO AN ADAPTER 761 LFL	56
					
TUBE SOCKET WELD UNION 768 LW	36	BULKHEAD UNION 774 L	46	LET-LOK TO AN UNION 762 LFL	56
					
MALE ELBOW 769 L	37	BULKHEAD FEMALE CONNECTOR 774 LF	47	LET-LOK TO AN BULKHEAD UNION 774 LFL	56
					
MALE ELBOW 769 LR	39	BULKHEAD REDUCER 774 LT	47	MALE NUT 961 L	57
					
MALE PIPE WELD ELBOW 769 LN	40	BULKHEAD MALE CONNECTOR 774 LM	48	UNION 962 L	57
					
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FEMALE RUN TEE 771 LF	43	FEMALE ADAPTER TUBE TO PIPE 739 LF	52	ALLOY 400 CONNECTORS	63
					

LET-LOK TUBE FITTINGS

760 LB BACK FERRULE

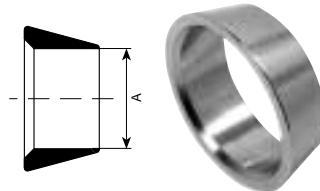


METRIC		INCH	
Ordering Information	A	A	
	Tube O.D. mm	Tube O.D. in	mm
760LB_2	2	760LB_1/16	1/16 1.58
760LB_3	3	760LB_1/8	1/8 3.17
760LB_4	4	760LB_3/16	3/16 4.76
760LB_6	6	760LB_1/4	1/4 6.35
760LB_8	8	760LB_5/16	5/16 7.93
760LB_10	10	760LB_3/8	3/8 9.52
760LB_12	12	760LB_1/2	1/2 12.70
760LB_14	14	760LB_5/8	5/8 15.87
760LB_15	15	760LB_3/4	3/4 19.05
760LB_16	16	760LB_7/8	7/8 22.22
760LB_18	18	760LB_1	1 25.40
760LB_20	20	760LB_1 1/4	1 1/4 31.75
760LB_22	22	760LB_1 1/2	1 1/2 38.10
760LB_25	25		

FERRULE SETS
All Let-Lok Ferrules are available as sets.
Ferrule sets simplify stocking and assembly.
Ferrule sets prevent damage of single ferrules during shipping.
The back and front ferrules are arranged as pairs in the set; ready for easy assembly.

To Order:
Please add FS to the product description.

760 LF FRONT FERRULE

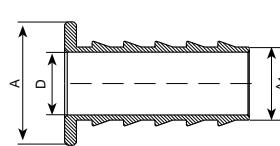


METRIC		INCH	
Ordering Information	A	A	
	Tube O.D. mm	Tube O.D. in	mm
760LF_2	2	760LF_1/16	1/16 1.58
760LF_3	3	760LF_1/8	1/8 3.17
760LF_4	4	760LF_3/16	3/16 4.76
760LF_6	6	760LF_1/4	1/4 6.35
760LF_8	8	760LF_5/16	5/16 7.93
760LF_10	10	760LF_3/8	3/8 9.52
760LF_12	12	760LF_1/2	1/2 12.70
760LF_14	14	760LF_5/8	5/8 15.87
760LF_15	15	760LF_3/4	3/4 19.05
760LF_16	16	760LF_7/8	7/8 22.22
760LF_18	18	760LF_1	1 25.40
760LF_20	20	760LF_1 1/4	1 1/4 31.75
760LF_22	22	760LF_1 1/2	1 1/2 38.10
760LF_25	25		

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

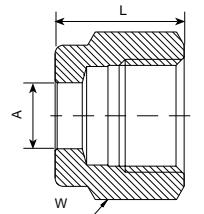
LET-LOK TUBE FITTINGS

760 LI TUBE INSERT



METRIC				INCH						
Ordering Information	A	A1	D	Ordering Information	A		A1		D	
	Tube O.D.	Tube I.D.	mm		in	mm	in	mm	in	mm
760LI_6 X 4	6	4	2.8	760LI_3/16 X 1/8	3/16	4.76	1/8	3.17	.09	2.30
760LI_8 X 6	8	6	4.4	760LI_1/4 X 1/8	1/4	6.35	1/8	3.17	.09	2.30
760LI_10 X 8	10	8	6.4	760LI_1/4 X 0.17"	1/4	6.35	.17	4.32	.11	2.70
760LI_12 X 8	12	8	6.4	760LI_1/4 X 3/16	1/4	6.35	3/16	4.76	.12	3.10
760LI_12 X 10	12	10	8.3	760LI_5/16 X 1/8	5/16	7.93	1/8	3.17	.09	2.30
				760LI_5/16 X 3/16	5/16	7.93	3/16	4.76	.12	3.00
				760LI_5/16 X 1/4	5/16	7.93	1/4	6.35	.18	4.65
				760LI_3/8 X 3/16	3/8	9.52	3/16	4.76	.12	3.10
				760LI_3/8 X 1/4	3/8	9.52	1/4	6.35	.18	4.65
				760LI_1/2 X 1/4	1/2	12.70	1/4	6.35	.18	4.65
				760LI_1/2 X 3/8	1/2	12.70	3/8	9.52	.31	7.80
				760LI_5/8 X 3/8	5/8	15.87	3/8	9.52	.31	7.80
				760LI_5/8 X 1/2	5/8	15.87	1/2	12.70	.44	11.10
				760LI_3/4 X 1/2	3/4	19.05	1/2	12.70	.44	11.10
				760LI_3/4 X 5/8	3/4	19.05	5/8	15.87	.56	14.20
				760LI_1" X 3/4	1	25.40	3/4	19.05	.69	17.50

761 L NUT

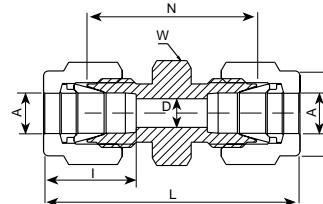


METRIC				INCH						
Ordering Information	A	W	L	Ordering Information	A		W		L	
	Tube O.D.	Hex. Flat	mm		in	mm	in	mm	in	mm
761L_2	2	12	11.9	761L_1/16	1/16	1.58	5/16	7.9	.31	7.87
761L_3	3	12	11.9	761L_1/8	1/8	3.17	7/16	11.1	.47	11.93
761L_4	4	12	11.9	761L_3/16	3/16	4.76	1/2	12.7	.47	11.93
761L_6	6	14	12.7	761L_1/4	1/4	6.35	9/16	14.3	.50	12.70
761L_8	8	16	13.5	761L_5/16	5/16	7.93	5/8	15.9	.53	13.46
761L_10	10	19	15.1	761L_3/8	3/8	9.52	11/16	17.5	.56	14.22
761L_12	12	22	17.4	761L_1/2	1/2	12.70	7/8	22.2	.69	17.52
761L_14	14	25	17.4	761L_5/8	5/8	15.87	1	25.4	.69	17.52
761L_15	15	25	17.4	761L_3/4	3/4	19.05	1 1/8	28.6	.69	17.52
761L_16	16	25	17.4	761L_7/8	7/8	22.22	1 1/4	31.8	.69	17.52
761L_18	18	30	17.4	761L_1	1	25.40	1 1/2	38.1	.81	20.57
761L_20	20	32	17.4	761L_1 1/4	1 1/4	31.75	1 7/8	47.6	1.25	31.75
761L_22	22	32	17.4	761L_1 1/2	1 1/2	38.10	2 1/4	57.2	1.50	38.10
761L_25	25	38	20.6							

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

762 L
UNION



TUBE (METRIC) TO TUBE (METRIC)

Ordering Information	A	D	W	N	L	I
	Tube O.D. mm	mm	Hex. Flat mm	mm	mm	mm
762L_2	2	1.7	12	22.4	35.6	12.9
762L_3	3	2.4	12	22.1	35.3	12.9
762L_4	4	2.4	12	24.1	37.3	13.7
762L_6	6	4.8	14	26.2	41.0	15.3
762L_8	8	6.4	15	28.2	43.2	16.2
762L_10	10	7.9	18	31.0	46.2	17.2
762L_12	12	9.5	22	31.0	51.2	22.8
762L_14	14	11.1	24	31.8	52.0	22.8
762L_15	15	11.9	24	31.8	52.0	24.4
762L_16	16	12.7	24	31.8	52.0	24.4
762L_18	18	15.1	27	33.3	53.5	24.4
762L_20	20	15.9	30	34.8	55.0	26.0
762L_22	22	18.3	30	34.8	55.0	26.0
762L_25	25	21.8	35	40.4	65.0	31.3

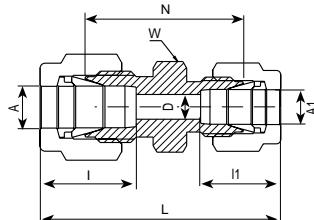
TUBE (INCH) TO TUBE (INCH)

Ordering Information	A		D		W		N		L		I	
	Tube O.D. in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
762L_1/16	.0625	1.58	.05	1.27	.5/16	7.9	.69	17.52	.99	25.14	.34	8.6
762L_1/8	.125	3.17	.09	2.28	.7/16	11.1	.88	22.35	1.40	35.56	.50	12.7
762L_3/16	.1875	4.76	.12	3.04	.7/16	11.1	.95	24.13	1.47	37.33	.54	13.7
762L_1/4	.25	6.35	.19	4.82	1/2	12.7	1.03	26.16	1.61	40.89	.60	15.2
762L_5/16	.3125	7.93	.25	6.35	.9/16	14.3	1.11	28.2	1.69	42.9	.64	16.3
762L_3/8	.375	9.52	.28	7.11	5/8	15.9	1.19	30.22	1.77	44.95	.66	16.8
762L_1/2	.5	12.70	.41	10.41	13/16	20.6	1.22	30.98	2.02	51.30	.90	22.9
762L_5/8	.625	15.87	.50	12.70	15/16	23.8	1.25	31.75	2.05	52.07	.96	24.4
762L_3/4	.75	19.05	.62	15.74	1 1/16	27.0	1.31	33.27	2.11	53.59	.96	24.4
762L_7/8	.875	22.22	.72	18.28	1 3/16	30.2	1.38	35.05	2.17	55.11	1.02	26.0
762L_1	1.0	25.40	.88	22.35	1 3/8	34.9	1.59	40.38	2.55	64.77	1.23	31.3
762L_1 1/4	*1 1/4	31.75	1.09	27.70	1 3/4	44.5	1.89	48.00	3.63	92.20	1.62	41.2
762L_1 1/2	*1 1/2	38.1	1.34	34.00	2 1/8	54.0	2.11	53.60	4.25	107.95	1.97	50.0

* Including low friction paste, See page 5 • "D" - Dimension is minimum opening. • Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

763 L REDUCING UNION



TUBE (METRIC) TO TUBE (METRIC)								
Ordering Information	A	A1	D	W	N	L	I	I1
	Tube O.D.	Tube O.D.	mm	mm	mm	mm	mm	mm
763L_3 x 2	3	2	1.7	12	22.1	35.3	12.9	12.9
763L_6 x 2	6	2	1.7	14	24.6	38.6	15.3	12.9
763L_6 x 3	6	3	2.4	14	24.6	38.6	15.3	12.9
763L_6 x 4	6	4	2.4	14	25.4	39.4	15.3	13.7
763L_8 x 6	8	6	4.8	15	27.4	42.3	16.2	15.3
763L_10 x 6	10	6	4.8	18	29.5	44.5	17.2	15.3
763L_10 x 8	10	8	6.4	18	30.0	45.1	17.2	16.2
763L_12 x 6	12	6	4.8	22	29.5	47.0	22.8	15.3
763L_12 x 8	12	8	6.4	22	30.2	47.8	22.8	16.2
763L_12 x 10	12	10	7.9	22	31.0	48.7	22.8	17.2
763L_16 x 10	16	10	7.9	24	31.8	49.5	24.4	17.2
763L_16 x 12	16	12	9.5	24	31.8	52.0	24.4	22.8
763L_18 x 12	18	12	9.5	27	33.3	53.5	24.4	22.8
763L_25 x 18	25	18	15.1	35	38.6	61.0	31.3	24.4
763L_25 x 20	25	20	15.9	35	39.9	62.3	31.3	26.0

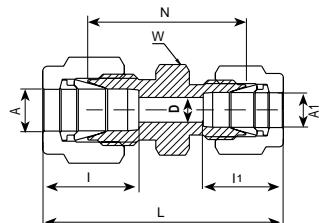
TUBE (METRIC) TO TUBE (INCH)

Ordering Information	A	A1	D	W	N	L	I	I1
	Tube O.D.	Tube O.D.	mm	mm	mm	mm	mm	mm
763L_2 x 1/4	2	1/4	1.7	14	24.0	38.6	12.9	15.2
763L_3 x 1/8	3	1/8	2.4	12	22.1	35.2	12.9	12.7
763L_4 x 1/8	4	1/8	2.4	12	23.4	36.5	13.7	12.7
763L_4 x 1/4	4	1/4	2.4	14	25.4	39.4	13.7	15.2
763L_6 x 1/8	6	1/8	2.4	14	24.6	38.5	15.3	12.7
763L_6 x 1/4	6	1/4	4.8	14	26.2	41.0	15.3	15.2
763L_6 x 5/16	6	5/16	4.8	14	27.4	42.3	15.3	16.2
763L_8 x 1/8	8	1/8	2.4	15	25.9	39.9	16.2	12.7
763L_8 x 1/4	8	1/4	4.8	15	27.4	42.3	16.2	15.2
763L_8 x 3/8	8	3/8	6.4	16	29.5	44.3	16.2	16.8
763L_10 x 1/8	10	1/8	2.4	18	27.7	41.8	17.2	12.7
763L_10 x 1/4	10	1/4	4.8	18	29.5	44.5	17.2	15.2
763L_10 x 5/16	10	5/16	6.4	18	30.0	45.1	17.2	16.2
763L_10 x 3/8	10	3/8	7.1	18	31.0	45.9	17.2	16.8
763L_12 x 5/16	12	5/16	6.4	22	30.2	47.8	22.8	16.2
763L_12 x 3/8	12	3/8	7.1	22	31.0	48.4	22.8	16.8
763L_12 x 1/2	12	1/2	9.5	22	31.0	51.2	22.8	22.9
763L_15 x 1/2	15	1/2	10.3	24	31.8	52.0	24.4	22.9
763L_16 x 5/8	16	5/8	12.7	24	31.8	52.0	24.4	24.4
763L_18 x 3/4	18	3/4	15.1	27	33.3	53.5	24.4	24.4

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

763 L REDUCING UNION

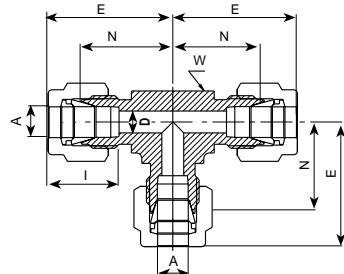


TUBE (INCH) TO TUBE (INCH)																		
Ordering Information	A		A1		D		W		N		L		I		I1			
	Tube O.D.		Tube O.D.				Hex. Flat											
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
763L_ 1/8 x 1/16	1/8	3.17	1/16	1.58	.05	1.27	7/16	11.1	.81	20.57	1.22	30.98	.50	12.7	.34	8.6		
763L_ 3/16 x 1/16	3/16	4.76	1/16	1.58	.05	1.27	7/16	11.1	.86	21.84	1.27	32.26	.54	13.7	.34	8.6		
763L_ 3/16 x 1/8	3/16	4.76	1/8	3.17	.09	2.28	7/16	11.1	.92	23.36	1.44	36.57	.54	13.7	.50	12.7		
763L_ 1/4 x 1/16	1/4	6.35	1/16	1.58	.05	1.27	1/2	12.7	.91	23.11	1.35	34.29	.60	15.2	.34	8.6		
763L_ 1/4 x 1/8	1/4	6.35	1/8	3.17	.09	2.28	1/2	12.7	.97	24.63	1.52	38.60	.60	15.2	.50	12.7		
763L_ 1/4 x 3/16	1/4	6.35	3/16	4.76	.12	3.04	1/2	12.7	1.00	25.40	1.55	37.37	.60	15.2	.54	13.7		
763L_ 5/16 x 1/8	5/16	7.93	1/8	3.17	.09	2.28	9/16	14.3	1.01	25.65	1.56	39.62	.64	16.3	.50	12.7		
763L_ 5/16 x 1/4	5/16	7.93	1/4	6.35	.19	4.82	9/16	14.3	1.08	27.43	1.66	42.16	.64	16.3	.60	15.2		
763L_ 3/8 x 1/16	3/8	9.52	1/16	1.58	.05	1.27	5/8	15.9	1.00	25.40	1.44	36.58	.66	16.8	.34	8.6		
763L_ 3/8 x 1/8	3/8	9.52	1/8	3.17	.09	2.28	5/8	15.9	1.06	26.92	1.61	40.89	.66	16.8	.50	12.7		
763L_ 3/8 x 1/4	3/8	9.52	1/4	6.35	.19	4.82	5/8	15.9	1.12	28.44	1.70	43.18	.66	16.8	.60	15.2		
763L_ 3/8 x 5/16	3/8	9.52	5/16	7.93	.25	6.35	5/8	15.9	1.16	29.46	1.74	44.19	.66	16.8	.64	16.3		
763L_ 1/2 x 1/8	1/2	12.70	1/8	3.17	.09	2.28	13/16	20.6	1.12	28.44	1.78	45.21	.90	22.9	.50	12.7		
763L_ 1/2 x 1/4	1/2	12.70	1/4	6.35	.19	4.82	13/16	20.6	1.16	29.46	1.85	46.99	.90	22.9	.60	15.2		
763L_ 1/2 x 3/8	1/2	12.70	3/8	9.52	.28	7.11	13/16	20.6	1.22	30.98	1.91	48.51	.90	22.9	.66	16.8		
763L_ 5/8 x 3/8	5/8	15.87	3/8	9.52	.28	7.11	15/16	23.8	1.25	31.75	1.94	49.27	.96	24.4	.66	16.8		
763L_ 5/8 x 1/2	5/8	15.87	1/2	12.70	.41	10.41	15/16	23.8	1.25	31.75	2.05	52.07	.96	24.4	.90	22.9		
763L_ 3/4 x 1/4	3/4	19.05	1/4	6.35	.19	4.82	1 1/16	27.0	1.25	31.75	1.94	49.28	.96	24.4	.60	15.2		
763L_ 3/4 x 3/8	3/4	19.05	3/8	9.52	.28	7.11	1 1/16	27.0	1.31	33.27	2.00	50.80	.96	24.4	.66	16.8		
763L_ 3/4 x 1/2	3/4	19.05	1/2	12.70	.41	10.41	1 1/16	27.0	1.31	33.27	2.11	53.59	.96	24.4	.90	22.9		
763L_ 3/4 x 5/8	3/4	19.05	5/8	15.87	.50	12.70	1 1/16	27.0	1.31	33.27	2.11	53.59	.96	24.4	.96	24.4		
763L_ 1 x 1/2	1	25.4	1/2	12.70	.41	10.41	1 3/8	34.9	1.61	38.10	2.38	60.45	1.23	31.2	.90	22.9		
763L_ 1 x 3/4	1	25.4	3/4	19.05	.62	15.75	1 3/8	34.9	1.59	38.10	2.38	60.45	1.23	31.2	.96	24.4		

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

764 L UNION TEE



ALL TUBE (METRIC)

Description	A	D	W		N	E	I
	Tube O.D. mm	mm	in	mm	mm	mm	mm
764L_2	2	1.7	3/8	9.5	15.7	22.3	12.9
764L_3	3	2.4	3/8	9.5	15.7	22.3	12.9
764L_4	4	2.4	1/2	12.7	18.8	25.4	13.7
764L_6	6	4.8	1/2	12.7	19.6	27.0	15.3
764L_8	8	6.4	5/8	15.9	22.4	29.9	16.2
764L_10	10	7.9	11/16	17.5	23.9	31.5	17.2
764L_12	12	9.5	13/16	20.6	25.9	36.0	22.8
764L_14	14	11.1	15/16	23.8	28.7	38.8	24.4
764L_15	15	11.9	15/16	23.8	28.7	38.8	24.4
764L_16	16	12.7	15/16	23.8	28.7	38.8	24.4
764L_18	18	15.1	1 1/8	28.6	29.7	39.8	24.4
764L_20	20	15.9	1 3/8	34.9	34.5	44.6	26.0
764L_22	22	18.3	1 3/8	34.9	34.5	44.6	26.0
764L_25	25	21.8	1 3/8	34.9	36.8	49.1	31.3

ALL TUBE (INCH)

Description	A		D		W		N		E		I	
	Tube O.D. in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
764L_1/16	1/16	1.58	.05	1.27	3/8	9.5	.56	14.22	.70	17.80	.34	8.6
764L_1/8	1/8	3.17	.09	2.28	3/8	9.5	.62	15.74	.88	22.35	.50	12.7
764L_3/16	3/16	4.76	.12	3.04	1/2	12.7	.70	17.80	.96	24.40	.54	13.7
764L_1/4	1/4	6.35	.19	4.82	1/2	12.7	.77	19.55	1.06	26.90	.60	15.2
764L_5/16	5/16	7.93	.25	6.35	5/8	15.9	.88	22.35	1.17	29.71	.64	16.3
764L_3/8	3/8	9.52	.28	7.11	5/8	15.9	.91	23.11	1.20	30.48	.66	16.8
764L_1/2	1/2	12.70	.41	10.41	13/16	20.6	1.02	25.90	1.42	30.10	.90	22.9
764L_5/8	5/8	15.87	.50	12.70	15/16	23.8	1.13	28.70	1.53	38.90	.96	24.4
764L_3/4	3/4	19.05	.62	15.74	1 1/8	28.6	1.17	29.70	1.57	39.90	.96	24.4
764L_7/8	7/8	22.22	.72	18.29	1 3/8	34.9	1.36	34.54	1.76	44.70	1.02	25.9
764L_1	1	25.40	.88	22.35	1 3/8	34.9	1.45	36.80	1.93	49.00	1.23	31.2
764L_1 1/4	*1 1/4	31.75	1.09	27.7	1 11/16	42.9	1.75	44.50	2.67	67.80	1.62	41.1
764L_1 1/2	*1 1/2	38.10	1.34	34.0	2	50.8	2.00	50.80	3.10	78.74	1.97	50.0

* Including low friction paste, See page 5 • "D" - Dimension is minimum opening. • Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

764 LR REDUCING UNION TEE



Ordering Information	A		A1		E		E1		I		I1		D		W		N		N1									
	Tube O.D.	in	Tube O.D.	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm									
764LR_3/8 X 3/8 X 1/4	3/8	9.52	1/4	6.35	1.20	30.5	1.14	29.0	0.66	16.8	0.60	15.2	0.19	4.8	5/8	15.9	0.91	23.1	0.85	21.6								
764LR_1/2 X 1/2 X 1/4	1/2	12.70	1/4	6.35	1.42	36.1	1.25	31.8	0.90	22.9	0.60	15.2	0.19	4.8	13/16	20.6	1.02	25.9	0.96	24.4								
764LR_1/2 X 1/2 X 3/8	1/2	12.70	3/8	9.52	1.42	36.1	1.31	33.3	0.90	22.9	0.66	16.8	0.28	7.1	13/16	20.6	1.02	25.9	1.02	25.9								
764LR_5/8 X 5/8 X 3/8	5/8	15.88	3/8	9.52	1.53	38.9	1.42	36.1	0.96	24.4	0.66	16.8	0.28	7.1	15/16	23.8	1.13	28.7	1.13	28.7								
764LR_3/4 X 3/4 X 3/8	3/4	19.05	3/8	9.52	1.57	39.9	1.46	37.1	0.96	24.4	0.66	16.8	0.28	7.1	1 1/8	28.6	1.17	29.7	1.17	29.7								
764LR_3/4 X 3/4 X 1/2	3/4	19.05	1/2	12.70	1.57	39.9	1.57	39.9	0.96	24.4	0.90	22.9	0.41	10.4	1 1/8	28.6	1.17	29.7	1.17	29.7								
764LR_1 X 1 X 3/8	1	25.4	3/8	9.52	1.93	49.0	1.65	41.9	1.23	31.2	0.66	16.8	0.28	7.1	1 3/8	34.9	1.45	36.8	1.36	34.5								
764LR_1 X 1 X 1/2	1	25.4	1/2	12.70	1.93	49.0	1.76	44.7	1.23	31.2	0.90	22.9	0.41	10.4	1 3/8	34.9	1.45	36.8	1.36	34.5								
764LR_1 X 1 X 3/4	1	25.4	3/4	19.05	1.93	49.0	1.76	44.7	1.23	31.2	0.96	24.4	0.62	15.8	1 3/8	34.9	1.45	36.8	1.36	34.5								
<div style="text-align: center;"> HOW TO ORDER <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>A</td><td>A</td><td>A1</td></tr> <tr><td>764LR</td><td>3/8</td><td>X</td><td>3/8</td><td>X</td><td>1/4</td></tr> </table> </div>																				A	A	A1	764LR	3/8	X	3/8	X	1/4
A	A	A1																										
764LR	3/8	X	3/8	X	1/4																							
Ordering Information	A		A1		E		E1		I		I1		D		W		N		N1									
	Tube O.D.	in	Tube O.D.	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm									
764LR_3/8 X 1/4 X 3/8	3/8	9.52	1/4	6.35	1.20	30.5	1.14	29.0	0.66	16.8	0.60	15.2	0.19	4.8	5/8	15.9	0.91	23.1	0.85	21.6								
<div style="text-align: center;"> HOW TO ORDER <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>A</td><td>A1</td><td>A</td></tr> <tr><td>764LR</td><td>3/8</td><td>X</td><td>1/4</td><td>X</td><td>3/8</td></tr> </table> </div>																				A	A1	A	764LR	3/8	X	1/4	X	3/8
A	A1	A																										
764LR	3/8	X	1/4	X	3/8																							

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

Cont'd on next page

**764 LR
REDUCING TEE (Cont'd)**


Ordering Information	A		A1		E		E1		I		I1		D		W		N		N1	
	Tube O.D.		Tube O.D.		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
764LR_1/2 X 3/8 X 3/8	1/2	12.70	3/8	9.52	1.42	36.1	1.31	33.3	0.90	22.9	0.66	16.8	0.28	7.1	13/16	20.6	1.02	25.9	1.02	25.9
764LR_5/8 X 3/8 X 3/8	5/8	15.88	3/8	9.52	1.53	38.9	1.42	36.1	0.96	24.4	0.66	16.8	0.28	7.1	15/16	23.8	1.13	28.7	1.13	28.7
764LR_3/4 X 3/8 X 3/8	3/4	19.05	3/8	9.52	1.57	39.9	1.46	37.1	0.96	24.4	0.66	16.8	0.28	7.1	1 1/8	28.6	1.17	29.7	1.17	29.7

Ordering Information	A		A1		A2		E		E1		E2		I		I1		I2		D		W		N		N1&N2	
	Tube O.D.		Tube O.D.		Tube O.D.		in	mm	in	mm	in	mm	in	mm	in	mm										
764LR_5/8 X 1/2 X 3/8	5/8	15.88	1/2	12.70	3/8	9.52	1.53	38.9	1.53	38.9	1.42	36.1	0.96	24.4	0.90	22.9	0.66	16.8	0.28	7.1	15/16	23.8	1.13	28.7	1.13	28.7
764LR_3/4 X 1/2 X 3/8	3/4	19.05	1/2	12.70	3/8	9.52	1.57	39.9	1.57	39.9	1.46	37.1	0.96	24.4	0.90	22.9	0.66	16.8	0.28	7.1	1 1/8	28.6	1.17	29.7	1.17	29.7
764LR_1 X 3/4 X 3/8	1	25.4	3/4	19.05	3/8	9.52	1.93	49.0	1.76	44.7	1.65	41.9	1.23	31.2	0.96	24.4	0.66	16.8	0.28	7.1	1 3/8	34.9	1.45	36.8	1.36	34.5

HOW TO ORDER

764LR 1/2 X 3/8 X 3/8

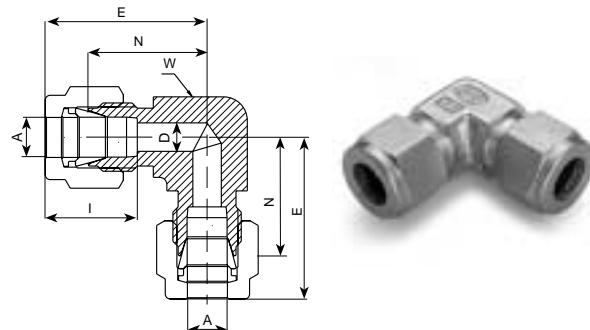
HOW TO ORDER

764LR 5/8 X 1/2 X 3/8

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

765 L UNION ELBOW



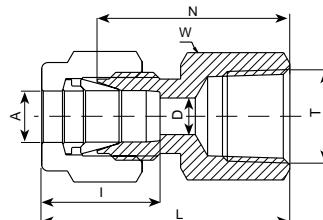
TUBE (METRIC) TO TUBE (METRIC)

Ordering Information	A	D	W		N	E	I
	Tube O.D. mm	mm	in	mm	mm	mm	mm
765L_3	3	2.4	3/8	9.5	15.7	22.3	12.9
765L_4	4	2.4	1/2	12.7	18.8	25.4	13.7
765L_6	6	4.8	1/2	12.7	19.6	27.0	15.3
765L_8	8	6.4	9/16	14.3	21.3	28.8	16.2
765L_10	10	7.9	11/16	17.5	23.9	31.5	17.2
765L_12	12	9.5	13/16	20.6	25.9	36.0	22.8
765L_14	14	11.1	15/16	23.8	27.9	38.0	24.4
765L_15	15	11.9	15/16	23.8	27.9	38.0	24.4
765L_16	16	12.7	15/16	23.8	27.9	38.0	24.4
765L_18	18	15.1	1 1/8	28.6	29.7	39.8	24.4
765L_20	20	15.9	1 3/8	34.9	34.5	44.6	26.0
765L_22	22	18.3	1 3/8	34.9	34.5	44.6	26.0
765L_25	25	21.8	1 3/8	34.9	36.8	49.1	31.3

TUBE (INCH) TO TUBE (INCH)

Ordering Information	A		D		W		N		E		I	
	Tube O.D. in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
765L_1/16	.0625	1.58	.05	1.25	3/8	9.5	.55	14.00	.70	17.81	.34	8.7
765L_1/8	.125	3.17	.09	2.28	3/8	9.5	.62	15.74	.88	22.35	.50	12.7
765L_3/16	.1875	4.76	.12	3.04	1/2	12.7	.74	18.80	1.00	25.40	.54	13.7
765L_1/4	.375	6.35	.19	4.82	1/2	12.7	.77	19.56	1.06	26.92	.60	15.2
765L_5/16	.3125	7.93	.25	6.35	9/16	14.3	.84	21.33	1.13	28.70	.64	16.3
765L_3/8	.375	9.52	.28	7.11	5/8	15.9	.91	23.11	1.20	30.48	.66	16.8
765L_1/2	.500	12.70	.41	10.41	13/16	20.6	1.02	25.90	1.42	36.06	.90	22.9
765L_5/8	.625	15.87	.50	12.70	15/16	23.8	1.10	27.94	1.50	38.10	.96	24.4
765L_3/4	.750	19.05	.62	15.74	1 1/8	28.6	1.17	29.71	1.57	39.89	.96	24.4
765L_7/8	.875	22.22	.72	18.28	1 3/8	34.9	1.36	34.5	1.76	44.70	1.02	25.9
765L_1	1.00	25.40	.88	22.35	1 3/8	34.9	1.45	36.83	1.93	49.00	1.23	31.3
765L_1 1/4	*1 1/4	31.75	1.09	27.7	1 11/16	42.9	1.75	44.5	2.62	66.50	1.62	41.1
765L_1 1/2	*1 1/2	38.10	1.34	34.0	2	50.8	2.00	50.8	3.07	78.00	1.97	50.0

* Including low friction paste, See page 5 • "D" - Dimension is minimum opening. • Dimensions are for reference only, and are subject to change without notice.

**766 L
FEMALE CONNECTOR**

TUBE (METRIC) TO FEMALE NPT THREAD

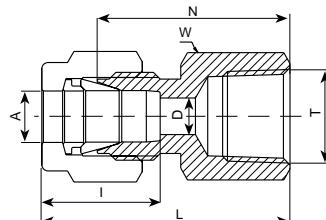
Ordering Information	A Tube O.D.	T (NPT)	D	W Hex. Flat	N	L	I
	mm	in	mm	mm	mm	mm	mm
766L_3 X 1/8	3	1/8	2.4	14	22.1	28.7	12.7
766L_3 X 1/4	3	1/4	2.4	19	26.9	33.5	12.7
766L_4 X 1/8	4	1/8	2.4	14	23.1	29.7	13.7
766L_6 X 1/8	6	1/8	4.8	14	23.9	31.3	15.3
766L_6 X 1/4	6	1/4	4.8	19	28.4	35.8	15.3
766L_6 X 3/8	6	3/8	4.8	22	30.2	37.6	15.3
766L_6 X 1/2	6	1/2	4.8	27	35.1	42.5	15.3
766L_8 X 1/8	8	1/8	6.4	15	24.6	32.1	16.2
766L_8 X 1/4	8	1/4	6.4	19	29.5	37.0	16.2
766L_8 X 3/8	8	3/8	6.4	22	31.0	38.5	16.2
766L_8 X 1/2	8	1/2	6.4	27	35.8	43.3	16.2
766L_10 X 1/4	10	1/4	7.9	19	30.2	37.8	17.2
766L_10 X 3/8	10	3/8	7.9	22	31.8	39.4	17.2
766L_10 X 1/2	10	1/2	7.9	27	36.6	44.2	17.2
766L_12 X 1/4	12	1/4	9.5	22	30.2	40.3	22.8
766L_12 X 3/8	12	3/8	9.5	22	31.8	41.9	22.8
766L_12 X 1/2	12	1/2	9.5	27	36.6	46.7	22.8
766L_15 X 1/2	15	1/2	11.9	27	36.6	46.7	24.4
766L_16 X 1/2	16	1/2	12.7	27	36.8	46.9	24.4
766L_20 X 1/2	20	1/2	15.9	30	37.8	47.9	26.0
766L_20 X 3/4	20	3/4	15.9	35	39.6	49.7	26.0
766L_22 X 3/4	22	3/4	18.3	35	39.6	49.7	26.0
766L_22 X 1	22	1	18.3	41	47.8	57.9	26.0
766L_25 X 3/4	25	3/4	21.8	35	41.1	53.4	31.3
766L_25 X 1	25	1	21.8	41	50.0	62.3	31.3

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

For inches, see next page

LET-LOK TUBE FITTINGS

766 L FEMALE CONNECTOR (Cont'd)

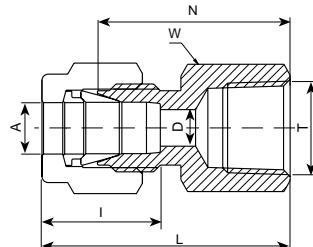


TUBE (INCH) TO FEMALE NPT THREAD														
Ordering Information	A Tube O.D.		T (NPT)		D		W Hex Flat		N		L		I	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
766L_ 1/8 X 1/8	1/8	3.17	1/8	.09	2.28	9/16	14.3	.87	22.10	1.13	28.70	.50	12.7	
766L_ 1/8 X 1/4	1/8	3.17	1/4	.09	2.28	3/4	19.1	1.06	26.92	1.32	33.52	.50	12.7	
766L_ 3/16 X 1/8	3/16	4.76	1/8	.12	3.04	9/16	14.3	.91	23.11	1.17	29.71	.54	13.7	
766L_ 1/4 X 1/8	1/4	6.35	1/8	.19	4.82	9/16	14.3	.94	23.87	1.23	31.24	.60	15.2	
766L_ 1/4 X 1/4	1/4	6.35	1/4	.19	4.82	3/4	19.1	1.12	28.44	1.41	35.81	.60	15.2	
766L_ 1/4 X 3/8	1/4	6.35	3/8	.19	4.82	7/8	22.2	1.19	30.22	1.48	37.59	.60	15.2	
766L_ 1/4 X 1/2	1/4	6.35	1/2	.19	4.82	1 1/16	27.0	1.38	35.0	1.67	42.42	.60	15.2	
766L_ 5/16 X 1/8	5/16	7.93	1/8	.25	6.35	9/16	14.3	.97	24.63	1.26	32.00	.64	16.3	
766L_ 5/16 X 1/4	5/16	7.93	1/4	.25	6.35	3/4	19.1	1.16	29.46	1.45	36.83	.64	16.3	
766L_ 3/8 X 1/8	3/8	9.52	1/8	.28	7.11	5/8	15.9	1.00	25.40	1.29	32.76	.66	16.8	
766L_ 3/8 X 1/4	3/8	9.52	1/4	.28	7.11	3/4	19.1	1.19	30.22	1.48	37.59	.66	16.8	
766L_ 3/8 X 3/8	3/8	9.52	3/8	.28	7.11	7/8	22.2	1.25	31.75	1.54	39.11	.66	16.8	
766L_ 3/8 X 1/2	3/8	9.52	1/2	.28	7.11	1 1/16	27.0	1.44	36.57	1.73	43.94	.66	16.8	
766L_ 1/2 X 1/4	1/2	12.70	1/4	.41	10.41	13/16	20.6	1.19	30.2	1.59	40.38	.90	22.9	
766L_ 1/2 X 3/8	1/2	12.70	3/8	.41	10.41	7/8	22.2	1.25	31.75	1.65	41.91	.90	22.9	
766L_ 1/2 X 1/2	1/2	12.70	1/2	.41	10.41	1 1/16	27.0	1.44	36.57	1.84	46.73	.90	22.9	
766L_ 1/2 X 3/4	1/2	12.70	3/4	.41	10.41	1 5/16	33.3	1.50	38.10	1.90	48.26	.90	22.9	
766L_ 5/8 X 3/8	5/8	15.87	3/8	.50	12.70	15/16	23.8	1.25	31.75	1.65	41.91	.90	24.4	
766L_ 5/8 X 1/2	5/8	15.87	1/2	.50	12.70	1 1/16	27.0	1.44	36.57	1.84	46.73	.86	24.4	
766L_ 3/4 X 1/2	3/4	19.05	1/2	.62	15.74	1 1/16	27.0	1.44	36.57	1.84	46.73	.86	24.4	
766L_ 3/4 X 3/4	3/4	19.05	3/4	.62	15.74	1 5/16	33.3	1.50	38.10	1.90	48.26	.86	24.4	
766L_ 7/8 X 3/4	7/8	22.22	3/4	.72	18.28	1 5/16	33.3	1.56	39.62	1.96	49.78	1.02	25.9	
766L_ 1 X 3/4	1	25.40	3/4	.88	22.35	1 3/8	34.9	1.62	41.14	2.10	53.34	1.23	31.2	
766L_ 1 X 1	1	25.40	1	.88	22.35	1 5/8	41.3	1.97	50.03	2.45	62.23	1.23	31.2	

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

766 LR FEMALE CONNECTOR



TUBE (METRIC) TO FEMALE ISO TAPERED THREAD

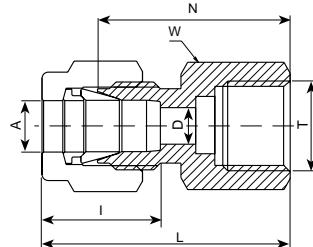
Ordering Information	A	T	D	W	N	L	I
	Tube O.D. mm	(ISO) in	mm	Hex. Flat mm	mm	mm	mm
766LR_3 X 1/8	3	R-1/8	2.4	14	22.1	28.7	12.9
766LR_6 X 1/8	6	R-1/8	4.8	14	23.9	31.3	15.3
766LR_6 X 1/4	6	R-1/4	4.8	19	28.4	35.8	15.3
766LR_6 X 3/8	6	R-3/8	4.8	22	30.2	37.6	15.3
766LR_6 X 1/2	6	R-1/2	4.8	27	35.1	42.5	15.3
766LR_8 X 1/8	8	R-1/8	6.4	15	24.6	32.1	16.2
766LR_8 X 1/4	8	R-1/4	6.4	19	29.5	37.0	16.2
766LR_8 X 3/8	8	R-3/8	6.4	22	31.0	38.5	16.2
766LR_8 X 1/2	8	R-1/2	6.4	27	35.8	43.3	16.2
766LR_10 X 1/8	10	R-1/8	7.9	18	25.4	33.0	17.2
766LR_10 X 1/4	10	R-1/4	7.9	19	30.2	37.8	17.2
766LR_10 X 3/8	10	R-3/8	7.9	22	31.8	39.4	17.2
766LR_10 X 1/2	10	R-1/2	7.9	27	36.6	44.2	17.2
766LR_12 X 1/8	12	R-1/8	8.3	22	25.4	35.5	22.8
766LR_12 X 1/4	12	R-1/4	9.5	22	30.2	40.3	22.8
766LR_12 X 3/8	12	R-3/8	9.5	22	31.8	41.9	22.8
766LR_12 X 1/2	12	R-1/2	9.5	27	36.6	46.7	22.8
766LR_12 X 3/4	12	R-3/4	9.5	35	38.9	49.0	22.8
766LR_15 X 3/8	15	R-3/8	11.9	24	31.8	41.9	24.4
766LR_15 X 1/2	15	R-1/2	11.9	27	36.6	46.7	24.4
766LR_20 X 1/2	20	R-1/2	15.9	30	37.8	47.9	26.0
766LR_20 X 3/4	20	R-3/4	15.9	35	39.6	49.7	26.0
766LR_22 X 3/4	22	R-3/4	18.3	35	39.6	49.7	26.0
766LR_22 X 1	22	R-1	18.3	41	47.8	57.9	26.0
766LR_25 X 3/4	25	R-3/4	21.8	35	41.1	53.4	31.3
766LR_25 X 1	25	R-1	21.8	41	50.0	62.3	31.3

Reference Specifications:
 DIN - 2999
 BS - 21
 JIS - B0203
 ISO - 7/1-BSP-T

Designation:
 Marking LR on Hex.

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

766 LG
FEMALE CONNECTOR



TUBE (METRIC) TO FEMALE ISO PARALLEL THREAD

Ordering Information	A	T	D	W	N	L	I
	Tube O.D.	(ISO)	mm	mm	Hex. Flat	mm	mm
766LG _ 3 X 1/4	3	G-1/4	2.4	19	28.7	35.3	12.9
766LG _ 6 X 1/4	6	G-1/4	4.8	19	30.2	37.6	15.3
766LG _ 6 X 3/8	6	G-3/8	4.8	24	30.2	37.6	15.3
766LG _ 6 X 1/2	6	G-1/2	4.8	27	36.1	43.5	15.3
766LG _ 8 X 1/4	8	G-1/4	5.5	19	31.0	38.5	16.2
766LG _ 8 X 3/8	8	G-3/8	6.5	24	28.7	36.2	16.2
766LG _ 8 X 1/2	8	G-1/2	7.0	27	33.5	41.0	16.2
766LG _ 10 X 1/4	10	G-1/4	5.5	19	31.8	39.4	17.2
766LG _ 10 X 3/8	10	G-3/8	6.5	24	31.2	38.8	17.2
766LG _ 10 X 1/2	10	G-1/2	7.0	27	34.5	42.1	17.2
766LG _ 12 X 1/4	12	G-1/4	5.5	22	31.8	41.9	22.8
766LG _ 12 X 3/8	12	G-3/8	6.5	24	34.3	44.4	22.8
766LG _ 12 X 1/2	12	G-1/2	7.0	27	38.1	48.2	22.8
766LG _ 20 X 1/2	20	G-1/2	7.0	30	44.2	54.3	26.0
766LG _ 22 X 1/2	22	G-1/2	7.0	30	44.2	54.3	26.0

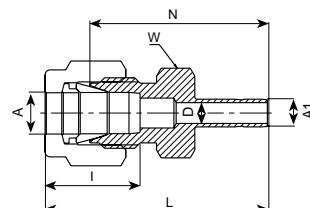
Reference Specifications:
 DIN - ISO 228/1
 BS - 2779
 JIS - B0202
 ISO - 228/1-BSP-P

Designation:
 Marking LG on Hex.

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

767 LT REDUCER



TUBE (METRIC) TO STUB (METRIC)

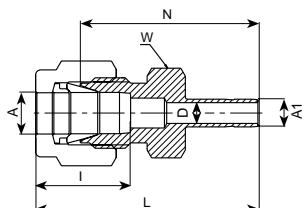
Ordering Information	A	A1	D	W	N	L	I
	Tube O.D.	Tube O.D.	mm	mm	mm	mm	mm
767LT_2 X 3	2	3	1.7	12	26.9	33.5	12.9
767LT_3 X 4	3	4	2.4	12	28.4	35.0	12.9
767LT_3 X 6	3	6	2.4	12	29.5	36.1	12.9
767LT_3 X 10	3	10	2.4	14	31.8	38.4	12.9
767LT_4 X 6	4	6	2.4	12	30.5	37.1	13.7
767LT_6 X 3	6	3	1.8	14	29.5	36.9	15.3
767LT_6 X 8	6	8	4.8	14	32.5	39.9	15.3
767LT_6 X 10	6	10	4.8	14	33.3	40.7	15.3
767LT_6 X 12	6	12	4.8	14	38.9	46.3	15.3
767LT_6 X 18	6	18	4.8	22	42.2	49.6	15.3
767LT_8 X 6	8	6	4.0	15	32.8	40.3	16.2
767LT_8 X 10	8	10	6.4	15	34.5	42.0	16.2
767LT_8 X 12	8	12	6.4	15	40.1	47.6	16.2
767LT_10 X 6	10	6	4.0	18	34.8	42.4	17.2
767LT_10 X 8	10	8	5.6	18	35.8	43.4	17.2
767LT_10 X 12	10	12	7.9	18	42.2	49.8	17.2
767LT_10 X 15	10	15	7.9	18	43.7	51.3	17.2
767LT_10 X 18	10	18	7.9	22	43.7	51.3	17.2
767LT_12 X 6	12	6	4.0	22	34.8	44.9	22.8
767LT_12 X 10	12	10	7.7	22	36.6	46.7	22.8
767LT_12 X 16	12	16	9.5	22	43.7	53.8	22.8
767LT_12 X 18	12	18	9.5	22	43.7	53.8	22.8
767LT_12 X 20	12	20	9.5	22	46.0	56.1	22.8
767LT_12 X 22	12	22	9.5	24	46.0	56.1	22.8
767LT_12 X 25	12	25	9.5	27	52.3	62.4	22.8
767LT_16 X 12	16	12	9.1	24	42.9	53.0	24.4
767LT_18 X 12	18	12	9.1	27	44.5	54.6	24.4
767LT_18 X 16	18	16	12.7	27	46.0	56.1	24.4
767LT_18 X 20	18	20	15.1	27	47.5	57.6	24.4
767LT_18 X 22	18	22	15.1	27	47.5	57.6	24.4
767LT_18 X 25	18	25	15.1	27	52.3	62.4	24.4
767LT_20 X 16	20	16	12.7	30	47.8	57.9	26.0
767LT_20 X 18	20	18	13.9	30	47.8	57.9	26.0
767LT_20 X 22	20	22	15.8	30	49.3	59.4	26.0
767LT_20 X 25	20	25	15.9	30	54.1	64.2	26.0
767LT_22 X 18	22	18	13.9	30	47.8	57.9	26.0
767LT_22 X 20	22	20	15.1	30	49.3	59.4	26.0
767LT_22 X 25	22	25	18.3	30	54.1	64.2	26.0
767LT_25 X 18	25	18	13.9	35	50.8	63.1	31.3
767LT_25 X 20	25	20	15.1	35	52.3	64.6	31.3

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

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LET-LOK TUBE FITTINGS

767 LT REDUCER (Cont'd)

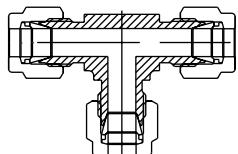


TUBE (METRIC) TO STUB (INCH)

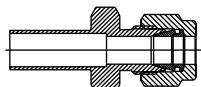
Ordering Information	A	A1	D	W	N	L	I
	Tube O.D. mm	Tube O.D. in	mm	mm Hex. Flat	mm	mm	mm
767LT_2 X 1/8	2	1/8	1.7	12	26.9	33.5	12.9
767LT_3 X 1/8	3	1/8	2.0	12	26.9	33.5	12.9
767LT_3 X 1/4	3	1/4	2.4	12	29.5	36.1	12.9
767LT_4 X 1/4	4	1/4	2.4	12	30.5	37.1	13.7
767LT_6 X 1/8	6	1/8	2.2	14	29.5	36.9	15.3
767LT_6 X 5/16	6	5/16	4.8	14	32.5	39.9	15.3
767LT_6 X 3/8	6	3/8	4.8	14	33.3	40.7	15.3
767LT_6 X 1/2	6	1/2	4.8	14	38.9	46.3	15.3
767LT_8 X 3/8	8	3/8	6.4	15	34.5	42.0	16.2
767LT_8 X 1/2	8	1/2	6.4	15	40.1	47.6	16.2
767LT_10 X 3/8	10	3/8	7.1	18	36.6	44.2	17.2
767LT_10 X 1/2	10	1/2	7.9	18	42.2	49.8	17.2
767LT_12 X 1/2	12	1/2	9.5	22	42.2	52.3	22.8
767LT_12 X 3/4	12	3/4	9.5	22	43.7	53.8	22.8
767LT_18 X 3/4	18	3/4	15.1	27	46.0	56.1	24.4
767LT_18 X 1	18	1	15.1	27	52.3	62.4	24.4
767LT_25 X 1	25	1	20.2	35	57.2	69.4	31.3

HEAT EXCHANGER TEE : INFORMATION

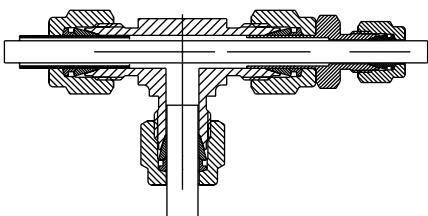
UNION TEE - 764 L



REDUCER - 767 LT



Heat exchanger tee made with
Let-lok tube fittings:

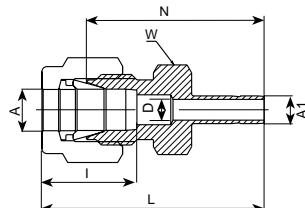


● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

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LET-LOK TUBE FITTINGS

767 LT REDUCER (Cont'd)

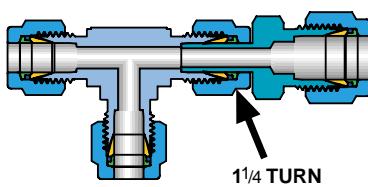


TUBE (INCH) TO STUB (INCH)

Ordering Information	A		A1		D		W		N		L		I	
	Tube O.D.		Tube O.D.		in	mm	in	mm	in	mm	in	mm	in	mm
767LT_1/16 X 1/8	1/16	1.58	1/8	3.17	.05	1.27	5/16	7.9	1.00	25.40	1.15	29.21	.34	8.6
767LT_1/16 X 1/4	1/16	1.58	1/4	6.35	.05	1.27	5/16	7.9	1.09	27.68	1.24	31.50	.34	8.6
767LT_1/8 X 1/16	1/8	3.17	1/16	1.58	.03	0.76	7/16	11.1	0.88	22.35	1.14	28.96	.50	12.7
767LT_1/8 X 3/16	1/8	3.17	3/16	4.76	.09	2.28	7/16	11.1	1.09	27.68	1.35	34.29	.50	12.7
767LT_1/8 X 1/4	1/8	3.17	1/4	6.35	.09	2.28	7/16	11.1	1.16	29.46	1.42	36.06	.50	12.7
767LT_1/8 X 3/8	1/8	3.17	3/8	9.52	.09	2.28	7/16	11.1	1.22	30.98	1.48	37.59	.50	12.7
767LT_1/8 X 1/2	1/8	3.17	1/2	12.70	.09	2.28	9/16	14.3	1.48	37.59	1.74	44.20	.50	12.7
767LT_3/16 X 1/8	3/16	4.76	1/8	3.17	.08	2.03	7/16	11.1	1.11	28.19	1.37	34.80	.54	13.7
767LT_3/16 X 1/4	3/16	4.76	1/4	6.35	.12	3.04	7/16	11.1	1.20	30.48	1.46	37.08	.60	13.7
767LT_1/4 X 1/8	1/4	6.35	1/8	3.17	.08	2.03	1/2	12.7	1.16	29.46	1.45	36.83	.60	15.2
767LT_1/4 X 3/16	1/4	6.35	3/16	4.76	.12	3.04	1/2	12.7	1.19	30.22	1.48	37.59	.60	15.2
767LT_1/4 X 1/4	1/4	6.35	1/4	6.35	.17	4.20	1/2	12.7	1.25	31.75	1.54	39.11	.60	15.2
767LT_1/4 X 5/16	1/4	6.35	5/16	7.93	.19	4.82	1/2	12.7	1.28	32.51	1.57	39.87	.60	15.2
767LT_1/4 X 3/8	1/4	6.35	3/8	9.52	.19	4.82	1/2	12.7	1.31	33.27	1.60	40.64	.60	15.2
767LT_1/4 X 1/2	1/4	6.35	1/2	12.70	.19	4.82	9/16	14.3	1.53	38.86	1.82	46.22	.60	15.2
767LT_1/4 X 5/8	1/4	6.35	5/8	7.93	.19	4.82	11/16	17.5	1.60	40.64	1.89	48.00	.60	15.2
767LT_1/4 X 3/4	1/4	6.35	3/4	19.05	.19	4.82	13/16	20.6	1.59	40.39	1.88	47.75	.60	15.2
767LT_5/16 X 3/8	5/16	7.93	3/8	9.52	.25	6.35	9/16	14.3	1.36	34.54	1.65	41.91	.64	16.3
767LT_5/16 X 1/2	5/16	7.93	1/2	12.70	.25	6.35	9/16	14.3	1.58	40.13	1.87	47.49	.64	16.3
767LT_3/8 X 1/4	3/8	9.52	1/4	6.35	.17	4.20	5/8	15.9	1.34	34.03	1.63	41.40	.66	16.8
767LT_3/8 X 3/8	3/8	9.52	3/8	9.52	.28	7.11	5/8	15.9	1.41	35.81	1.70	43.18	.66	16.8
767LT_3/8 X 1/2	3/8	9.52	1/2	12.70	.28	7.11	5/8	15.9	1.62	41.14	1.91	48.51	.66	16.8
767LT_3/8 X 5/8	3/8	9.52	5/8	15.87	.28	7.11	11/16	17.5	1.69	42.92	1.98	50.29	.66	16.8
767LT_3/8 X 3/4	3/8	9.52	3/4	19.05	.28	7.11	13/16	20.6	1.69	42.92	1.98	50.29	.66	16.8
767LT_1/2 X 1/4	1/2	12.70	1/4	6.35	.19	4.82	13/16	20.6	1.37	34.80	1.77	44.96	.90	22.9
767LT_1/2 X 3/8	1/2	12.70	3/8	9.52	.28	7.11	13/16	20.6	1.44	36.58	1.84	46.74	.90	22.9
767LT_1/2 X 1/2	1/2	12.70	1/2	12.70	.39	9.91	13/16	20.6	1.66	42.16	2.06	52.32	.90	22.9
767LT_1/2 X 5/8	1/2	12.70	5/8	15.87	.41	10.41	13/16	20.6	1.72	43.68	2.12	53.84	.90	22.9
767LT_1/2 X 3/4	1/2	12.70	3/4	19.05	.41	10.41	13/16	20.6	1.72	43.68	2.12	53.84	.90	22.9
767LT_1/2 X 1	1/2	12.70	1	25.40	.41	10.41	1 1/16	27.0	1.97	50.03	2.37	60.19	.90	22.9
767LT_5/8 X 3/4	5/8	15.87	3/4	19.05	.50	12.70	15/16	23.8	1.75	44.45	2.15	54.61	.96	24.4
767LT_5/8 X 7/8	5/8	15.87	7/8	22.22	.50	12.70	15/16	23.8	1.81	45.97	2.21	56.13	.96	24.4
767LT_5/8 X 1	5/8	15.87	1	25.40	.50	12.70	1 1/16	27.0	2.00	50.80	2.40	60.96	.96	24.4
767LT_3/4 X 1/2	3/4	19.05	1/2	12.70	.39	9.91	1 1/16	27.0	1.75	44.45	2.15	54.61	.96	24.4
767LT_3/4 X 1	3/4	19.05	1	25.40	.62	15.75	1 1/16	27.0	2.06	52.32	2.46	62.48	.96	24.4
767LT_1 X 1 1/4	1	25.40	*1 1/4	31.75	.88	22.35	1 3/8	34.9	2.69	68.33	3.17	80.52	1.23	31.2
767LT_1 X 1 1/2	1	25.40	*1 1/2	38.10	.88	22.35	1 5/8	41.3	3.03	76.96	3.51	89.15	1.23	31.2
767LT_1 1/4 X 1 1/2	1 1/4	31.75	*1 1/2	38.1	1.09	27.7	1 3/4	44.5	3.23	82.00	4.10	104.1	1.62	41.10

ASSEMBLY INSTRUCTIONS

Reducer tube to stub 767 LT

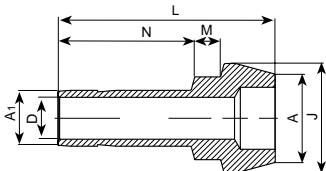


* Supplied assembled on tube stub end (A1) nut+front & back ferrule. Tighten the nut on the body 1/2 a turn with a wrench. low friction paste, see page 5.

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

767 LM REDUCING PORT CONNECTOR



CONNECTS TWO LET-LOK® PORTS (METRIC)

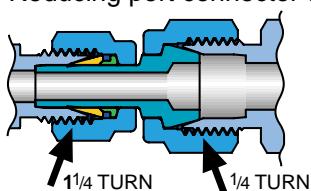
Ordering Information	A	A1	D	N	L	J	M
	Tube O.D.	Tube O.D.	mm	mm	mm	mm	mm
767LM_6 X 3	6	3	2.1	13.5	22.9	9.0	3.2
767LM_8 X 6	8	6	4.0	15.7	24.7	11.0	3.1
767LM_10 X 6	10	6	4.0	15.7	25.8	13.1	3.4
767LM_10 X 8	10	8	5.6	16.8	26.1	13.1	3.1
767LM_12 X 6	12	6	4.0	15.7	29.1	15.0	3.6
767LM_12 X 8	12	8	5.6	16.8	30.1	15.0	3.4
767LM_12 X 10	12	10	7.1	17.5	30.6	15.0	3.1
767LM_16X 12	16	12	8.8	23.1	37.5	19.0	3.4

CONNECTS TWO LET-LOK® PORTS (INCH)

Ordering Information	A	A1	D	N	L	J	M							
	Tube O.D.	Tube O.D.	in	mm	in	mm	in	mm						
767LM_1/8 X 1/16	1/8	3.17	1/16	1.58	.03	0.75	.34	8.64	.68	17.3	.24	6.10	.08	2.03
767LM_1/4 X 1/16	1/4	6.35	1/16	1.58	.03	0.75	.34	8.64	.71	18.0	.37	9.40	.14	3.55
767LM_1/4 X 1/8	1/4	6.35	1/8	3.17	.09	2.28	.53	13.46	.89	22.6	.37	9.40	.13	3.30
767LM_3/8 X 1/8	3/8	9.52	1/8	3.17	.09	2.20	.53	13.46	.91	23.2	.50	12.70	.15	3.81
767LM_3/8 X 1/4	3/8	9.52	1/4	6.35	.17	4.20	.62	15.75	.98	24.9	.50	12.70	.13	3.30
767LM_1/2 X 1/4	1/2	12.70	1/4	6.35	.17	4.20	.62	15.75	1.15	29.2	.62	15.75	.15	3.81
767LM_1/2 X 3/8	1/2	12.70	3/8	9.52	.28	7.10	.69	17.52	1.20	30.5	.62	15.75	.13	3.30
767LM_3/4 X 1/2	3/4	19.05	1/2	12.70	.39	9.90	.91	23.11	1.49	37.9	.87	22.10	.15	3.81

ASSEMBLY INSTRUCTIONS

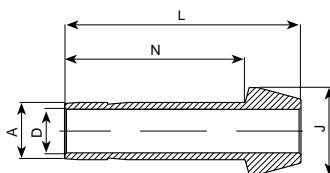
Reducing port connector 767LM



● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

767 LP PORT CONNECTOR



CONNECTS TWO LET-LOK® PORTS (METRIC)

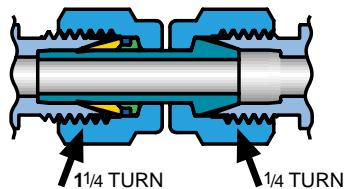
Ordering Information	A	D	N	L	J
	Tube O.D. mm	mm	mm	mm	mm
767LP_3	3	2.1	15.7	22.2	6.0
767LP_6	6	4.0	18.7	25.0	9.0
767LP_8	8	6.0	20.0	25.9	11.0
767LP_10	10	7.1	20.2	27.1	13.1
767LP_12	12	8.8	26.0	36.2	15.0
767LP_16	16	12.7	27.6	37.4	19.0
767LP_18	18	13.9	27.6	37.4	21.1

CONNECTS TWO LET-LOK® PORTS (INCH)

Ordering Information	A	D	N	L	J					
	Tube O.D. in	mm	in	mm	in	mm				
767LP_1/16	1/16	1.58	.03	0.75	.42	10.66	.54	13.7	.13	3.30
767LP_1/8	1/8	3.17	.09	2.20	.62	15.75	.88	22.4	.24	6.10
767LP_1/4	1/4	6.35	.17	4.20	.74	18.80	.98	24.9	.37	9.40
767LP_5/16	5/16	7.93	.24	6.00	.79	20.06	1.02	25.9	.43	10.92
767LP_3/8	3/8	9.52	.30	7.60	.80	20.32	1.03	26.2	.50	12.70
767LP_1/2	1/2	12.70	.39	9.90	1.02	25.90	1.41	35.8	.62	15.75
767LP_3/4	3/4	19.05	.59	15.00	1.09	27.68	1.47	37.3	.87	22.10
767LP_1	1	25.40	.80	20.30	1.36	34.54	1.90	48.1	1.12	28.45

ASSEMBLY INSTRUCTIONS

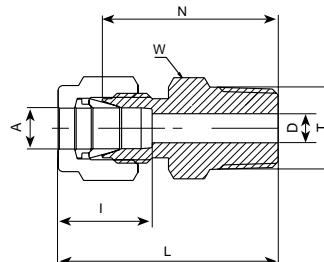
Port connector 767LP



• "D" - Dimension is minimum opening. • Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

768 L MALE CONNECTOR



TUBE (METRIC) MALE NPT THREAD

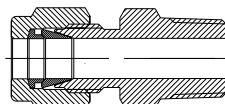
Ordering Information	A	T	D	W	N	L	I
	Tube O.D.	(NPT)	mm	mm	mm	mm	mm
768L_3 X 1/8	3	1/8	2.4	12	23.9	30.5	12.9
768L_3 X 1/4	3	1/4	2.4	14	29.0	35.6	12.9
768L_4 X 1/8	4	1/8	2.4	12	24.6	31.2	13.7
768L_4 X 1/4	4	1/4	2.4	14	29.7	36.3	13.7
768L_6 X 1/8	6	1/8	4.8	14	25.4	32.8	15.3
768L_6 X 1/4	6	1/4	4.8	14	30.5	37.9	15.3
768L_6 X 3/8	6	3/8	4.8	18	31.0	38.4	15.3
768L_6 X 1/2	6	1/2	4.8	22	37.3	44.7	15.3
768L_8 X 1/8	8	1/8	4.8	15	26.7	34.2	16.2
768L_8 X 1/4	8	1/4	6.4	15	31.2	38.7	16.2
768L_8 X 3/8	8	3/8	6.4	18	31.8	39.3	16.2
768L_8 X 1/2	8	1/2	6.4	22	31.8	45.6	16.2
768L_10 X 1/8	10	1/8	4.8	18	28.7	36.3	17.2
768L_10 X 1/4	10	1/4	7.9	18	33.3	40.9	17.2
768L_10 X 3/8	10	3/8	7.9	18	33.3	40.9	17.2
768L_10 X 1/2	10	1/2	7.9	22	38.1	46.5	17.2
768L_10 X 3/4	10	3/4	7.9	27	40.4	48.0	17.2
768L_12 X 1/8	12	1/8	4.8	22	28.7	38.8	22.8
768L_12 X 1/4	12	1/4	7.1	22	33.3	43.4	22.8
768L_12 X 3/8	12	3/8	9.5	22	33.3	43.4	22.8
768L_12 X 1/2	12	1/2	9.5	22	30.9	49.0	22.8
768L_12 X 3/4	12	3/4	9.5	27	40.4	50.5	22.8
768L_14 X 1/4	14	1/4	7.1	24	34.0	44.1	24.4
768L_14 X 3/8	14	3/8	9.5	24	34.0	44.1	24.4
768L_14 X 1/2	14	1/2	11.1	24	38.9	49.0	24.4
768L_15 X 1/2	15	1/2	11.9	24	38.9	49.0	24.4
768L_16 X 3/8	16	3/8	9.5	24	34.0	44.1	24.4
768L_16 X 1/2	16	1/2	11.9	24	38.9	49.0	24.4
768L_16 X 3/4	16	3/4	12.7	27	40.4	50.5	24.4
768L_18 X 1/2	18	1/2	11.9	27	40.4	50.5	24.4
768L_18 X 3/4	18	3/4	15.1	27	40.4	50.5	24.4
768L_20 X 1/2	20	1/2	11.9	30	42.2	52.3	26.0
768L_20 X 3/4	20	3/4	15.9	30	42.2	52.3	26.0
768L_22 X 3/4	22	3/4	15.9	30	42.2	52.3	26.0
768L_22 X 1	22	1	18.3	35	47.0	57.1	26.0
768L_25 X 1/2	25	1/2	11.9	35	45.2	57.5	31.3
768L_25 X 3/4	25	3/4	15.9	35	45.2	57.5	31.3
768L_25 X 1	25	1	21.8	35	50.0	62.3	31.3

THERMOCOUPLE - CONNECTORS - ORDERING INFORMATION

Thermoelement

For ordering : use catalog number of the selected fitting and add the suffix TC.

Example: 768 L ss 1/4 x 1/4 TC

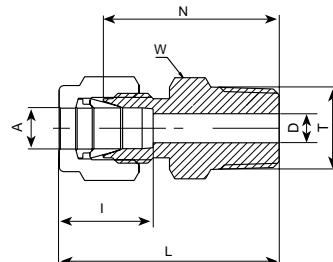


● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

For inches, see next page

LET-LOK TUBE FITTINGS

768 L MALE CONNECTOR (Cont'd)



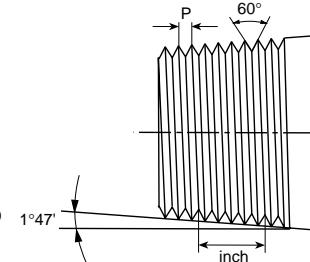
TUBE (INCH) MALE NPT THREAD

Ordering Information	A		T		D		W		N		L		I	
	Tube O.D.		(NPT)				Hex. Flat							
	in	mm		in	mm		in	mm		in	mm		in	mm
768L_ 1/16 X 1/16	1/16	1.58	1/16	.05	1.27	5/16	7.9	.79	21.10	.94	23.88	.34	.34	8.6
768L_ 1/16 X 1/8	1/16	1.58	1/8	.05	1.27	7/16	11.1	.88	22.35	1.03	26.10	.34	.34	8.6
768L_ 1/8 X 1/16	1/8	3.17	1/16	.09	2.28	7/16	11.1	.91	23.11	1.17	29.71	.50	.50	12.7
768L_ 1/8 X 1/8	1/8	3.17	1/8	.09	2.28	7/16	11.1	.94	23.90	1.20	30.48	.50	.50	12.7
768L_ 1/8 X 1/4	1/8	3.17	1/4	.09	2.28	9/16	14.3	1.14	28.95	1.40	35.56	.50	.50	12.7
768L_ 3/16 X 1/8	3/16	4.76	1/8	.12	3.04	7/16	11.1	.97	24.53	1.23	31.24	.54	.54	13.7
768L_ 3/16 X 1/4	3/16	4.76	1/4	.12	3.04	9/16	14.3	1.17	29.72	1.43	36.32	.54	.54	13.7
768L_ 1/4 X 1/16	1/4	6.35	1/16	.12	3.04	1/2	12.7	1.00	25.40	1.29	32.76	.60	.60	15.2
768L_ 1/4 X 1/8	1/4	6.35	1/8	.19	4.82	1/2	12.7	1.00	25.40	1.29	32.76	.60	.60	15.2
768L_ 1/4 X 1/4	1/4	6.35	1/4	.19	4.82	9/16	14.3	1.20	30.50	1.49	37.85	.60	.60	15.2
768L_ 1/4 X 3/8	1/4	6.35	3/8	.19	4.82	11/16	17.5	1.22	30.78	1.51	38.35	.60	.60	15.2
768L_ 1/4 X 1/2	1/4	6.35	1/2	.19	4.82	7/8	22.2	1.47	37.34	1.76	44.70	.60	.60	15.2
768L_ 5/16 X 1/8	5/16	7.93	1/8	.19	4.82	9/16	14.3	1.05	26.67	1.34	34.03	.64	.64	16.2
768L_ 5/16 X 1/4	5/16	7.93	1/4	.25	6.35	9/16	14.3	1.23	31.24	1.52	38.60	.64	.64	16.2
768L_ 3/8 X 1/8	3/8	9.52	1/8	.19	4.82	5/8	15.9	1.10	27.90	1.39	35.30	.66	.66	16.8
768L_ 3/8 X 1/4	3/8	9.52	1/4	.28	7.11	5/8	15.9	1.28	32.51	1.57	39.87	.66	.66	16.8
768L_ 3/8 X 3/8	3/8	9.52	3/8	.28	7.11	11/16	17.5	1.28	32.51	1.57	39.87	.66	.66	16.8
768L_ 3/8 X 1/2	3/8	9.52	1/2	.28	7.11	7/8	22.2	1.52	38.90	1.82	46.23	.66	.66	16.8
768L_ 3/8 X 3/4	3/8	9.52	3/4	.28	7.11	1 1/16	27.0	1.59	40.38	1.88	47.75	.66	.66	16.8
768L_ 1/2 X 1/8	1/2	12.70	1/8	.19	4.82	13/16	20.6	1.13	28.70	1.53	38.86	.90	.90	22.9
768L_ 1/2 X 1/4	1/2	12.70	1/4	.28	7.11	13/16	20.6	1.31	33.27	1.71	43.43	.90	.90	22.9
768L_ 1/2 X 3/8	1/2	12.70	3/8	.38	9.65	13/16	20.6	1.31	33.27	1.71	43.43	.90	.90	22.9
768L_ 1/2 X 1/2	1/2	12.70	1/2	.41	10.41	7/8	22.2	1.53	38.90	1.93	49.02	.90	.90	22.9
768L_ 1/2 X 3/4	1/2	12.70	3/4	.41	10.41	1 1/16	27.0	1.59	40.38	1.99	50.54	.90	.90	22.9
768L_ 1/2 X 1	1/2	12.70	1	.41	10.41	1 3/8	34.9	1.85	47.00	2.25	57.15	.90	.90	22.9
768L_ 5/8 X 3/8	5/8	15.87	3/8	.38	9.65	15/16	23.8	1.34	34.03	1.74	44.19	.96	.96	24.4
768L_ 5/8 X 1/2	5/8	15.87	1/2	.47	11.90	15/16	23.8	1.53	38.86	1.93	49.02	.96	.96	24.4
768L_ 5/8 X 3/4	5/8	15.87	3/4	.50	12.70	1 1/16	27.0	1.59	40.38	1.99	50.54	.96	.96	24.4
768L_ 3/4 X 1/2	3/4	19.05	1/2	.50	12.70	1 1/16	27.0	1.59	40.38	1.99	50.54	.96	.96	24.4
768L_ 3/4 X 3/4	3/4	19.05	3/4	.62	15.74	1 1/16	27.0	1.59	40.38	1.99	50.54	.96	.96	24.4
768L_ 3/4 X 1	3/4	19.05	1	.62	15.74	1 3/8	34.9	1.85	47.00	2.25	57.15	.96	.96	24.4
768L_ 7/8 X 3/4	7/8	22.22	3/4	.72	18.28	1 3/16	30.2	1.59	40.38	1.99	50.54	1.02	1.02	25.9
768L_ 1 X 3/4	1	25.40	3/4	.72	18.28	1 3/8	34.9	1.78	45.21	2.26	57.40	1.23	1.23	31.2
768L_ 1 X 1	1	25.40	1	.88	22.35	1 3/8	34.9	1.97	50.03	2.45	62.23	1.23	1.23	31.2

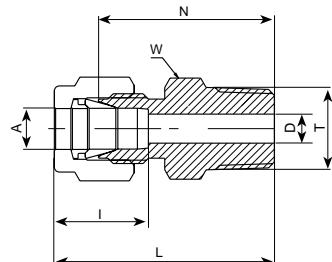
Reference Specifications:

- 60° Thread angle
- Pitch measured in inches
- Truncation of root and crest are flat
- Taper angle 1° 47'

American Standard Pipe Thread (NPT).
NPT (National Pipe Tapered) is made to specifications outlined in ASNI B1.20.1.



● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

**768 LR
MALE CONNECTOR**

TUBE (METRIC) ISO TAPERED THREAD

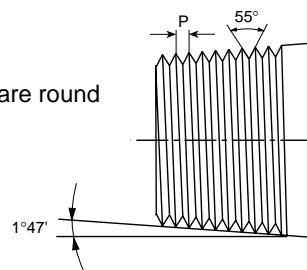
Ordering Information	A	T	D	W	N	L	I
	Tube O.D.	(ISO)		Hex. Flat			
	mm	in	mm	mm	mm	mm	mm
768LR _ 2 X 1/8	2	R-1/8	1.7	12	23.9	30.5	12.9
768LR _ 3 X 1/8	3	R-1/8	2.4	12	23.9	30.5	12.9
768LR _ 3 X 1/4	3	R-1/4	2.4	14	29.0	35.6	12.9
768LR _ 4 X 1/8	4	R-1/8	2.4	12	24.6	31.2	13.7
768LR _ 4 X 1/4	4	R-1/4	2.4	14	29.7	36.3	13.7
768LR _ 6 X 1/8	6	R-1/8	4.8	14	25.4	32.8	15.3
768LR _ 6 X 1/4	6	R-1/4	4.8	14	30.5	37.9	15.3
768LR _ 6 X 3/8	6	R-3/8	4.8	18	31.0	38.4	15.3
768LR _ 6 X 1/2	6	R-1/2	4.8	22	37.3	44.7	15.3
768LR _ 8 X 1/8	8	R-1/8	4.8	15	26.7	34.2	16.2
768LR _ 8 X 1/4	8	R-1/4	6.4	15	31.2	38.7	16.2
768LR _ 8 X 3/8	8	R-3/8	6.4	18	31.8	39.2	16.2
768LR _ 8 X 1/2	8	R-1/2	6.4	22	38.1	45.6	16.2
768LR _ 10 X 1/8	10	R-1/8	4.8	18	28.7	36.3	17.2
768LR _ 10 X 1/4	10	R-1/4	7.9	18	33.3	40.9	17.2
768LR _ 10 X 3/8	10	R-3/8	7.9	18	33.3	40.9	17.2
768LR _ 10 X 1/2	10	R-1/2	7.9	22	38.9	46.5	17.2
768LR _ 12 X 1/4	12	R-1/4	7.1	22	33.3	43.4	22.8
768LR _ 12 X 3/8	12	R-3/8	9.5	22	33.3	43.4	22.8
768LR _ 12 X 1/2	12	R-1/2	9.5	22	38.9	49.0	22.8
768LR _ 12 X 3/4	12	R-3/4	9.5	27	40.4	50.5	22.8
768LR _ 15 X 1/2	15	R-1/2	11.9	24	38.9	49.0	24.4
768LR _ 16 X 1/4	16	R-1/4	7.1	24	34.0	44.1	24.4
768LR _ 16 X 3/8	16	R-3/8	9.5	24	34.0	44.1	24.4
768LR _ 16 X 1/2	16	R-1/2	11.9	24	38.9	49.0	24.4
768LR _ 16 X 3/4	16	R-3/4	12.7	27	40.4	50.5	24.4
768LR _ 18 X 1/2	18	R-1/2	11.9	27	40.4	50.5	24.4
768LR _ 18 X 3/4	18	R-3/4	15.1	27	40.4	50.5	24.4
768LR _ 20 X 1/2	20	R-1/2	11.9	30	42.2	52.3	26.0
768LR _ 20 X 3/4	20	R-3/4	15.9	30	42.2	52.3	26.0
768LR _ 22 X 3/4	22	R-3/4	15.9	30	42.2	52.3	26.0
768LR _ 22 X 1	22	R-1	18.3	35	47.0	57.1	26.0
768LR _ 25 X 3/4	25	R-3/4	15.9	35	45.2	57.5	31.3
768LR _ 25 X 1	25	R-1	21.8	35	50.0	62.3	31.3

Reference Specifications:

DIN - ISO 2999
 BS - 21
 JIS - B0203
 ISO - 7/1-BSP-T

Designation:
 Marking LR on Hex.

- 55° Thread angle
- Truncation of root and crest are round
- Taper angle 1°47'

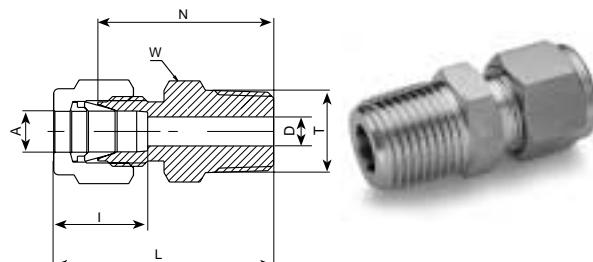


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For inches, see next page

LET-LOK TUBE FITTINGS

768 LR MALE CONNECTOR (Cont'd)



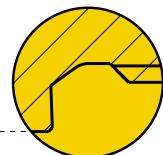
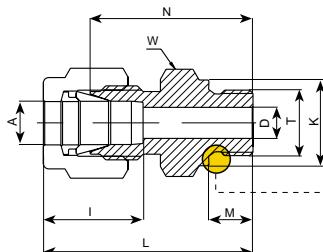
TUBE (INCH) ISO TAPERED THREAD

Ordering Information	A		T	D		W		N		L		I	
	in	mm		in	mm	in	mm	in	mm	in	mm	in	mm
768LR SS 1/8 X 1/8	1/8	3.17	R-1/8	0.09	2.28	7/16	11.1	0.94	23.90	1.20	30.48	0.50	12.70
768LR SS 1/8 X 1/4	1/8	3.17	R-1/4	0.09	2.28	9/16	14.3	1.14	28.95	1.40	35.56	0.50	12.70
768LR SS 1/4 X 1/8	1/4	6.35	R-1/8	0.19	4.82	1/2	12.7	1.00	25.40	1.29	32.76	0.60	15.20
768LR SS 1/4 X 1/4	1/4	6.35	R-1/4	0.19	4.82	9/16	14.3	1.20	30.50	1.49	37.85	0.60	15.20
768LR SS 1/4 X 3/8	1/4	6.35	R-3/8	0.19	4.82	11/16	17.5	1.21	30.78	1.51	38.35	0.60	15.20
768LR SS 1/4 X 1/2	1/4	6.35	R-1/2	0.19	4.82	7/8	22.2	1.47	37.34	1.76	44.70	0.60	15.20
768LR SS 5/16 X 1/8	5/16	7.93	R-1/8	0.19	4.82	9/16	14.3	1.05	26.67	1.34	34.03	0.64	16.20
768LR SS 5/16 X 1/4	5/16	7.93	R-1/4	0.25	6.35	9/16	14.3	1.23	31.24	1.52	38.60	0.64	16.20
768LR SS 3/8 X 1/8	3/8	9.52	R-1/8	0.19	4.82	5/8	15.9	1.10	27.90	1.39	35.30	0.66	16.80
768LR SS 3/8 X 1/4	3/8	9.52	R-1/4	0.28	7.11	5/8	15.9	1.28	32.51	1.57	39.87	0.66	16.80
768LR SS 3/8 X 3/8	3/8	9.52	R-3/8	0.28	7.11	11/16	17.5	1.28	32.51	1.57	39.87	0.66	16.80
768LR SS 3/8 X 1/2	3/8	9.52	R-1/2	0.28	7.11	7/8	22.2	1.53	38.90	1.82	46.23	0.66	16.80
768LR SS 1/2 X 1/4	1/2	12.70	R-1/4	0.28	7.11	13/16	20.6	1.31	33.27	1.71	43.43	0.90	22.90
768LR SS 1/2 X 3/8	1/2	12.70	R-3/8	0.38	9.65	13/16	20.6	1.31	33.27	1.71	43.43	0.90	22.90
768LR SS 1/2 X 1/2	1/2	12.70	R-1/2	0.41	10.41	7/8	22.2	1.53	38.90	1.93	49.02	0.90	22.90
768LR SS 1/2 X 3/4	1/2	12.70	R-3/4	0.41	10.41	1 1/16	27.0	1.59	40.38	1.99	50.54	0.90	22.90
768LR SS 3/4 X 3/4	3/4	19.05	R-3/4	0.62	15.74	1 1/16	27.0	1.59	40.38	1.99	50.54	0.96	24.40
768LR SS 1 X 1	1	25.40	R-1	0.88	22.35	1 3/8	34.9	1.97	50.03	2.45	62.23	1.23	31.20

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LET-LOK TUBE FITTINGS

768 LG MALE CONNECTOR



TUBE (METRIC) ISO PARALLEL THREAD

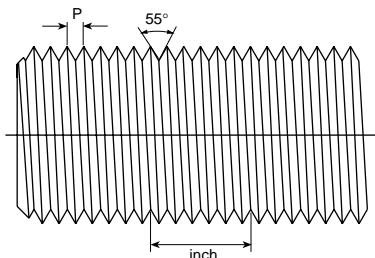
Ordering Information	A	T	D	K	W	N	M	L	I
	Tube O.D. mm	(P-ISO) in	mm	mm	mm	mm	mm	mm	mm
768LG_2 X 1/8	2	G-1/8	1.7	13.8	14	23.4	7.1	30.0	12.9
768LG_3 X 1/8	3	G-1/8	2.4	13.8	14	23.4	7.1	30.0	12.9
768LG_3 X 1/4	3	G-1/4	2.4	18.0	19	28.7	11.2	35.3	12.9
768LG_4 X 1/8	4	G-1/8	2.4	13.8	14	24.1	7.1	30.7	13.7
768LG_6 X 1/8	6	G-1/8	4.0	13.8	14	24.9	7.1	24.9	15.3
768LG_6 X 1/4	6	G-1/4	4.8	18.0	19	30.2	11.2	37.6	15.3
768LG_6 X 3/8	6	G-3/8	4.8	21.8	22	31.5	11.2	38.9	15.3
768LG_6 X 1/2	6	G-1/2	4.8	26.0	27	37.3	14.2	44.7	15.3
768LG_8 X 1/8	8	G-1/8	4.0	13.8	15	25.7	7.1	33.2	16.2
768LG_8 X 1/4	8	G-1/4	6.4	13.8	19	31.0	11.2	38.5	16.2
768LG_8 X 3/8	8	G-3/8	6.4	21.8	22	32.3	11.2	39.8	16.2
768LG_8 X 1/2	8	G-1/2	6.4	26.0	27	38.1	14.2	45.6	16.2
768LG_10 X 1/4	10	G-1/4	5.9	18.0	19	31.8	11.2	39.4	17.2
768LG_10 X 3/8	10	G-3/8	7.9	21.8	22	33.0	11.2	40.6	17.2
768LG_10 X 1/2	10	G-1/2	7.9	26.0	27	38.9	14.2	46.5	17.2
768LG_12 X 1/4	12	G-1/4	5.9	18.0	22	32.5	11.2	42.6	22.8
768LG_12 X 3/8	12	G-3/8	7.9	21.8	22	33.0	11.2	43.1	22.8
768LG_12 X 1/2	12	G-1/2	9.5	26.0	27	38.9	14.2	49.0	22.8
768LG_12 X 3/4	12	G-3/4	9.5	32.0	35	42.7	15.7	52.8	22.8
768LG_16 X 3/8	16	G-3/8	7.9	21.8	24	33.8	11.2	43.9	24.4
768LG_16 X 1/2	16	G-1/2	11.9	26.0	27	38.9	14.2	49.0	24.4
768LG_18 X 1/2	18	G-1/2	11.9	26.0	27	38.9	14.2	49.0	24.4
768LG_18 X 3/4	18	G-3/4	15.1	32.0	35	42.7	15.7	52.8	24.4
768LG_20 X 1/2	20	G-1/2	11.9	26.0	30	40.4	14.2	50.5	26.0
768LG_20 X 3/4	20	G-3/4	15.9	32.0	35	42.7	15.7	52.8	26.0
768LG_22 X 3/4	22	G-3/4	15.9	32.0	35	42.7	15.7	52.8	26.0
768LG_22 X 1	22	G-1	18.3	39.0	41	45.2	18.3	55.3	26.0
768LG_25 X 3/4	25	G-3/4	15.9	32.0	35	45.2	15.7	57.5	31.3
768LG_25 X 1	25	G-1	19.8	39.0	41	47.8	18.3	60.1	31.3

Reference Specifications:

DIN - ISO 228/1
BS - 2779
JIS - B0202
ISO - 228/1-BSP-P

- 55° Thread angle
- Pitch measured in inches
- Truncation of root and crest are round
- Diameter measured in inches

Designation:
Marking LG on Hex.

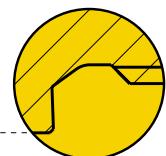
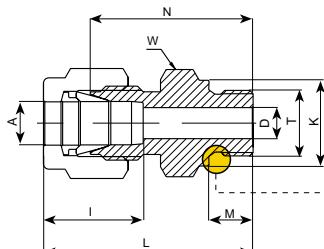


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For inches, see next page

LET-LOK TUBE FITTINGS

768 LG
MALE CONNECTOR (Cont'd)



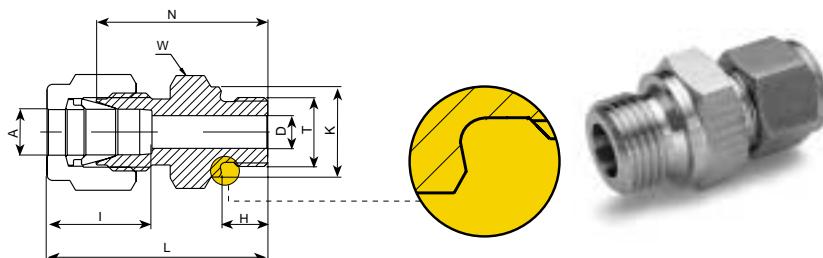
TUBE (INCH) ISO PARALLEL THREAD

Ordering Information	A		T		D		K		W		N		M		L		I	
	Tube O.D. (P-ISO)		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
768LG _ 1/8 X 1/8	1/8	3.17	1/8	3.17	0.09	2.30	0.54	13.80	9/16	14.3	0.92	23.40	0.28	7.10	1.18	30.00	0.50	12.70
768LG _ 1/8 X 1/4	1/8	3.17	1/4	6.35	0.09	2.30	0.71	18.00	3/4	19.1	1.13	28.70	0.44	11.20	1.39	35.30	0.50	12.70
768LG _ 1/8 X 3/8	1/8	3.17	3/8	9.52	0.09	2.30	0.86	21.80	7/8	22.2	1.17	29.72	0.44	11.20	1.46	37.00	0.50	12.70
768LG _ 1/8 X 1/2	1/8	3.17	1/2	12.70	0.09	2.30	1.02	26.00	1 1/16	27.0	1.40	35.70	0.56	14.20	1.69	43.00	0.50	12.70
768LG _ 3/16 X 1/8	3/16	4.76	1/8	3.17	0.12	3.10	0.54	13.80	9/16	14.3	0.95	24.10	0.28	7.10	1.20	30.70	0.54	13.75
768LG _ 1/4 X 1/8	1/4	6.35	1/8	3.17	0.16	4.10	0.54	13.80	9/16	14.3	0.98	24.90	0.28	7.10	1.27	32.26	0.60	15.24
768LG _ 1/4 X 1/4	1/4	6.35	1/4	6.35	0.19	4.80	0.71	18.00	3/4	19.1	1.19	30.20	0.44	11.20	1.48	37.60	0.60	15.24
768LG _ 1/4 X 3/8	1/4	6.35	3/8	9.52	0.19	4.80	0.86	21.80	7/8	22.2	1.24	31.50	0.44	11.20	1.53	38.86	0.60	15.24
768LG _ 1/4 X 1/2	1/4	6.35	1/2	12.70	0.19	4.80	1.02	26.00	1 1/16	27.0	1.47	37.30	0.56	14.20	1.76	44.70	0.60	15.24
768LG _ 5/16 X 1/4	5/16	7.93	1/4	6.35	0.25	6.40	0.71	18.00	3/4	19.1	1.22	31.00	0.44	11.20	1.51	38.36	0.63	16.11
768LG _ 5/16 X 3/8	5/16	7.93	3/8	9.52	0.25	6.40	0.86	21.80	7/8	22.2	1.27	32.30	0.44	11.20	1.56	39.66	0.63	16.11
768LG _ 3/8 X 1/4	3/8	9.52	1/4	6.35	0.23	5.80	0.71	18.00	3/4	19.1	1.25	31.75	0.44	11.20	1.54	39.11	0.66	16.76
768LG _ 3/8 X 3/8	3/8	9.52	3/8	9.52	0.28	7.10	0.86	21.80	7/8	22.2	1.30	33.00	0.44	11.20	1.59	40.40	0.66	16.76
768LG _ 3/8 X 1/2	3/8	9.52	1/2	12.70	0.28	7.10	1.02	26.00	1 1/16	27.0	1.53	38.86	0.56	14.20	1.82	46.22	0.66	16.76
768LG _ 1/2 X 1/4	1/2	12.70	1/4	6.35	0.23	5.80	0.71	18.00	13/16	20.6	1.28	32.50	0.44	11.20	1.68	42.67	0.90	22.86
768LG _ 1/2 X 3/8	1/2	12.70	3/8	9.52	0.31	7.90	0.86	21.80	7/8	22.2	1.30	33.00	0.44	11.20	1.70	43.18	0.90	22.86
768LG _ 1/2 X 1/2	1/2	12.70	1/2	12.70	0.41	10.40	1.02	26.00	1 1/16	27.0	1.47	37.40	0.56	14.20	1.93	49.00	0.90	22.86
768LG _ 1/2 X 3/4	1/2	12.70	3/4	19.05	0.41	10.40	1.26	32.00	1 5/16	33.3	1.68	42.70	0.62	15.70	2.08	52.86	0.90	22.86
768LG _ 5/8 X 3/8	5/8	15.87	3/8	9.52	0.31	7.90	0.86	21.80		24.0	1.33	33.80	0.44	11.20	1.73	43.96	0.96	24.38
768LG _ 5/8 X 1/2	5/8	15.87	1/2	12.70	0.47	11.90	1.02	26.00	1 1/16	27.0	1.53	38.90	0.56	14.20	1.93	49.10	0.96	24.38
768LG _ 3/4 X 1/2	3/4	19.05	1/2	12.70	0.47	11.90	1.02	26.00	1 1/16	27.0	1.53	38.86	0.56	14.20	1.93	49.00	0.96	24.38
768LG _ 3/4 X 3/4	3/4	19.05	3/4	19.05	0.62	15.80	1.26	32.00	1 5/16	33.3	1.68	42.70	0.62	15.70	2.08	52.83	0.96	24.38
768LG _ 1 X 1/2	1	25.40	1/2	12.70	0.47	11.90	1.02	26.00	1 3/8	34.9	1.72	43.70	0.56	14.20	2.20	55.80	1.23	31.24
768LG _ 1 X 3/4	1	25.40	3/4	19.05	0.62	15.90	1.26	32.00	1 3/8	34.9	1.78	45.20	0.62	15.70	2.65	67.30	1.23	31.24
768LG _ 1 X 1	1	25.40	1	25.40	0.78	19.80	1.54	39.00	1 5/8	41.3	1.88	47.80	0.72	18.30	2.36	59.94	1.23	31.24

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

768 LOK MALE CONNECTOR



ISO PARALLEL THREAD

Ordering Information	A Tube O.D.	T (P-ISO)	D	K	W Hex. Flat	N	H	L	I
	mm	in	mm	mm	mm	mm	mm	mm	mm
768LOK_3 X 1/8	3	G-1/8A	2.4	13.8	14	23.4	7.1	30.0	12.9
768LOK_3 X 1/4	3	G-1/4A	2.4	18.0	19	28.7	11.2	35.3	12.9
768LOK_4 X 1/8	4	G-1/8A	2.4	13.8	14	24.1	7.1	30.7	13.7
768LOK_6 X 1/8	6	G-1/8A	4.0	13.8	14	24.9	7.1	32.3	15.3
768LOK_6 X 1/4	6	G-1/4A	4.8	18.0	19	30.2	11.2	37.6	15.3
768LOK_6 X 3/8	6	G-3/8A	4.8	21.8	22	31.5	11.2	38.9	15.3
768LOK_6 X 1/2	6	G-1/2A	4.8	26.0	27	37.3	14.2	44.7	15.3
768LOK_8 X 1/8	8	G-1/8A	4.0	13.8	15	25.7	7.1	33.2	16.2
768LOK_8 X 1/4	8	G-1/4A	6.4	18.0	19	31.0	11.2	38.5	16.2
768LOK_8 X 3/8	8	G-3/8A	6.4	21.8	22	32.3	11.2	39.8	16.2
768LOK_8 X 1/2	8	G-1/2A	6.4	26.0	27	38.1	14.2	45.6	16.2
768LOK_10 X 1/4	10	G-1/4A	5.9	18.0	19	31.8	11.2	39.4	17.2
768LOK_10 X 3/8	10	G-3/8A	7.9	21.8	22	33.0	11.2	40.6	17.2
768LOK_10 X 1/2	10	G-1/2A	7.9	26.0	27	38.9	14.2	46.5	19.5
768LOK_12 X 1/4	12	G-1/4A	5.9	18.0	22	32.5	11.2	42.6	17.2
768LOK_12 X 3/8	12	G-3/8A	7.9	21.8	22	33.0	11.2	43.1	22.8
768LOK_12 X 1/2	12	G-1/2A	9.5	26.0	27	38.9	14.2	49.0	22.8
768LOK_12 X 3/4	12	G-3/4A	9.5	32.0	35	42.7	15.7	52.8	22.8
768LOK_15 X 1/2	15	G-1/2A	11.9	26.0	27	38.9	14.2	49.0	22.8
768LOK_16 X 3/8	16	G-3/8A	7.9	21.8	24	33.8	11.2	43.9	22.4
768LOK_16 X 1/2	16	G-1/2A	11.9	26.0	27	38.9	14.2	49.0	22.4
768LOK_18 X 1/2	18	G-1/2A	11.9	26.0	27	38.9	14.2	49.0	22.4
768LOK_18 X 3/4	18	G-3/4A	15.1	32.0	35	42.7	15.7	52.8	22.4
768LOK_20 X 1/2	20	G-1/2A	11.9	26.0	30	40.4	14.2	50.5	26.0
768LOK_20 X 3/4	20	G-3/4A	15.9	32.0	35	42.7	15.7	52.8	26.0
768LOK_22 X 3/4	22	G-3/4A	15.9	32.0	35	42.7	15.7	52.8	26.0
768LOK_22 X 1	22	G-1A	18.3	39.0	40	45.2	18.3	55.3	26.0
768LOK_25 X 3/4	25	G-3/4A	15.9	32.0	35	45.2	15.7	57.5	31.3
768LOK_25 X 1	25	G-1A	19.8	39.0	40	47.8	18.3	60.1	31.3

Reference Specifications:

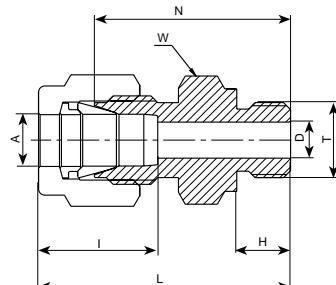
DIN - ISO 228/1
 BS - 2779
 JIS - B0202
 ISO - 228/1-BSP-P

Designation:
 Marking LOK on Hex.

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

768 LOB MALE CONNECTOR



SAE/MS STRAIGHT THREAD BOSS*

Ordering Information	A		T		D		W		N		H		L		I		O-ring**
	Tube O.D. in	mm	Straight Thread UN in	mm	Hex. Flat in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
768LOB_1/8 X 5/16-24	.18	3.17	5/16-24	.09	2.28	7/16	11.1	.92	23.37	.30	7.62	1.18	29.97	0.50	12.7	-902	
768LOB_1/4 X 7/16-20	.25	6.35	7/16-20	.19	4.82	9/16	14.3	1.05	26.67	.36	9.14	1.34	34.03	0.60	15.2	-904	
768LOB_1/4 X 9/16-18	.25	6.35	9/16-18	.19	4.82	11/16	17.5	1.11	28.19	.39	9.90	1.40	35.56	0.60	15.2	-906	
768LOB_1/4 X 3/4-16	.25	6.35	3/4-16	.19	4.82	7/8	22.2	1.19	30.20	.44	11.17	1.48	37.59	0.60	15.2	-908	
768LOB_1/4 X 7/8-14	.25	6.35	7/8-14	.19	4.82	1	25.4	1.31	33.27	.50	12.70	1.60	40.64	0.60	15.2	-910	
768LOB_5/16 X 1/2-20	.31	7.93	1/2-20	.25	6.40	5/8	15.9	1.08	27.43	.36	9.14	1.37	34.80	0.64	16.2	-905	
768LOB_3/8 X 7/16-20	.38	9.52	7/16-20	.20	5.10	5/8	15.9	1.11	28.19	.36	9.14	1.40	35.56	0.66	16.8	-904	
768LOB_3/8 X 9/16-18	.38	9.52	9/16-18	.28	7.11	11/16	17.5	1.17	29.71	.39	9.90	1.46	37.02	0.66	16.8	-906	
768LOB_3/8 X 3/4-16	.38	9.52	3/4-16	.28	7.11	7/8	22.2	1.25	31.75	.44	11.17	1.54	39.11	0.66	16.8	-908	
768LOB_3/8 X 7/8-14	.38	9.52	7/8-14	.28	7.11	1	25.4	1.37	34.80	.50	12.70	1.66	42.16	0.66	16.8	-910	
768LOB_1/2 X 9/16-18	.50	12.70	9/16-18	.28	7.11	13/16	20.6	1.14	28.95	.39	9.90	1.54	39.11	0.90	22.9	-906	
768LOB_1/2 X 3/4-16	.50	12.70	3/4-16	.41	10.41	7/8	22.2	1.25	31.75	.44	11.17	1.65	41.91	0.90	22.9	-908	
768LOB_1/2 X 7/8-14	.50	12.70	7/8-14	.41	10.41	1	25.4	1.37	34.80	.50	12.70	1.77	44.96	0.90	22.9	-910	
768LOB_1/2 X 1 1/16-12	.50	12.70	1 1/16-12	.41	10.41	1 1/4	31.8	1.53	38.86	.59	14.98	1.93	49.02	0.90	22.9	-912	
768LOB_5/8 X 3/4-16	.58	15.87	3/4-16	.42	10.66	15/16	23.8	1.25	31.75	.44	11.17	1.65	41.91	0.96	22.4	-908	
768LOB_5/8 X 7/8-14	.58	15.87	7/8-14	.50	12.70	1	25.4	1.38	35.05	.50	12.70	1.78	45.21	0.96	22.4	-910	
768LOB_3/4 X 3/4-16	.58	15.87	3/4-16	.42	10.66	1 1/16	27.0	1.41	35.81	.44	11.17	1.81	46.0	0.96	22.4	-908	
768LOB_3/4 X 1 1/16-12	.58	15.87	1 1/16-12	.62	15.74	1 1/4	31.8	1.53	38.86	.59	14.98	1.93	49.02	0.96	22.4	-912	
768LOB_7/8 X 1 3/16-12	.78	22.22	1 3/16-12	.72	18.29	1 3/8	34.9	1.53	38.86	.59	14.98	1.93	49.02	1.02	25.9	-914	
768LOB_1 X 1 1/16-12	1	25.40	1 1/16-12	.66	16.76	1 3/8	34.9	1.62	41.20	.59	14.98	2.10	53.34	1.23	31.2	-912	
768LOB_1 X 1 5/16-12	1	25.40	1 5/16-12	.88	22.35	1 1/2	38.1	1.66	42.16	.59	14.98	2.14	54.35	1.23	31.2	-916	

Designation:
Marking LOB on Hex.

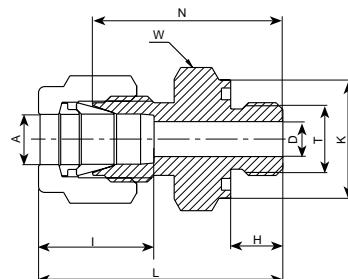
● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

* Per SAE J1926 and MS 16142. See page 60 for mounting dimensions.

** O-rings used are Viton 90 Durometer. Other O-ring materials are available on request. For more technical information, see page 60.

LET-LOK TUBE FITTINGS

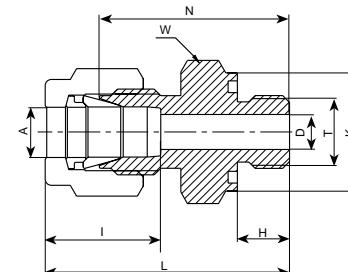
768 LOP MALE CONNECTOR



O-SEAL NPT TAPERED THREAD

Ordering Information	A		T		D		K		W		N		H		L		I		O-ring***
	Tube O.D.		(NPT) Short						Hex. Flat										
	in	mm		in	mm		in	mm		in	mm		in	mm		in	mm		
768LOP_1/8 X 1/8	1/8	3.17	1/8	.09	2.28	.74	18.79	3/4	19.1	1.03	26.16	.28	7.11	1.29	32.76	.50	12.70	-111	
768LOP_1/4 X 1/8	1/4	6.35	1/8	.19	4.82	.74	18.79	3/4	19.1	1.09	27.70	.28	7.11	1.38	35.05	.60	15.24	-111	
768LOP_1/4 X 1/4	1/4	6.35	1/4	.19	4.82	.93	23.62	15/16	23.8	1.22	31.00	.38	9.65	1.51	38.40	.60	15.24	-113	
768LOP_3/8 X 1/4	3/8	9.52	1/4	.28	7.11	.93	23.62	15/16	23.8	1.28	32.51	.38	9.65	1.57	39.88	.66	16.76	-113	
768LOP_3/8 X 3/8	3/8	9.52	3/8	.28	7.11	1.12	28.45	1 1/8	28.6	1.34	34.04	.41	10.41	1.63	41.40	.66	16.76	-116	
768LOP_3/8 X 1/2	3/8	9.52	1/2	.28	7.11	1.30	33.02	1 5/16	33.3	1.56	39.62	.53	13.46	1.85	46.99	.66	16.76	-212	
768LOP_1/2 X 1/2	1/2	12.70	1/2	.41	10.41	1.30	33.02	1 5/16	33.3	1.56	39.62	.53	13.46	1.96	49.78	.90	22.86	-212	
																		Designation: Marking LOP on Hex.	

768 LO MALE CONNECTOR



O-SEAL MALE UNF THREAD

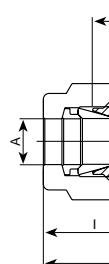
Ordering Information	A		T		D		K		W		N		H		L		I		O-ring***
	Tube O.D.		Straight Thread UNF						Hex. Flat										
	in	mm		in	mm		in	mm		in	mm		in	mm		in	mm		
768LO_1/16 X 5/16-24	1/16	1.58	5/16-24	.05	1.27	.55	14.0	9/16	14.3	.90	22.86	.34	8.63	1.05	26.67	.34	8.63	-011	
768LO_1/8 X 5/16-24	1/8	3.17	5/16-24	.09	2.28	.55	14.0	9/16	14.3	1.03	26.20	.34	8.63	1.29	32.77	.50	12.70	-011	
768LO_3/16 X 3/8-24	3/16	4.76	3/8-24	.12	3.04	.62	15.75	5/8	15.9	1.09	27.70	.38	9.65	1.35	34.29	.54	13.72	-012	
768LO_1/4 X 7/16-20	1/4	6.35	7/16-20	.19	4.22	.74	18.80	3/4	19.1	1.22	31.00	.41	10.41	1.51	38.35	.60	15.24	-111	
768LO_5/16 X 1/2-20	5/16	7.93	1/2-20	.25	6.35	.86	21.84	7/8	22.2	1.31	33.30	.44	11.17	1.60	40.64	.64	16.25	-112	
768LO_3/8 X 9/16-18	3/8	9.52	9/16-18	.28	7.11	.93	23.62	15/16	23.8	1.38	35.05	.47	11.93	1.67	40.89	.66	16.76	-113	
768LO_1/2 X 3/4-16	1/2	12.70	3/4-16	.41	10.41	1.12	28.45	1 1/8	28.6	1.41	35.81	.47	11.93	1.81	45.77	.90	22.86	-116	
768LO_3/4 X 1 1/16-12	3/4	19.05	1 1/16-12	.62	15.74	1.49	37.85	1 1/2	38.1	1.66	42.20	.56	14.22	2.06	52.32	.96	24.38	-215	
768LO_1 X 1 5/16-12	1	25.40	1 5/16-12	.88	22.35	1.74	44.20	1 3/4	44.5	1.81	45.97	.56	14.22	2.29	58.17	1.23	31.24	-219	
																		Designation: Marking LO on Hex.	

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

*** O-rings used are BUNA 70 Durometer.

LET-LOK TUBE FITTINGS

768 LN MALE PIPE WELD CONNECTOR



TUBE (METRIC)

Ordering Information	A	F		D	W	N	H	L	I
	Tube O.D.	Pipe Size		mm	mm	mm	mm	mm	mm
768LN_3 X 1/8	3	1/8	10.30	2.4	12	23.1	9.7	30.5	12.9
768LN_4 X 1/8	4	1/8	10.30	2.4	12	24.1	9.7	31.2	13.7
768LN_6 X 1/8	6	1/8	10.30	4.8	14	25.4	9.7	32.8	15.3
768LN_6 X 1/4	6	1/4	13.70	4.8	14	30.2	14.2	37.9	15.3
768LN_8 X 1/8	8	1/8	10.30	5.1	15	26.7	9.7	34.2	16.2
768LN_8 X 1/4	8	1/4	13.70	6.4	15	31.2	14.2	38.7	16.2
768LN_8 X 1/2	8	1/2	21.34	6.4	22	37.3	19.0	45.6	16.2
768LN_10 X 1/4	10	1/4	13.70	7.1	18	33.3	14.2	40.9	17.2
768LN_10 X 3/8	10	3/8	17.10	7.9	18	32.5	14.2	40.9	17.2
768LN_10 X 1/2	10	1/2	21.34	7.9	22	38.1	19.0	46.5	17.2
768LN_12 X 1/4	12	1/4	13.70	7.1	22	33.3	14.2	43.4	22.8
768LN_12 X 3/8	12	3/8	17.10	9.5	22	33.3	14.2	43.4	22.8
768LN_12 X 1/2	12	1/2	21.34	9.5	22	38.1	19.0	49.0	22.8
768LN_15 X 1/2	15	1/2	21.34	11.9	24	38.9	19.0	49.0	24.4
768LN_16 X 1/2	16	1/2	21.34	12.7	24	38.9	19.0	49.0	24.4
768LN_18 X 1/2	18	1/2	21.34	13.5	27	40.4	19.0	50.5	24.4

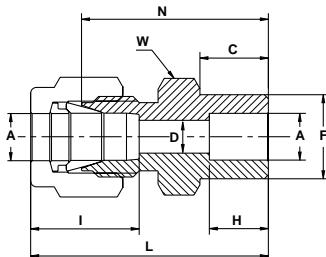
TUBE (INCH)

Ordering Information	A	F		D	W	N	H	L	I		
	Tube O.D.	Pipe Size		mm	in	mm	in	mm	in	mm	in
768LN_1/8 X 1/8	1/8	3.17	1/8	10.30	.09	2.28	7/16	11.1	.94	23.88	.38
768LN_3/16 X 1/8	3/16	4.76	1/8	10.30	.12	3.04	7/16	11.1	.97	24.60	.38
768LN_1/4 X 1/8	1/4	6.35	1/8	10.30	.19	4.82	1/2	12.7	1.00	25.40	.38
768LN_1/4 X 1/4	1/4	6.35	1/4	13.70	.19	4.82	9/16	14.3	1.19	30.22	.56
768LN_5/16 X 1/8	5/16	7.93	1/8	10.30	.20	5.08	9/16	14.3	1.05	26.67	.38
768LN_5/16 X 1/4	5/16	7.93	1/4	13.70	.25	6.35	9/16	14.3	1.23	31.24	.56
768LN_3/8 X 1/4	3/8	9.52	1/4	13.70	.28	7.11	5/8	15.9	1.28	32.51	.56
768LN_3/8 X 3/8	3/8	9.52	3/8	17.10	.28	7.11	11/16	17.5	1.28	32.51	.56
768LN_3/8 X 1/2	3/8	9.52	1/2	21.34	.28	7.11	7/8	22.2	1.53	38.86	.75
768LN_1/2 X 3/8	1/2	12.70	3/8	17.10	.41	10.41	13/16	20.6	1.31	33.27	.56
768LN_1/2 X 1/2	1/2	12.70	1/2	21.34	.41	10.41	7/8	22.2	1.53	38.86	.75
768LN_1/2 X 3/4	1/2	12.70	3/4	26.67	.41	10.41	1 1/16	27.0	1.59	40.40	.75
768LN_5/8 X 1/2	5/8	15.87	1/2	21.34	.50	12.70	15/16	23.8	1.53	38.86	.75
768LN_3/4 X 3/4	3/4	19.05	3/4	26.67	.62	15.74	1 1/16	27.0	1.59	40.40	.75
768LN_1 X 1	1	25.40	1	33.40	.88	22.35	1 3/8	34.9	1.97	50.03	.94

Designation:
Marking LN on Hex.

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

768 LW
TUBE SOCKET WELD UNION



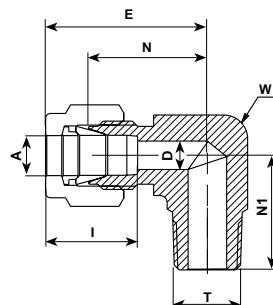
TUBE (INCH)																		
Ordering Information	A		C		D		W		F		H		I		L		N	
	Tube O.D.		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
768LW _ 1/8 X 1/8	1/8	3.17	0.34	8.64	0.09	2.28	7/16	11.1	0.31	7.87	0.25	6.35	0.50	12.70	1.14	28.96	0.88	22.35
768LW _ 1/4 X 1/4	1/4	6.35	0.41	10.41	0.19	4.80	1/2	12.7	0.44	11.18	0.31	7.90	0.60	15.20	1.32	33.53	1.03	26.16
768LW _ 3/8 X 3/8	3/8	9.52	0.47	11.94	0.28	7.10	5/8	15.9	0.62	15.75	0.38	9.65	0.66	16.80	1.48	37.60	1.19	30.23
768LW _ 1/2 X 1/2	1/2	12.70	0.47	11.94	0.41	10.40	13/16	20.6	0.75	19.05	0.50	12.70	0.90	22.90	1.62	41.15	1.22	31.00
768LW _ 3/4 X 3/4	3/4	19.05	0.47	11.94	0.62	15.80	1 1/16	27.0	1.05	26.67	0.56	14.20	0.96	24.40	1.71	43.43	1.31	33.28
768LW _ 1 X 1	1	25.40	0.56	14.22	0.88	22.35	1 3/8	34.9	1.31	33.27	0.75	19.05	1.23	31.20	2.07	52.58	1.59	40.40

Designation:
Marking LW on Hex.

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

769 L MALE ELBOW



TUBE (METRIC) MALE NPT THREAD

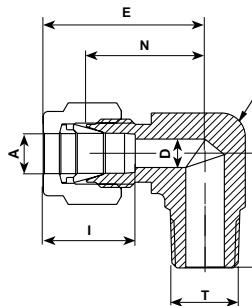
Ordering Information	A	T	D	W		N	E	N1	I
	Tube O.D. mm	(NPT) in	mm	in	mm	mm	mm	mm	mm
769L_3 X 1/8	3	1/8	2.4	7/16	11.1	17.0	23.6	17.8	12.9
769L_3 X 1/4	3	1/4	2.4	1/2	12.7	18.0	24.6	23.4	12.9
769L_4 X 1/8	4	1/8	2.4	1/2	12.7	18.8	25.4	18.8	13.7
769L_4 X 1/4	4	1/4	2.4	1/2	12.7	18.8	25.4	23.4	13.7
769L_6 X 1/8	6	1/8	4.8	1/2	12.7	19.6	27.0	18.8	15.3
769L_6 X 1/4	6	1/4	4.8	1/2	12.7	19.6	27.0	23.4	15.3
769L_6 X 3/8	6	3/8	4.8	11/16	17.5	22.4	29.8	26.2	15.3
769L_6 X 1/2	6	1/2	4.8	13/16	20.6	24.4	31.8	33.0	15.3
769L_8 X 1/8	8	1/8	4.8	9/16	14.3	21.3	28.8	19.8	16.2
769L_8 X 1/4	8	1/4	6.4	9/16	14.3	21.3	28.8	24.4	16.2
769L_8 X 3/8	8	3/8	6.4	11/16	17.5	23.1	30.6	26.2	16.2
769L_8 X 1/2	8	1/2	6.4	13/16	20.6	25.1	32.6	33.0	16.2
769L_10 X 1/8	10	1/8	4.8	11/16	17.5	23.9	31.5	21.6	17.2
769L_10 X 1/4	10	1/4	7.1	11/16	17.5	23.9	31.5	26.2	17.2
769L_10 X 3/8	10	3/8	7.9	11/16	17.5	23.9	31.5	26.2	17.2
769L_10 X 1/2	10	1/2	7.9	13/16	20.6	25.9	33.5	33.0	17.2
769L_12 X 1/8	12	1/8	4.8	13/16	20.6	25.9	36.0	23.6	22.8
769L_12 X 1/4	12	1/4	7.1	13/16	20.6	25.9	36.0	28.2	22.8
769L_12 X 3/8	12	3/8	9.5	13/16	20.6	25.9	36.0	28.2	22.8
769L_12 X 1/2	12	1/2	9.5	13/16	20.6	25.9	36.0	33.0	22.8
769L_12 X 3/4	12	3/4	9.5	1 1/8	28.6	29.7	39.8	36.8	22.8
769L_15 X 1/2	15	1/2	11.9	15/16	23.8	27.9	38.0	35.1	24.4
769L_16 X 3/8	16	3/8	9.5	15/16	23.8	27.9	38.0	30.2	24.4
769L_16 X 1/2	16	1/2	11.9	15/16	23.8	27.9	38.0	35.1	24.4
769L_16 X 3/4	16	3/4	12.7	1 1/8	28.6	29.7	39.8	36.8	24.4
769L_18 X 1/2	18	1/2	11.9	1 1/8	28.6	29.7	39.8	36.8	24.4
769L_18 X 3/4	18	3/4	15.1	1 1/8	28.6	29.7	39.8	36.8	24.4
769L_20 X 1/2	20	1/2	11.9	1 3/8	34.9	34.5	44.6	41.7	26.0
769L_20 X 3/4	20	3/4	15.9	1 3/8	34.9	34.5	44.6	41.7	26.0
769L_22 X 3/4	22	3/4	15.9	1 3/8	34.9	34.5	44.6	41.7	26.0
769L_22 X 1	22	1	18.3	1 3/8	34.9	34.5	44.6	46.5	26.0
769L_25 X 3/4	25	3/4	15.9	1 3/8	34.9	36.8	49.1	41.7	31.3
769L_25 X 1	25	1	21.8	1 3/8	34.9	36.8	49.1	46.5	31.3

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

For inches, see next page

LET-LOK TUBE FITTINGS

769 L MALE ELBOW (Cont'd)



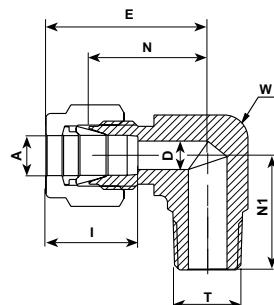
TUBE (INCH) MALE NPT THREAD

Ordering Information	A Tube O.D.		T (NPT)		D		W Wrench Flat		N		E		N1		I	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
769L_ 1/16 X 1/16	1/16	1.58	1/16	.05	1.27	7/16	11.1	.06	15.24	.75	19.05	.70	17.78	.34	8.6	
769L_ 1/16 X 1/8	1/16	1.58	1/8	.05	1.27	7/16	11.1	.06	15.24	.75	19.05	.70	17.78	.34	8.6	
769L_ 1/8 X 1/16	1/8	3.17	1/16	.09	2.28	7/16	11.1	.67	17.02	.93	23.62	.70	17.78	.50	12.7	
769L_ 1/8 X 1/8	1/8	3.17	1/8	.09	2.28	7/16	11.1	.67	17.02	.93	23.62	.70	17.28	.50	12.7	
769L_ 1/8 X 1/4	1/8	3.17	1/4	.09	2.28	1/2	12.7	.71	18.03	.97	24.64	.92	23.37	.50	12.7	
769L_ 3/16 X 1/8	3/16	4.76	1/8	.12	3.04	1/2	12.7	.74	18.80	1.00	25.40	.74	18.80	.54	13.7	
769L_ 3/16 X 1/4	3/16	4.76	1/4	.12	3.04	1/2	12.7	.74	18.80	1.00	25.40	.92	23.37	.54	13.7	
769L_ 1/4 X 1/8	1/4	6.35	1/8	.19	4.82	1/2	12.7	.77	19.56	1.06	26.92	.74	18.80	.60	15.2	
769L_ 1/4 X 1/4	1/4	6.35	1/4	.19	4.82	1/2	12.7	.77	19.56	1.06	26.92	.92	23.37	.60	15.2	
769L_ 1/4 X 3/8	1/4	6.35	3/8	.19	4.82	11/16	17.5	.88	22.35	1.17	29.71	1.03	26.16	.60	15.2	
769L_ 1/4 X 1/2	1/4	6.35	1/2	.19	4.82	13/16	20.6	.96	24.38	1.25	31.75	1.30	33.02	.60	15.2	
769L_ 5/16 X 1/8	5/16	7.93	1/8	.19	4.82	9/16	14.3	.84	21.34	1.13	28.70	.78	45.21	.64	16.2	
769L_ 5/16 X 1/4	5/16	7.93	1/4	.25	6.35	9/16	14.3	.84	21.34	1.13	28.70	.96	49.78	.64	16.2	
769L_ 5/16 X 3/8	5/16	7.93	3/8	.25	6.35	11/16	17.5	.91	23.11	1.20	30.48	1.03	26.16	.64	16.2	
769L_ 3/8 X 1/8	3/8	9.52	1/8	.19	4.82	5/8	15.9	.91	23.11	1.20	30.48	.82	20.83	.66	14.8	
769L_ 3/8 X 1/4	3/8	9.52	1/4	.28	7.11	5/8	15.9	.91	23.11	1.20	30.48	1.00	25.40	.66	14.8	
769L_ 3/8 X 3/8	3/8	9.52	3/8	.28	7.11	11/16	17.5	.94	23.87	1.23	31.24	1.03	26.16	.66	14.8	
769L_ 3/8 X 1/2	3/8	9.52	1/2	.28	7.11	13/16	20.6	1.02	25.90	1.31	33.28	1.30	33.02	.66	14.8	
769L_ 3/8 X 3/4	3/8	9.52	3/4	.28	7.11	1-1/8	28.6	1.17	29.71	1.46	37.08	1.45	36.83	.66	14.8	
769L_ 1/2 X 1/4	1/2	12.70	1/4	.28	7.11	13/16	20.6	1.02	25.90	1.42	36.07	1.11	28.19	.90	22.9	
769L_ 1/2 X 3/8	1/2	12.70	3/8	.38	9.65	13/16	20.6	1.02	25.90	1.42	36.07	1.11	28.19	.90	22.9	
769L_ 1/2 X 1/2	1/2	12.70	1/2	.41	10.41	13/16	20.6	1.02	25.90	1.42	36.07	1.30	33.02	.90	22.9	
769L_ 1/2 X 3/4	1/2	12.70	3/4	.41	10.41	1 1/8	28.6	1.17	29.71	1.57	39.88	1.45	36.83	.90	22.9	
769L_ 5/8 X 3/8	5/8	15.87	3/8	.38	9.61	15/16	23.8	1.10	27.94	1.50	38.10	1.19	30.23	.96	24.4	
769L_ 5/8 X 1/2	5/8	15.87	1/2	.47	11.94	15/16	23.8	1.10	27.94	1.50	38.10	1.38	35.05	.96	24.4	
769L_ 5/8 X 3/4	5/8	15.87	3/4	.50	12.70	1 1/8	28.6	1.17	29.71	1.57	39.88	1.45	36.83	.96	24.4	
769L_ 3/4 X 1/2	3/4	19.05	1/2	.47	11.94	1 1/8	28.6	1.17	29.71	1.57	39.88	1.45	36.83	.96	24.4	
769L_ 3/4 X 3/4	3/4	19.05	3/4	.62	15.74	1 1/8	28.6	1.17	29.71	1.57	39.88	1.45	36.83	.96	24.4	
769L_ 7/8 X 3/4	7/8	22.22	3/4	.62	15.74	1 3/8	34.9	1.36	34.54	1.76	44.70	1.64	41.66	1.02	25.9	
769L_ 1 X 3/4	1	25.40	3/4	.62	15.74	1 3/8	34.9	1.45	36.83	1.93	49.02	1.64	41.66	1.23	31.2	
769L_ 1 X 1	1	25.40	1	.88	22.35	1 3/8	34.9	1.45	36.83	1.93	49.02	1.83	46.48	1.23	31.2	
769L_ 1 1/4 X 1 1/4	1 1/4	31.75	1 1/4	1.09	27.7	1 11/16	42.9	1.75	44.45	2.62	66.50	1.88	47.75	1.62	41.1	
769L_ 1 1/2 X 1 1/2	1 1/2	38.1	1 1/2	1.34	34.0	2	50.8	2.00	50.80	3.07	78.00	2.38	60.45	1.97	50.0	

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK® TUBE FITTINGS

769 LR
MALE FI BOW



TUBE (METRIC) ISO TAPERED THREAD									
Ordering Information	A	T	D	W		N	E	N1	I
	Tube O.D.	(ISO)	mm	in	mm	in	mm	mm	mm
769LR_3 X 1/18	3	R-1/8	2.4	7/16	11.1	17.0	23.6	17.8	12.9
769LR_3 X 1/4	3	R-1/4	2.4	1/2	12.7	18.0	24.6	23.4	12.9
769LR_4 X 1/8	4	R-1/8	2.4	1/2	12.7	18.8	25.4	18.8	13.7
769LR_4 X 1/4	4	R-1/4	2.4	1/2	12.7	18.8	25.4	23.4	13.7
769LR_6 X 1/8	6	R-1/8	4.8	1/2	12.7	19.6	27.0	18.8	15.3
769LR_6 X 1/4	6	R-1/4	4.8	1/2	12.7	19.6	27.0	23.4	15.3
769LR_6 X 3/8	6	R-3/8	4.8	11/16	17.5	22.4	29.8	26.2	15.3
769LR_6 X 1/2	6	R-1/2	4.8	13/16	20.6	24.4	31.8	33.0	15.3
769LR_8 X 1/8	8	R-1/8	4.8	9/16	14.3	21.3	28.8	19.8	16.2
769LR_8 X 1/4	8	R-1/4	6.4	9/16	14.3	21.3	28.8	24.4	16.2
769LR_8 X 3/8	8	R-3/8	6.4	11/16	17.5	23.1	30.6	26.2	16.2
769LR_8 X 1/2	8	R-1/2	6.4	13/16	20.6	25.1	32.6	33.0	16.2
769LR_10 X 1/8	10	R-1/8	4.8	11/16	17.5	23.9	31.5	21.6	17.2
769LR_10 X 1/4	10	R-1/4	7.1	11/16	17.5	23.9	31.5	26.2	17.2
769LR_10 X 3/8	10	R-3/8	7.9	11/16	17.5	23.9	31.5	26.2	17.2
769LR_10 X 1/2	10	R-1/2	7.9	13/16	20.6	25.9	33.5	33.0	17.2
769LR_12 X 1/8	12	R-1/8	4.8	13/16	20.6	25.9	36.0	23.6	22.8
769LR_12 X 1/4	12	R-1/4	7.1	13/16	20.6	25.9	36.0	28.2	22.8
769LR_12 X 3/8	12	R-3/8	9.5	13/16	20.6	25.9	36.0	28.2	22.8
769LR_12 X 1/2	12	R-1/2	9.5	13/16	20.6	25.9	36.0	33.0	22.8
769LR_12 X 3/4	12	R-3/4	9.5	1 1/8	28.6	29.7	39.8	36.8	22.8
769LR_16 X 3/8	16	R-3/8	9.5	15/16	23.8	27.9	38.0	30.2	24.4
769LR_16 X 1/2	16	R-1/2	11.9	15/16	23.8	27.9	38.0	35.1	24.4
769LR_18 X 1/2	18	R-1/2	11.9	1 1/8	28.6	29.7	39.8	36.8	24.4
769LR_18 X 3/4	18	R-3/4	15.1	1 1/8	28.6	29.7	39.8	36.8	24.4
769LR_20 X 1/2	20	R-1/2	11.9	1 3/8	34.9	34.5	44.6	41.7	26.0
769LR_20 X 3/4	20	R-3/4	15.9	1 3/8	34.9	34.5	44.6	41.7	26.0
769LR_22 X 3/4	22	R-3/4	15.9	1 3/8	34.9	34.5	44.6	41.7	26.0
769LR_22 X 1	22	R-1	18.3	1 3/8	34.9	34.5	44.6	46.5	26.0
769LR_25 X 3/4	25	R-3/4	15.9	1 3/8	34.9	36.8	49.1	41.7	31.3
769LR_25 X 1	25	R-1	21.8	1 3/8	34.9	36.8	49.1	46.5	31.3

- "D" - Dimension is minimum opening.
- Dimensions are for reference only, and are subject to change without notice.

Reference Specifications:

DIN - 2999

BS - 21

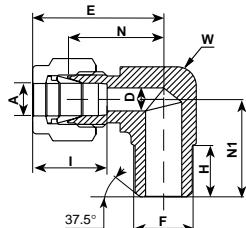
JIS - B0203

ISO - 7/1-BSP-T

Designation:
Marking LR on Flat.

LET-LOK TUBE FITTINGS

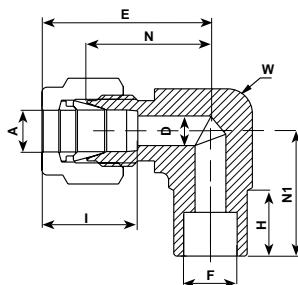
769 LN
MALE PIPE WELD ELBOW



Ordering Information	A Tube O.D.		F Pipe Size		D		W Wrench Flat		N		H		E		N1		I	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
769LN _ 1/4 X 1/8	1/4	6.35	1/8	10.30	.19	4.82	1/2	12.7	.77	19.56	.38	7.65	1.06	26.92	.74	18.8	0.60	15.24
769LN _ 1/4 X 1/4	1/4	6.35	1/4	13.70	.19	4.82	1/2	12.7	.77	19.56	.56	14.22	1.06	26.92	.92	23.37	0.60	15.24
769LN _ 3/8 X 1/4	3/8	9.52	1/4	13.70	.28	7.11	5/8	15.9	.91	23.11	.56	14.22	1.20	30.48	1.00	25.40	0.66	16.76
769LN _ 1/2 X 1/2	1/2	12.70	1/2	21.34	.41	10.41	13/16	20.6	1.02	25.90	.75	19.05	1.42	36.06	1.30	33.02	0.90	22.86
769LN _ 3/4 X 3/4	3/4	19.05	3/4	26.67	.62	15.75	1 1/8	28.6	1.17	29.72	.75	19.05	1.57	39.88	1.45	36.83	0.96	24.38

Designation:
Marking LN on Flat.

769 LW
TUBE SOCKET WELD ELBOW



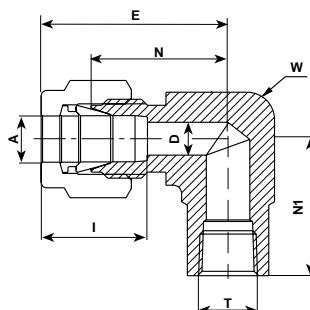
Ordering Information	A Tube O.D.		F		D		W Wrench Flat		N		H		E		N1		I	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
769LW _ 1/4 X 1/4	1/4	6.35	1/4	6.35	.19	4.82	1/2	12.7	.77	19.60	.31	7.87	1.06	26.98	.77	19.60	0.60	15.24
769LW _ 3/8 X 3/8	3/8	9.52	3/8	9.52	.28	7.11	5/8	15.9	.91	23.11	.38	9.65	1.20	30.98	.91	23.11	0.66	16.76
769LW _ 1/2 X 1/2	1/2	12.70	1/2	12.70	.41	10.41	13/16	20.6	1.02	25.90	.50	12.70	1.42	36.06	1.02	25.90	0.90	22.86

Designation:
Marking LW on Flat.

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

770 L FEMALE ELBOW



TUBE (METRIC) TO FEMALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I
	Tube O.D.	(NPT)	mm	in	mm	mm	mm	mm	mm
770L_6 X 1/8	6	1/8	4.8	5/8	15.9	19.6	27.0	21.6	15.3
770L_6 X 1/4	6	1/4	4.8	13/16	20.6	22.4	29.8	22.4	15.3
770L_10 X 1/4	10	1/4	7.9	13/16	20.6	25.9	33.5	22.4	17.2
770L_12 X 1/4	12	1/4	9.5	13/16	20.6	25.9	36.0	22.4	22.8
770L_12 X 1/2	12	1/2	9.5	1 1/8	28.6	28.7	38.5	28.4	22.8

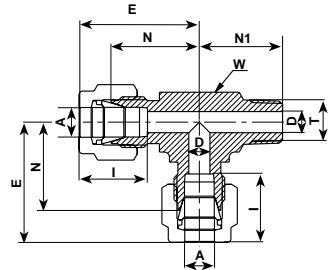
TUBE (INCH) TO FEMALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I						
	Tube O.D.	(NPT)	in	mm	in	mm	in	mm	in	mm					
770L_1/8 X 1/8	1/8	3.17	1/8	.09	2.28	5/8	15.9	.71	18.03	.97	24.64	.75	19.05	.50	12.7
770L_1/8 X 1/4	1/8	3.17	1/4	.09	2.28	13/16	20.6	.82	20.80	1.08	27.43	.94	23.75	.50	12.7
770L_3/16 X 1/8	3/16	4.76	1/8	.12	3.04	5/8	15.9	.74	18.8	1.00	25.40	.75	19.05	.54	13.7
770L_1/4 X 1/8	1/4	6.35	1/8	.19	4.82	5/8	15.9	.77	19.55	1.06	26.92	.75	19.05	.60	15.3
770L_1/4 X 1/4	1/4	6.35	1/4	.19	4.82	11/16	17.5	.88	22.40	1.17	29.72	.88	22.40	.60	15.3
770L_1/4 X 3/8	1/4	6.35	3/8	.19	4.82	15/16	23.8	.96	24.38	1.25	31.75	.88	22.40	.60	15.3
770L_1/4 X 1/2	1/4	6.35	1/2	.19	4.82	1 1/8	28.6	1.07	27.18	1.36	34.54	1.12	28.45	.60	15.2
770L_5/16 X 1/8	5/16	9.52	1/8	.25	6.35	9/16	14.3	.84	21.30	1.13	28.70	.75	19.05	.64	16.2
770L_5/16 X 1/4	5/16	9.52	1/4	.25	6.35	13/16	20.6	.91	23.11	1.20	30.48	.88	22.40	.64	16.2
770L_3/8 X 1/8	3/8	7.93	1/8	.28	7.11	5/8	15.9	.91	23.11	1.20	30.48	.75	19.05	.66	16.9
770L_3/8 X 1/4	3/8	9.52	1/4	.28	7.11	13/16	20.6	.88	22.40	1.23	31.24	.88	22.40	.66	16.9
770L_3/8 X 3/8	3/8	9.52	3/8	.28	7.11	15/16	23.8	.88	22.40	1.31	33.27	.88	22.40	.66	16.9
770L_3/8 X 1/2	3/8	9.52	1/2	.28	7.11	1 1/8	28.6	1.12	28.45	1.42	36.07	1.12	28.45	.66	16.9
770L_1/2 X 1/4	1/2	12.70	1/4	.41	10.41	13/16	20.6	1.02	25.90	1.42	36.07	.88	22.40	.90	22.9
770L_1/2 X 3/8	1/2	12.70	3/8	.41	10.41	15/16	23.8	1.02	25.90	1.42	36.07	.88	22.40	.90	22.9
770L_1/2 X 1/2	1/2	12.70	1/2	.41	10.41	1 1/8	28.6	1.12	28.44	1.53	36.86	1.13	28.70	.90	22.9
770L_5/8 X 3/8	5/8	15.87	3/8	.50	12.70	15/16	23.8	1.10	27.90	1.50	38.10	.88	22.40	.96	22.9
770L_5/8 X 1/2	5/8	15.87	1/2	.50	12.70	1 1/8	28.6	1.17	29.70	1.57	39.86	1.12	28.45	.96	22.9
770L_3/4 X 1/2	3/4	19.05	1/2	.62	15.74	1 1/8	28.6	1.17	29.70	1.57	39.86	1.12	28.45	.96	22.9
770L_3/4 X 3/4	3/4	19.05	3/4	.62	15.74	1 3/8	34.9	1.25	31.75	1.76	44.70	1.25	31.75	.96	22.9
770L_7/8 X 3/4	7/8	22.22	3/4	.72	18.28	1 3/8	34.9	1.25	31.75	1.76	44.70	1.25	31.75	1.02	25.9
770L_1 X 3/4	1	25.40	3/4	.88	22.35	1 3/8	34.9	1.25	31.75	1.93	49.02	1.25	31.75	1.23	31.2
770L_1 X 1	1	25.40	1	.88	22.35	1 11/16	42.9	1.50	38.10	2.11	53.59	1.50	38.10	1.23	31.2

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

771 L
MALE RUN TEE



TUBE (METRIC) TO MALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I
	Tube O.D.	(NPT)	mm	in	mm	Wrench Flat	mm	mm	mm
771L_6 X 1/8	6	1/8	4.8	1/2	12.7	19.6	27.0	18.0	15.3
771L_6 X 1/4	6	1/4	4.8	1/2	12.7	19.6	27.0	23.4	15.3
771L_8 X 1/8	8	1/8	4.8	5/8	15.9	22.4	29.9	20.8	16.2
771L_8 X 1/4	8	1/4	6.4	5/8	15.9	22.4	29.9	25.4	16.2
771L_10 X 1/4	10	1/4	7.1	13/16	20.6	25.9	33.5	28.2	16.2
771L_12 X 1/4	12	1/4	7.1	13/16	20.6	25.9	36.0	28.2	22.8
771L_12 X 3/8	12	3/8	9.5	13/16	20.6	25.9	36.0	28.2	22.8
771L_12 X 1/2	12	1/2	9.5	15/16	23.8	25.9	36.0	33.0	22.8
771L_16 X 1/2	16	1/2	11.9	15/16	23.8	27.9	38.0	35.0	24.4

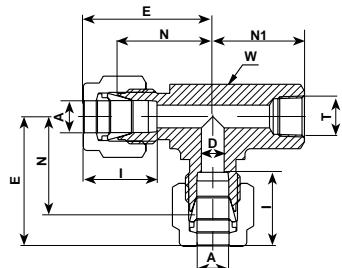
TUBE (INCH) TO MALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I						
	Tube O.D.	(NPT)	mm	in	mm	Wrench Flat	in	mm	in	mm					
771L_1/8 X 1/8	1/8	3.17	1/8	.09	2.28	7/16	11.1	.67	17.02	.93	23.62	.70	17.78	.50	12.7
771L_1/8 X 1/4	1/8	3.17	1/4	.09	2.28	1/2	12.7	.71	18.03	.97	24.64	.92	23.40	.50	12.7
771L_3/16 X 1/8	3/16	4.76	1/8	.12	3.05	7/16	11.1	.70	17.78	.96	24.38	.70	17.78	.54	13.7
771L_1/4 X 1/8	1/4	6.35	1/8	.19	4.82	1/2	12.7	.77	19.56	1.06	26.92	.74	18.8	.60	15.2
771L_1/4 X 1/4	1/4	6.35	1/4	.19	4.82	1/2	12.7	.77	19.56	1.06	26.92	.92	23.37	.60	15.2
771L_5/16 X 1/8	5/16	7.93	1/8	.19	4.82	5/8	15.9	.88	22.35	1.17	29.71	.82	20.83	.64	16.25
771L_3/8 X 1/4	3/8	9.52	1/4	.28	7.11	5/8	15.9	.91	23.11	1.20	30.48	1.00	25.40	.66	16.76
771L_3/8 X 3/8	3/8	9.52	3/8	.28	7.11	13/16	20.6	1.02	25.91	1.31	33.27	1.11	28.19	.66	16.76
771L_1/2 X 3/8	1/2	12.70	3/8	.38	9.5	13/16	20.6	1.02	25.91	1.42	36.07	1.11	28.19	.90	22.86
771L_1/2 X 1/2	1/2	12.70	1/2	.41	10.41	15/16	23.8	1.02	25.91	1.42	36.07	1.30	33.00	.90	22.86
771L_5/8 X 1/2	5/8	15.87	1/2	.47	11.94	15/16	23.8	1.10	27.94	1.50	38.1	1.38	35.05	.96	24.38
771L_3/4 X 3/4	3/4	19.05	3/4	.62	15.75	1 1/8	28.6	1.17	29.72	1.57	39.88	1.45	36.83	.96	24.38

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

771 LF
FEMALE RUN TEE



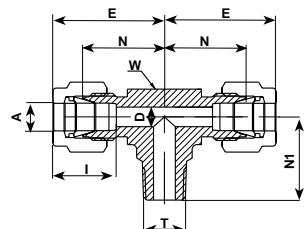
TUBE (METRIC) TO FEMALE NPT THREAD

Ordering Information	A	T	D		W		N		E		N1		I	
	Tube O.D.	(NPT)	mm	in	in	mm	in	mm	in	mm	in	mm	in	mm
771LF_6 X 1/8	6	1/8	.19	4.8	5/8	15.9	.77	19.6	1.06	27.0	.74	19.00	.60	15.3
771LF_6 X 1/4	6	1/4	.19	4.8	13/16	20.6	.88	22.4	1.17	29.8	.87	22.30	.60	15.3
771LF_12 X 1/4	12	1/4	.37	9.5	13/16	20.6	1.01	25.9	1.41	36.0	.88	22.40	.89	22.8
771LF_12 X 1/2	12	1/2	.37	9.5	1 1/8	28.6	1.16	29.7	1.57	39.8	1.12	28.50	.89	22.8

TUBE (INCH) TO FEMALE NPT THREAD

Ordering Information	A	T	D		W		N		E		N1		I		
	Tube O.D.	(NPT)	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
771LF_1/8 X 1/8	1/8	3.17	1/8	.09	2.28	5/8	15.9	.71	18.00	.97	24.44	.75	19.05	0.5	12.7
771LF_1/4 X 1/8	1/4	6.35	1/8	.19	4.82	5/8	15.9	.77	19.55	1.06	26.92	.75	19.05	0.6	15.2
771LF_1/4 X 1/4	1/4	6.35	1/4	.19	4.82	13/16	20.6	.88	22.35	1.17	29.71	.88	22.35	0.6	15.2
771LF_3/8 X 1/4	3/8	9.52	1/4	.28	7.11	13/16	20.6	.94	23.87	1.23	31.24	.88	22.35	0.66	16.8
771LF_1/2 X 3/8	1/2	12.70	3/8	.41	10.41	15/16	23.8	1.02	25.9	1.42	36.07	.88	22.35	0.9	22.9
771LF_1/2 X 1/2	1/2	12.70	1/2	.41	10.41	1 1/8	28.6	1.17	29.72	1.57	39.88	1.12	28.45	0.9	22.9
771LF_3/4 X 3/4	3/4	19.05	3/4	.62	15.75	1 3/8	34.9	1.36	34.54	1.76	44.70	1.25	31.75	0.9	24.4

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

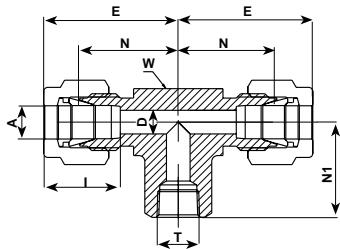
**772 L
MALE BRANCH TEE**

TUBE (METRIC) TO MALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I
	Tube O.D. mm	(NPT) in	mm	in	mm	mm	mm	mm	mm
772L_6 X 1/8	6	1/8	4.8	1/2	12.7	19.6	27.0	18.8	15.3
772L_6 X 1/4	6	1/4	4.8	1/2	12.7	19.6	27.0	23.4	15.3
772L_8 X 1/8	8	1/8	4.8	5/8	15.9	22.4	29.9	20.8	16.2
772L_8 X 1/4	8	1/4	6.4	5/8	15.9	22.4	29.9	25.4	16.2
772L_10 X 1/4	10	1/4	7.1	13/16	20.6	25.9	33.5	28.2	17.2
772L_12 X 1/4	12	1/4	7.1	13/16	20.6	25.9	36.0	28.2	22.8
772L_12 X 3/8	12	3/8	9.5	13/16	20.6	25.9	36.0	28.2	22.8
772L_12 X 1/2	12	1/2	9.5	15/16	23.8	25.9	36.0	33.0	22.8
772L_16 X 1/2	16	1/2	11.9	15/16	23.8	28.7	38.8	35.8	24.4

TUBE (INCH) TO MALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I		
	Tube O.D. in	(NPT) mm	in	in	mm	in	mm	in	mm	in	mm
772L_1/8 X 1/8	1/8	3.17	1/8	.09	2.28	7/16	11.1	.67	17.02	.93	23.62
772L_1/8 X 1/4	1/8	3.17	1/4	.09	2.28	1/2	12.7	.71	18.03	.97	24.64
772L_3/16 X 1/8	3/16	4.76	1/8	.12	3.04	7/16	11.1	.70	17.78	.96	24.38
772L_1/4 X 1/8	1/4	6.35	1/8	.19	4.82	1/2	12.7	.77	19.56	1.06	26.9
772L_1/4 X 1/4	1/4	6.35	1/4	.19	4.82	1/2	12.7	.77	19.56	1.06	26.9
772L_5/16 X 1/8	5/16	7.93	1/8	.19	4.82	5/8	15.9	.88	22.35	1.17	29.71
772L_3/8 X 1/4	3/8	9.52	1/4	.28	7.11	5/8	15.9	.91	23.11	1.20	30.48
772L_3/8 X 3/8	3/8	9.52	3/8	.28	7.11	13/16	20.6	1.02	25.91	1.31	33.27
772L_1/2 X 3/8	1/2	12.70	3/8	.38	9.65	13/16	20.6	1.02	25.91	1.42	36.07
772L_1/2 X 1/2	1/2	12.70	1/2	.41	10.41	15/16	23.8	1.02	25.96	1.42	36.07
772L_5/8 X 1/2	5/8	15.87	1/2	.47	11.94	15/16	23.8	1.13	28.7	1.53	38.86
772L_3/4 X 3/4	3/4	19.05	3/4	.62	15.75	1 1/8	28.6	1.17	29.72	1.57	39.88

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

**772 LF
FEMALE BRANCH TEE**

TUBE (METRIC) TO FEMALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I
	Tube O.D.	(NPT)		Wrench Flat		mm	mm	mm	mm
mm	in	mm	in	mm	mm	mm	mm	mm	mm
772LF_6 X 1/8	6	1/8	4.8	5/8	15.9	19.6	27.0	19.0	15.3
772LF_6 X 1/4	6	1/4	4.8	13/16	20.6	22.4	29.8	22.4	15.3
772LF_10 X 1/4	10	1/4	7.9	13/16	20.6	25.9	33.5	22.4	17.2
772LF_10 X 3/8	10	3/8	7.9	15/16	23.8	25.9	33.5	22.4	17.2
772LF_12 X 1/4	12	1/4	9.5	13/16	20.6	25.9	36.0	22.4	22.8
772LF_12 X 1/2	12	1/2	9.5	1 1/8	28.6	28.7	38.8	28.4	22.8
772LF_16 X 1/2	16	1/2	12.7	1 1/8	28.6	28.7	38.8	28.4	24.4

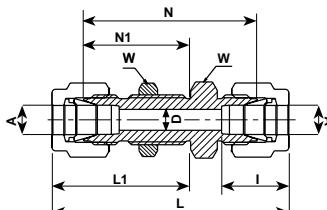
TUBE (INCH) TO FEMALE NPT THREAD

Ordering Information	A	T	D	W		N	E	N1	I		
	Tube O.D.	(NPT)		Wrench Flat		mm	mm	mm	mm		
in	mm	in	in	mm	in	mm	in	mm	in	mm	
772LF_1/8 X 1/8	1/8	3.17	1/8	.09	2.28	5/8	15.9	.70	18.00	.97	24.64
772LF_1/4 X 1/8	1/4	6.35	1/8	.19	4.82	5/8	15.9	.77	19.56	1.06	26.96
772LF_1/4 X 1/4	1/4	6.35	1/4	.19	4.82	13/16	20.6	.88	22.35	1.17	29.71
772LF_3/8 X 1/4	3/8	9.52	1/4	.28	7.11	13/16	20.6	.94	23.88	1.23	31.24
772LF_1/2 X 1/4	1/2	12.70	1/4	.41	10.41	13/16	20.6	1.02	25.90	1.42	36.06
772LF_1/2 X 3/8	1/2	12.70	3/8	.41	10.41	15/16	23.8	1.02	25.90	1.42	36.07
772LF_1/2 X 1/2	1/2	12.70	1/2	.41	10.41	1 1/8	28.6	1.13	28.70	1.53	38.86
772LF_5/8 X 1/2	5/8	15.87	1/2	.50	12.70	1 1/8	28.6	1.13	28.70	1.53	38.86
772LF_3/4 X 3/4	3/4	19.05	3/4	.62	15.74	1 3/8	34.9	1.36	34.50	1.76	44.70
772LF_1 X 3/4	1	25.4	3/4	.88	22.35	1 3/8	34.9	1.45	36.83	1.93	49.02
772LF_1 X 1	1	25.4	1	.88	22.35	1 11/16	42.9	1.63	41.40	2.11	53.60

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK TUBE FITTINGS

774 L
BULKHEAD UNION



TUBE (METRIC) TO TUBE (METRIC)

Ordering Information	A	D	W	N	N1	L	L1	I	Panel hole drill size	Max. Panel thickness
	Tube O.D. mm	mm	Hex. Flat mm	mm	mm	mm	mm	mm	mm	mm
774L_3	3	2.4	14	38.1	24.6	51.3	31.2	12.9	8.30	12.7
774L_4	4	2.4	14	40.4	25.4	53.6	32.0	13.7	9.90	12.7
774L_6	6	4.8	16	42.9	26.2	57.7	33.6	15.3	11.50	10.2
774L_8	8	6.4	18	46.0	28.6	61.0	36.1	16.2	13.10	11.2
774L_10	10	7.9	22	48.5	29.4	63.7	37.0	17.2	16.25	11.2
774L_12	12	9.5	24	50.8	31.8	71.0	41.9	22.8	19.50	12.7
774L_15	15	11.9	27	52.3	32.5	72.5	42.6	24.4	22.80	12.7
774L_16	16	12.7	27	52.3	32.5	72.5	42.6	24.4	22.80	12.7
774L_18	18	15.1	30	58.7	37.3	78.9	47.4	24.4	26.00	16.8
774L_20	20	15.9	35	64.3	42.9	84.5	53.0	26.0	29.00	23.9
774L_25	25	21.8	41	71.4	45.2	86.6	52.8	26.6	33.70	19.0

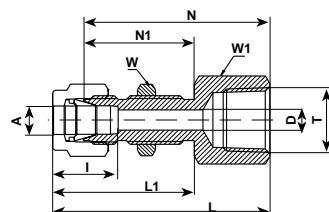
TUBE (INCH) TO TUBE (INCH)

Ordering Information	A	D	W	N	N1	L	L1	I	Panel hole drill size	Max. Panel thickness
	Tube O.D. in mm	in mm	Hex. Flat in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
774L_1/16	1/16 1.58	.05 1.27	5/16 7.9	0.94 23.88	0.53 13.46	1.24 31.5	0.68 17.3	.34 8.6	13/64 5.16	.12 3.05
774L_1/8	1/8 3.17	.09 2.28	1/2 12.7	1.50 38.10	0.97 24.63	2.02 51.30	1.23 31.24	.50 12.7	21/64 8.33	.50 12.70
774L_3/16	3/16 4.76	.12 3.04	9/16 14.3	1.59 40.38	1.00 25.40	2.11 53.59	1.26 32.00	.54 13.7	25/64 9.92	.50 12.70
774L_1/4	1/4 6.35	.19 4.82	5/8 15.9	1.69 42.92	1.03 26.16	2.27 57.65	1.32 33.52	.60 15.2	29/64 11.50	.40 10.16
774L_5/16	5/16 7.93	.25 6.35	11/16 17.5	1.81 45.97	1.12 28.44	2.39 60.70	1.41 35.81	.64 16.2	33/64 13.09	.44 11.17
774L_3/8	3/8 9.52	.28 7.11	3/4 19.1	1.87 47.5	1.16 29.46	2.45 62.2	1.45 36.83	.66 16.8	37/64 14.68	.44 11.17
774L_1/2	1/2 12.70	.41 10.41	15/16 23.8	2.00 50.20	1.25 31.75	2.80 71.12	1.65 41.91	.90 22.9	49/64 19.44	.50 12.70
774L_5/8	5/8 15.87	.50 12.70	1 1/16 27.0	2.06 52.32	1.28 32.51	2.86 72.64	1.68 42.67	.96 24.4	57/64 22.62	.50 12.70
774L_3/4	3/4 19.05	.62 15.90	1 3/16 30.2	2.31 58.67	1.47 37.33	3.11 78.99	1.87 47.49	.96 24.4	1 1/64 25.79	.66 16.76
774L_1	1 25.40	.88 22.35	1 5/8 41.3	2.81 71.37	1.78 45.21	3.77 95.76	2.26 57.40	1.23 31.2	1 21/64 33.73	.75 19.05

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK® TUBE FITTINGS

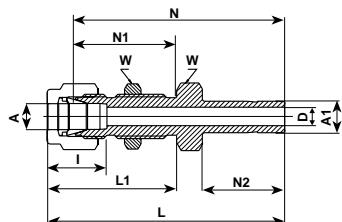
774 LF
BULKHEAD FEMALE
CONNECTOR



TUBE (INCH) TO FEMALE NPT THREAD

Ordering Information	A		T		D		W		W1		N		N1		L		L1		I		Panel hole drill size		Max. panel thickness			
	Tube O.D.		(NPT)		Hex. Flat		Hex. Flat		Hex. Flat		in		mm		in		mm		in		mm		in		mm	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
774LF_1/8X1/8	1/8	3.17	1/8	.09	2.28	9/16	14.3	1/2	12.7	1.50	38.10	.97	24.63	1.76	44.70	1.23	31.24	.50	12.7	21/64	8.33	.50	12.70			
774LF_1/4X1/8	1/4	6.35	1/8	.19	4.82	5/8	15.9	5/8	15.9	1.56	39.62	1.03	26.16	1.85	46.99	1.32	33.52	.60	15.2	29/64	11.50	.40	10.16			
774LF_1/4X1/4	1/4	6.35	1/4	.19	4.82	3/4	19.1	5/8	15.9	1.75	44.45	1.03	26.16	2.04	51.81	1.32	33.52	.60	15.2	29/64	11.50	.40	10.16			
774LF_3/8X1/4	3/8	9.52	1/4	.28	7.11	3/4	19.1	3/4	19.1	1.88	47.75	1.16	29.46	2.17	55.11	1.45	36.83	.66	16.8	37/64	14.68	.44	11.17			
774LF_1/2X3/8	1/2	12.70	3/8	.41	10.41	15/16	23.8	15/16	23.8	2.03	51.56	1.25	31.75	2.43	61.72	1.65	41.91	.90	22.9	49/64	19.44	.50	12.70			
774LF_1/2X1/2	1/2	12.70	1/2	.41	10.41	1 1/16	27.0	15/16	23.8	2.22	56.38	1.25	31.75	2.62	66.54	1.65	41.91	.90	22.9	49/64	19.44	.50	12.70			

774 LT
BULKHEAD REDUCER



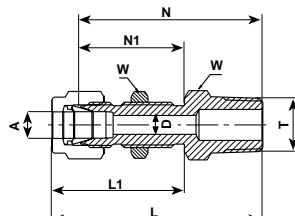
TUBE (INCH) TO TUBE (INCH)

Ordering Information	A		A1		D		W		N		N1		N2		L		L1		I						
	Tube O.D.		Tube O.D.		Hex. Flat		Hex. Flat		in		mm		in		mm		in		mm		in		mm		
		in		in	mm		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
774LT_1/8 X 1/8	1/8	3.17	1/8	.08	2.03	1/2	12.7	1.69	42.92	.97	24.63	.53	13.46	1.95	49.53	1.23	31.24	.5	12.7						
774LT_1/4 X 1/4	1/4	6.35	1/4	.17	4.20	5/8	15.9	1.91	48.50	1.03	26.16	.62	15.74	2.20	55.88	1.32	33.52	.6	15.2						
774LT_3/8 X 3/8	3/8	9.52	3/8	.28	7.11	3/4	19.1	2.12	53.85	1.16	29.46	.69	17.52	2.41	61.21	1.45	36.83	.66	16.8						
774LT_1/2 X 1/2	1/2	12.70	1/2	.39	9.90	15/16	23.8	2.47	62.73	1.25	31.75	.91	23.11	2.87	72.89	1.65	41.91	.9	22.9						

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LET-LOK TUBE FITTINGS

774 LM BULKHEAD MALE CONNECTOR



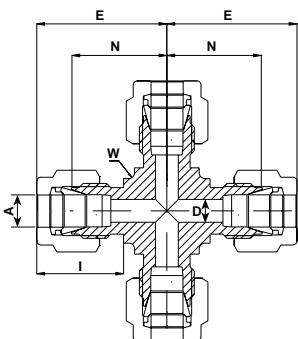
TUBE (METRIC) TO MALE NPT THREAD

Ordering Information	A	T	D	W	N	N1	L	L1	Panel hole drill size	Max. panel thickness
	Tube O.D.	(NPT)	mm	mm	mm	mm	mm	mm	mm	mm
774LM _ 6 X 1/8	6	1/8	4.8	16	42.2	26.2	49.6	33.6	11.5	10.2
774LM _ 6 X 1/4	6	1/4	4.8	16	46.2	26.2	53.6	33.6	11.5	10.2
774LM _ 12 X 1/2	12	1/2	9.5	24	58.7	31.8	68.8	41.9	19.5	12.7

TUBE (INCH) TO MALE NPT THREAD

Ordering Information	A	T	D	W	N	N1	L	L1	Panel hole drill size	Max. panel thickness									
	Tube O.D.	(NPT)	mm	Hex. Flat	in	mm	in	mm	in	mm									
774LM _ 1/8 X 1/8	1/8	3.17	1/8	.09	2.28	1/2	12.7	1.57	39.90	.97	24.60	1.83	46.48	1.23	31.24	21/64	8.33	.50	12.70
774LM _ 1/4 X 1/8	1/4	6.35	1/8	.19	4.82	5/8	15.9	1.66	42.20	1.03	26.20	1.95	49.53	1.32	33.52	29/64	11.50	.40	10.16
774LM _ 1/4 X 1/4	1/4	6.35	1/4	.19	4.82	5/8	15.9	1.84	46.70	1.03	26.16	2.13	54.10	1.32	33.52	29/64	11.50	.40	10.16
774LM _ 3/8 X 1/4	3/8	9.52	1/4	.28	7.11	3/4	19.1	1.97	50.00	1.16	29.46	2.26	57.40	1.45	36.83	37/64	14.68	.44	11.17
774LM _ 1/2 X 3/8	1/2	12.70	3/8	.40	10.40	15/16	23.8	2.09	53.10	1.25	31.75	2.49	83.25	1.65	41.91	49/64	19.44	.50	12.70
774LM _ 1/2 X 1/2	1/2	12.70	1/2	.40	10.40	15/16	23.8	2.31	58.70	1.25	31.70	2.71	68.83	1.65	41.91	49/64	19.44	.50	12.70

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**7102 L
UNION CROSS**

ALL TUBES (METRIC)

Ordering Information	A	D	W		N	E	I
	Tube O.D.	mm	mm	in	mm	mm	mm
7102L_3	3	2.4	3/8	9.5	15.7	22.3	12.9
7102L_6	6	4.8	1/2	12.7	19.6	27.0	15.3
7102L_8	8	6.4	5/8	15.9	22.4	29.9	16.2
7102L_10	10	7.9	13/16	20.6	25.9	33.5	17.2
7102L_12	12	9.5	13/16	20.6	25.9	36.0	22.8
7102L_18	18	15.1	1 1/16	27.0	28.2	38.3	24.4
7102L_20	20	15.9	1 3/8	34.9	34.5	44.6	26.0

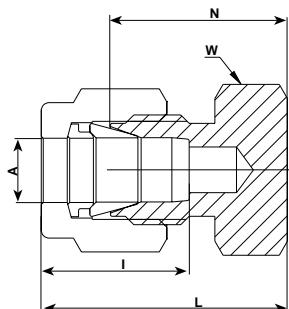
ALL TUBES (INCH)

Ordering Information	A		D		W		N		E		I	
	Tube O.D.	in	mm	in	mm	in	mm	in	mm	in	mm	in
7102L_1/8	1/8	3.17	.09	2.28	3/8	9.5	.62	15.74	.88	22.35	.50	12.7
7102L_1/4	1/4	6.35	.19	4.82	1/2	12.7	.77	19.56	1.06	26.92	.60	15.2
7102L_5/16	5/16	7.93	.25	6.35	5/8	15.9	.88	22.35	1.17	29.71	.64	16.2
7102L_3/8	3/8	9.52	.28	7.11	5/8	15.9	.91	23.11	1.20	30.48	.66	16.8
7102L_1/2	1/2	12.70	.41	10.41	13/16	20.6	1.02	25.9	1.42	36.07	.90	22.9
7102L_3/4	3/4	19.05	.62	15.74	1 1/16	27.0	1.17	29.72	1.57	39.88	.96	24.4
7102L_1	1	25.40	.88	22.35	1 3/8	34.9	1.45	36.8	1.93	49.02	1.23	31.2

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LET-LOK® TUBE FITTINGS

7108 L
CAP



CAPPING END OF TUBE (METRIC)

Ordering Information	A	W	N	L	I
	Tube O.D. mm	Hex. Flat mm	mm	mm	mm
7108L_2	2	12	13.5	20.1	12.9
7108L_3	3	12	13.5	20.1	12.9
7108L_4	4	12	14.7	21.3	13.7
7108L_6	6	14	15.7	23.1	15.3
7108L_8	8	15	17.0	24.5	16.2
7108L_10	10	18	15.0	26.6	17.2
7108L_12	12	22	19.0	29.1	22.8
7108L_15	15	24	19.8	29.9	24.4
7108L_16	16	24	19.8	29.9	24.4
7108L_18	18	27	21.3	31.4	24.4
7108L_20	20	30	23.9	34.0	26.0
7108L_22	22	30	23.9	34.0	26.0
7108L_25	25	35	26.2	38.5	31.3

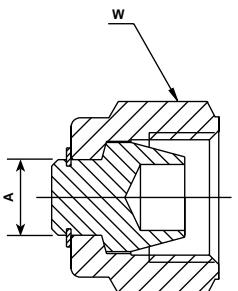
CAPPING END OF TUBE (INCH)

Ordering Information	A		W		N		L		I	
	Tube O.D. in	mm	in	mm	in	mm	in	mm	in	mm
7108L_1/16	1/16	1.58	5/16	7.9	.44	11.17	.59	14.98	.34	8.6
7108L_1/8	1/8	3.17	7/16	11.1	.53	13.46	.79	20.06	.50	12.7
7108L_3/16	3/16	4.76	7/16	11.1	.58	14.73	.84	21.84	.54	13.7
7108L_1/4	1/4	6.35	1/2	12.7	.63	16.00	.92	23.37	.60	15.2
7108L_5/16	5/16	7.93	9/16	14.3	.67	17.01	.96	24.38	.64	16.2
7108L_3/8	3/8	9.52	5/8	15.9	.72	18.28	1.01	26.65	.66	16.2
7108L_1/2	1/2	12.70	13/16	20.6	.75	19.05	1.15	29.21	.90	16.8
7108L_5/8	5/8	15.87	15/16	23.8	.78	19.81	1.18	29.97	.96	22.9
7108L_3/4	3/4	19.05	1 1/16	27.0	.84	21.33	1.24	31.49	.96	24.4
7108L_7/8	7/8	22.22	1 3/16	30.2	.94	23.88	1.34	34.04	1.02	25.9
7108L_1	1	25.40	1 3/8	34.9	1.03	26.16	1.51	38.35	1.23	31.2

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LET-LOK® TUBE FITTINGS

7121 L
PLUG



PLUGGING UNUSED PORT OF FITTING (METRIC)

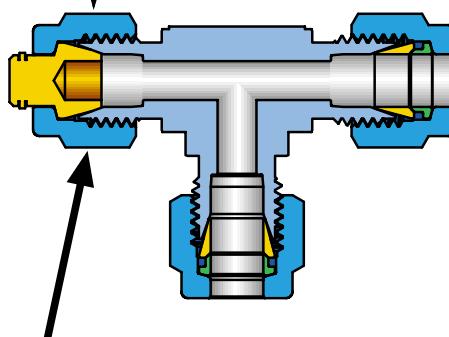
Ordering Information	A		W	
	mm	mm	Hex. Flat	
7121L_3	3		12	
7121L_4	4		12	
7121L_6	6		14	
7121L_8	8		16	
7121L_10	10		19	
7121L_12	12		22	
7121L_15	15		25	
7121L_16	16		25	
7121L_18	18		30	
7121L_20	20		32	
7121L_22	22		32	
7121L_25	25		38	

PLUGGING UNUSED PORT OF FITTING (INCH)

Ordering Information	A		W	
	in	mm	in	mm
7121L_1/16	1/16	1.58	5/16	7.9
7121L_1/8	1/8	3.17	7/16	11.1
7121L_3/16	3/16	4.76	1/2	12.7
7121L_1/4	1/4	6.35	9/16	14.3
7121L_5/16	5/16	7.93	5/8	15.9
7121L_3/8	3/8	9.52	11/16	17.5
7121L_1/2	1/2	12.70	7/8	22.2
7121L_5/8	5/8	15.87	1	25.4
7121L_3/4	3/4	19.05	1 1/8	28.6
7121L_1	1	25.40	1 1/2	38.1

PLUG ASSEMBLY INSTRUCTIONS

7121L XX XX

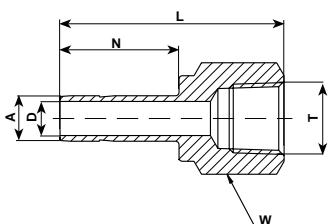


1/4 TURN (90°)
ONLY

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LET-LOK® TUBE FITTINGS

**739 LF
FEMALE ADAPTER
TUBE TO PIPE**



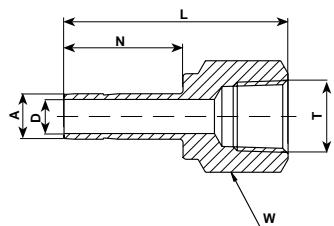
TUBE (METRIC) FEMALE PIPE

Ordering Information	A Tube O.D.	T (NPT)	D	W Hex.Flat	N	L
	mm	in	mm	mm	mm	mm
739LF_3 X1/8	3	1/8	2.1	14	13.5	31.5
739LF_3 X 1/4	3	1/4	2.1	19	13.5	35.3
739LF_4 X 1/4	4	1/4	2.2	19	14.2	35.0
739LF_6 X 1/8	6	1/8	4.0	14	15.7	32.5
739LF_6 X 1/4	6	1/4	4.0	19	15.7	36.5
739LF_6 X 3/8	6	3/8	4.0	22	15.7	39.6
739LF_6 X 1/2	6	1/2	4.0	27	15.7	45.5
739LF_8 X 1/8	8	1/8	5.6	14	16.8	34.3
739LF_8 X 1/4	8	1/4	5.6	19	16.8	37.6
739LF_8 X 1/2	8	1/2	5.6	27	16.8	46.0
739LF_10 X 1/4	10	1/4	7.7	19	17.5	38.1
739LF_10 X 3/8	10	3/8	7.1	22	17.5	40.1
739LF_10 X 1/2	10	1/2	7.7	27	17.5	46.5
739LF_12 X 1/4	12	1/4	9.1	19	23.1	43.4
739LF_12 X 3/8	12	3/8	9.1	22	23.1	45.5
739LF_12 X 1/2	12	1/2	9.1	27	23.1	52.3
739LF_16 X 3/8	16	3/8	12.7	24	24.7	48.0
739LF_16 X 1/2	16	1/2	12.7	27	24.7	53.1
739LF_20 X 1/2	20	1/2	15.1	27	26.6	56.0
739LF_20 X 3/4	20	3/4	15.1	35	26.6	56.0

- "D" - Dimension is minimum opening.
- Dimensions are for reference only, and are subject to change without notice.

For inches, see next page

739 LF
FEMALE ADAPTER (Cont'd)
TUBE TO PIPE

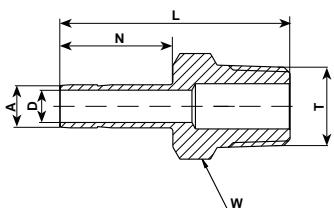


TUBE (INCH) FEMALE PIPE

Ordering Information	A Tube O.D.		T (NPT)		D		W Hex. Flat		N		L	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
739LF _ 1/8 X 1/8	1/8	3.17	1/8	.08	2.3	9/16	14.3	.53	13.45	1.24	31.5	
739LF _ 1/8 X 1/4	1/8	3.17	1/4	.08	2.3	3/4	19.1	.53	13.45	1.39	35.3	
739LF _ 3/16 X 1/4	3/16	4.76	1/4	.12	3.0	3/4	19.1	.56	14.20	1.41	35.8	
739LF _ 1/4 X 1/8	1/4	6.35	1/8	.17	4.2	9/16	14.3	.62	15.75	1.30	33.0	
739LF _ 1/4 X 1/4	1/4	6.35	1/4	.17	4.2	3/4	19.1	.62	15.75	1.46	37.1	
739LF _ 1/4 X 3/8	1/4	6.35	3/8	.17	4.2	7/8	22.2	.62	15.75	1.55	39.4	
739LF _ 1/4 X 1/2	1/4	6.35	1/2	.17	4.2	1 1/16	27.0	.62	15.75	1.79	45.5	
739LF _ 5/16 X 1/4	5/16	7.93	1/4	.24	6.0	3/4	19.1	.66	16.75	1.48	37.6	
739LF _ 3/8 X 1/8	3/8	9.52	1/8	.28	7.1	9/16	14.3	.69	17.50	1.35	34.3	
739LF _ 3/8 X 1/4	3/8	9.52	1/4	.28	7.1	3/4	19.1	.69	17.50	1.50	38.1	
739LF _ 3/8 X 3/8	3/8	9.52	3/8	.28	7.1	7/8	22.2	.69	17.50	1.59	40.4	
739LF _ 3/8 X 1/2	3/8	9.52	1/2	.28	7.1	1 1/16	27.0	.69	17.50	1.84	46.7	
739LF _ 1/2 X 1/4	1/2	12.70	1/4	.39	9.9	3/4	19.1	.91	23.10	1.71	43.4	
739LF _ 1/2 X 3/8	1/2	12.70	3/8	.39	9.9	7/8	22.2	.91	23.10	1.79	45.5	
739LF _ 1/2 X 1/2	1/2	12.70	1/2	.39	9.9	1 1/16	27.0	.91	23.10	2.04	51.8	
739LF _ 5/8 X 1/2	5/8	15.87	1/2	.50	12.7	1 1/16	27.0	.97	24.65	2.09	53.1	
739LF _ 3/4 X 1/2	3/4	19.05	1/2	.59	15.0	1 1/16	27.0	.97	24.65	2.08	52.8	
739LF _ 3/4 X 3/4	3/4	19.05	3/4	.59	15.0	1 5/16	33.3	.97	24.65	2.16	54.9	
739LF _ 3/4 X 1	3/4	19.05	1	.59	15.0	1 5/8	41.3	.97	24.65	2.30	58.4	
739LF _ 1 X 3/4	1	25.40	3/4	.80	20.3	1 5/16	33.3	1.23	31.20	2.39	60.7	
739LF _ 1 X 1	1	25.40	1	.80	20.3	1 5/8	41.3	1.23	31.20	2.53	64.3	

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

739 LM
MALE ADAPTER
TUBE TO PIPE



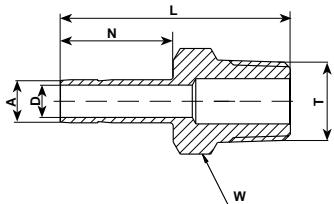
TUBE (METRIC) MALE PIPE

Ordering Information	A Tube O.D.	T (NPT)	D	W Hex. Flat		N	L
	mm	in	mm	in	mm	mm	mm
739LM _ 3 X 1/8	3	1/8	2.1	-	12	13.5	30.0
739LM _ 3 X 1/4	3	1/4	2.1	-	14	13.5	35.3
739LM _ 6 X 1/8	6	1/8	4.0	-	12	15.7	32.8
739LM _ 6 X 1/4	6	1/4	4.0	-	14	15.7	38.1
739LM _ 6 X 3/8	6	3/8	4.0	11/16	17.5	15.7	37.0
739LM _ 6 X 1/2	6	1/2	4.0	-	22	15.7	43.4
739LM _ 8 X 1/8	8	1/8	5.6	-	12	16.8	33.5
739LM _ 8 X 1/4	8	1/4	5.6	-	14	16.8	39.1
739LM _ 8 X 1/2	8	1/2	5.6	-	22	16.8	43.0
739LM _ 10 X 1/4	10	1/4	7.1	9/16	14.3	17.5	39.9
739LM _ 10 X 3/8	10	3/8	7.7	-	18	17.5	40.6
739LM _ 10 X 1/2	10	1/2	7.7	-	22	17.5	46.2
739LM _ 12 X 1/4	12	1/4	7.1	-	16	23.1	46.5
739LM _ 12 X 3/8	12	3/8	9.1	-	18	23.1	46.5
739LM _ 12 X 1/2	12	1/2	9.1	-	22	23.1	52.0
739LM _ 16 X 1/2	16	1/2	11.9	-	22	24.7	50.5
739LM _ 20 X 3/4	20	3/4	15.1	-	27	26.6	54.3

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

For inches, see next page

739 LM
MALE ADAPTER (Cont'd)
TUBE TO PIPE



TUBE (INCH) MALE PIPE

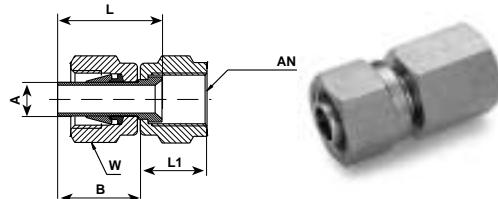
Ordering Information	A Tube O.D.		T (NPT)		D		W Hex. Flat		N		L	
	in	mm	in	in	mm	in	mm	in	mm	in	mm	
739LM _ 1/8 X 1/8	1/8	3.17	1/8	.09	2.3	7/16	11.1	.53	13.45	1.16	29.5	
739LM _ 1/8 X 1/4	1/8	3.17	1/4	.09	2.2	9/16	14.3	.53	13.45	1.37	34.8	
739LM _ 3/16 X 1/8	3/16	4.76	1/8	.12	3.0	7/16	11.1	.56	14.20	1.19	30.2	
739LM _ 3/16 X 1/4	3/16	4.76	1/4	.12	3.0	9/16	14.3	.56	14.20	1.40	35.6	
739LM _ 1/4 X 1/8	1/4	6.35	1/8	.17	4.2	7/16	11.1	.62	15.75	1.25	31.8	
739LM _ 1/4 X 1/4	1/4	6.35	1/4	.17	4.2	9/16	14.3	.62	15.75	1.46	37.1	
739LM _ 1/4 X 3/8	1/4	6.35	3/8	.17	4.2	11/16	17.5	.62	15.75	1.49	37.9	
739LM _ 1/4 X 1/2	1/4	6.35	1/2	.17	4.2	7/8	22.2	.62	15.75	1.71	43.4	
739LM _ 5/16 X 1/8	5/16	7.93	1/8	.24	6.0	7/16	11.1	.66	16.75	1.29	32.7	
739LM _ 5/16 X 1/4	5/16	7.93	1/4	.24	6.0	9/16	14.3	.66	16.75	1.50	38.1	
739LM _ 3/8 X 1/8	3/8	9.52	1/8	.28	7.1	7/16	11.1	.69	17.50	1.32	33.5	
739LM _ 3/8 X 1/4	3/8	9.52	1/4	.28	7.1	9/16	14.3	.69	17.50	1.53	38.9	
739LM _ 3/8 X 3/8	3/8	9.52	3/8	.28	7.1	11/16	17.5	.69	17.50	1.56	39.6	
739LM _ 3/8 X 1/2	3/8	9.52	1/2	.28	7.1	7/8	22.2	.69	17.50	1.78	45.2	
739LM _ 1/2 X 1/4	1/2	12.70	1/4	.28	7.1	9/16	14.3	.91	23.10	1.75	44.5	
739LM _ 1/2 X 3/8	1/2	12.70	3/8	.37	9.9	11/16	17.5	.91	23.10	1.78	45.2	
739LM _ 1/2 X 1/2	1/2	12.70	1/2	.39	9.9	7/8	22.2	.91	23.10	20.0	50.8	
739LM _ 5/8 X 3/8	5/8	15.87	3/8	.37	11.9	11/16	17.5	.97	24.65	1.81	47.6	
739LM _ 5/8 X 1/2	5/8	15.87	1/2	.47	11.9	7/8	22.2	.97	24.65	2.06	52.3	
739LM _ 5/8 X 3/4	5/8	15.87	3/4	.50	12.7	1 1/16	27.0	.97	24.65	2.03	52.3	
739LM _ 3/4 X 1/2	3/4	19.05	1/2	.47	11.9	7/8	22.2	.97	24.65	2.06	52.3	
739LM _ 3/4 X 3/4	3/4	19.05	3/4	.59	15.0	1 1/16	27.0	.97	24.65	2.06	52.3	
739LM _ 3/4 X 1	3/4	19.05	1	.59	15.0	1 3/8	34.9	.97	24.65	2.28	57.3	
739LM _ 7/8 X 3/4	7/8	22.22	3/4	.60	15.9	1 1/16	27.0	1.05	26.60	2.09	54.3	
739LM _ 1 X 3/4	1	25.40	3/4	.60	15.8	1 1/16	27.0	1.30	33.00	2.31	58.7	
739LM _ 1 X 1	1	25.40	1	.80	20.3	1 3/8	34.9	1.23	31.20	2.60	66.0	

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

LET-LOK® TUBE FITTINGS

761 LFL

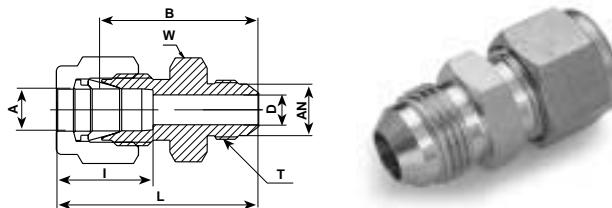
LET-LOK® TO AN ADAPTER



Ordering Information	A Tube O.D.		AN Tube Flare Size		W Hex. Flat		L		L1		B	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
761LFL_ 1/8 X 1/8	1/8	3.17	1/8	3.17	3/8	9.5	.73	18.54	.54	13.71	.53	13.46
761LFL_ 1/8 X 1/4	1/8	3.17	1/4	6.35	9/16	14.3	.75	19.05	.62	15.74	.53	13.46
761LFL_ 1/4 X 1/4	1/4	6.35	1/4	6.35	9/16	14.3	.84	21.33	.62	15.74	.62	15.75
761LFL_ 3/8 X 3/8	3/8	9.52	3/8	9.52	11/16	17.5	.98	24.89	.72	21.59	.69	17.53
761LFL_ 1/2 X 1/2	1/2	12.70	1/2	12.70	7/8	22.2	1.25	31.75	.85	21.59	.91	23.1

762 LFL

LET-LOK® TO AN UNION

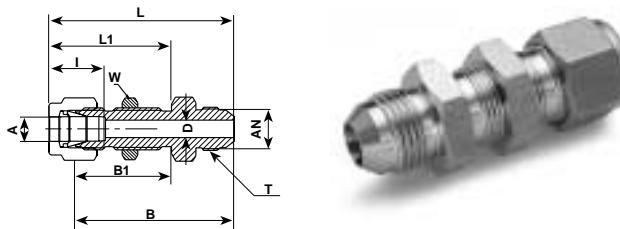


TUBE (INCH) TO TUBE (INCH)

Ordering Information	A Tube O.D.		AN Tube Flare Size		D		W Hex. Flat		B		L		I		T Straight Thread
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
762LFL_ 1/16 X 1/8	1/16	1.58	1/8	3.17	.05	1.27	7/16	11.1	0.92	23.36	1.07	27.18	.34	8.64	5/16-24
762LFL_ 1/8 X 1/8	1/8	3.17	1/8	3.17	.06	1.52	7/16	11.1	1.01	25.65	1.27	32.26	.50	12.70	5/16-24
762LFL_ 1/8 X 1/4	1/8	3.17	1/4	6.35	.09	2.28	1/2	12.7	1.12	28.44	1.38	35.05	.50	.12.70	7/16-20
762LFL_ 1/4 X 1/4	1/4	6.35	1/4	6.35	.17	4.31	1/2	12.7	1.19	30.22	1.48	37.59	.60	15.24	7/16-20
762LFL_ 3/8 X 1/4	3/8	9.52	1/4	6.35	.17	4.31	5/8	15.9	1.27	32.25	1.56	39.62	.66	16.76	7/16-20
762LFL_ 3/8 X 3/8	3/8	9.52	3/8	9.52	.28	7.11	5/8	15.9	1.27	32.25	1.56	39.62	.66	16.76	9/16-18
762LFL_ 1/2 X 1/2	1/2	12.70	1/2	12.70	.39	9.90	13/16	20.6	1.41	35.8	1.81	45.96	.90	22.86	3/4-16
762LFL_ 3/4 X 3/4	3/4	19.05	3/4	19.05	.61	15.49	1 1/8	28.6	1.70	43.18	2.10	53.34	.96	24.38	1 1/16-12
762LFL_ 1 X 1	1	25.40	1	25.40	.84	21.34	1 3/8	34.9	1.94	49.28	2.42	61.47	1.23	31.24	1 5/16-12

774 LFL

LET-LOK® TO AN BULKHEAD UNION



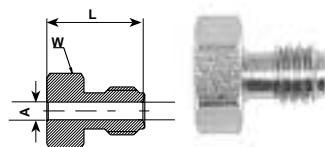
TUBE (INCH) TO TUBE (INCH)

Ordering Information	A Tube O.D.		AN Tube Flare Size		D		W Hex. Flat		B		B1		L		L1		T Straight Thread	Panel hole drill size	Max. panel thickness	I			
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm				in	mm		
774LFL_ 1/4 X 1/4	1/4	6.35	1/4	6.35	.17	4.30	5/8	15.9	1.83	46.48	1.03	26.16	2.12	53.84	1.32	33.52	7/16-20	29/64	11.50	0.40	10.16	0.6	15.2
774LFL_ 3/8 X 3/8	3/8	9.52	3/8	9.52	.28	7.11	3/4	19.1	1.96	49.78	1.16	29.46	2.25	57.15	1.45	36.83	9/16-18	37/64	14.68	0.44	11.17	0.66	16.8
774LFL_ 1/2 X 1/2	1/2	12.70	1/2	12.70	.39	9.90	15/16	23.8	2.19	55.63	1.25	31.75	2.59	65.79	1.65	41.91	3/4-16	49/64	19.45	0.50	12.70	0.90	22.9
774LFL_ 3/4 X 3/4	3/4	19.05	3/4	19.05	.61	15.49	1 3/16	30.2	2.71	68.83	1.47	37.34	3.11	78.99	1.87	47.5	1 1/16-12	1 1/64	25.80	0.66	16.76	0.96	24.4
774LFL_ 1 X 1	1	25.40	1	25.40	.84	21.33	1 5/8	41.3	3.16	80.26	1.78	45.21	3.64	92.46	2.26	57.4	1 5/16-12	121/64	33.73	0.75	19.05	1.23	31.2

• "D" - Dimension is minimum opening. • Dimensions are for reference only, and are subject to change without notice.

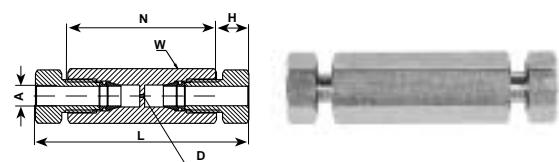
CHROMATOGRAPH FITTINGS

961 L
MALE NUT
(INCH)



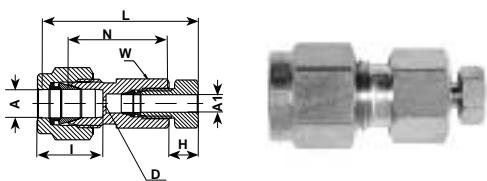
Ordering Information	A		W		L		
	Tube O.D.		Hex. Flat		in	mm	
961L_ 1/16	1/16	1.58	1/4	6.4	3/8	9.52	

962 L
UNION
(INCH)



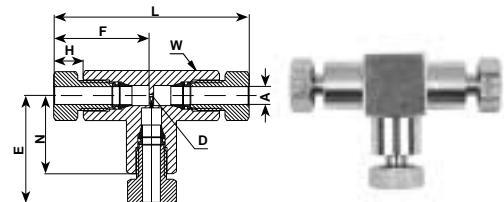
Ordering Information	A		D		W		N		H		L		Dead space
	Tube O.D.		in	mm	Hex. Flat		in	mm	in	mm	in	mm	
962L_ 1/16	1/16	1.58	0.013	0.33	1/4	6.4	0.84	21.34	0.2	5.08	1.25	31.75	$6.6 \times 10^{-5} \text{cc}$

963 L
REDUCING UNION
(INCH)



Ordering Information	A		A1		D		W		N		L		H		I		Dead space
	Tube O.D.		Tube O.D.		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
963L_ 1/4 X 1/16	1/4	6.35	1/16	1.58	.013	0.33	1/2	12.7	.75	19.05	1.24	31.50	.20	5.08	0.6	15.2	$6.8 \times 10^{-5} \text{cc}$
963L_ 3/8 X 1/16	3/8	9.52	1/16	1.58	.013	0.33	5/8	15.9	.81	20.57	1.30	33.02	.20	5.08	0.66	16.8	$6.8 \times 10^{-5} \text{cc}$

964 L
UNION TEE
(INCH)

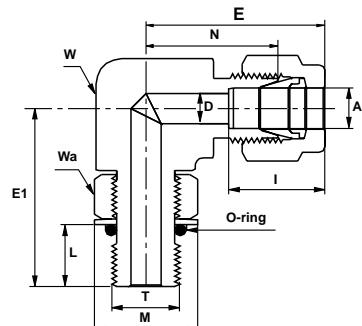


Ordering Information	A		D		W		N		H		F		E		L		Dead Space
	Tube O.D.		in	mm	Wrench Flat		in	mm	in	mm	in	mm	in	mm	in	mm	
964L_ 1/16	1/16	1.58	.013	0.33	3/8	9.5	0.45	11.43	0.20	5.08	0.61	15.49	0.65	16.51	1.30	33.02	$2.8 \times 10^{-4} \text{cc}$

• "D" - Dimension is minimum opening. • Dimensions are for reference only, and are subject to change without notice.

LET-LOK® TUBE FITTINGS
POSITIONABLES
 PER SAE J1926 AND MS 16142

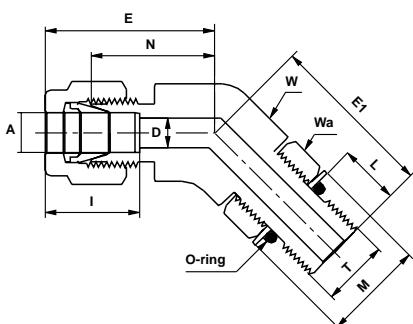
769 LOB
 MALE ELBOW



TUBE TO SAE/MS STRAIGHT THREAD BOSS (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring**	
	Tube O.D.	SEA/MS		Wrench Flat	Hex. Flat								
	in mm	in	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Dash No.	
769LOB SS 1/4 X 7/16-20 POS.	1/4 6.35	7/16-20	0.19	4.8	1/2 12.7	9/16 14.3	0.83	21.1	1.12	28.5	1.12	28.5	0.39 9.9 0.65 16.5 0.60 15.2 904

769 LOB 45°
 MALE ELBOW 45°



TUBE TO SAE/MS STRAIGHT THREAD BOSS (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring**	
	Tube O.D.	SEA/MS		Wrench Flat	Hex. Flat								
	in mm	in	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Dash No.	
769LAOB SS 3/8 X 9/16-18 POS.	3/8 9.53	9/16-18	0.28	7.1	13/16 20.6	11/16 17.5	0.81	20.6	1.10	28.0	1.06	27.0	0.39 10.0 0.79 20.1 0.66 16.8 906

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

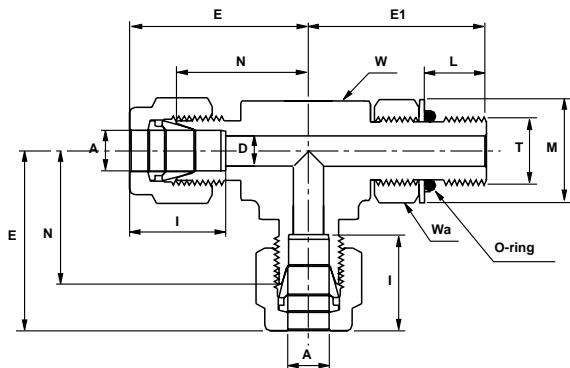
* Per B.S. 2779 ** O-rings used are Viton 90 Durometer. Other O-ring materials are available on request. For more technical information, see page 60.

LET-LOK® TUBE FITTINGS

POSITIONABLE

PER SAE J1926 AND MS 16142

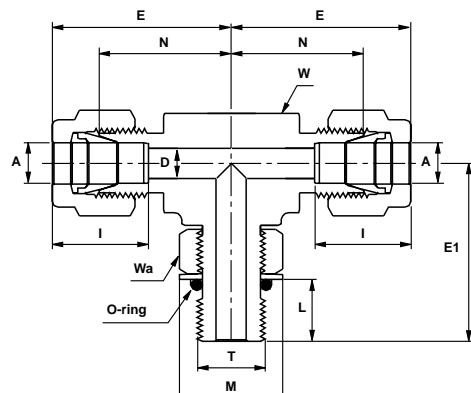
771 LOB
MALE RUN TEE



TUBE TO SAE/MS STRAIGHT THREAD BOSS (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring**
	Tube O.D.	SEA/MS		Wrench Flat	Hex. Flat							
	in mm	in	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Dash No.
771LOB SS 1/4 X 7/16-20 POS.	1/4 6.35	7/16-20	0.19 4.8	1/2 12.7	9/16 14.3	0.83 21.1	1.12 28.5	1.12 28.5	0.39 9.9	0.65 16.5	0.60 15.2	904

772 LOB
MALE BRANCH TEE



TUBE TO SAE/MS STRAIGHT THREAD BOSS (POSITIONABLE)*

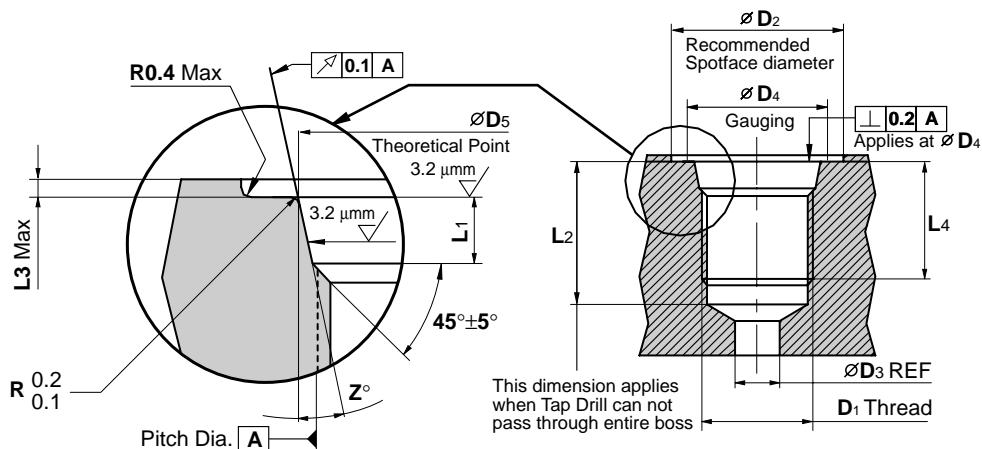
Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring**
	Tube O.D.	SEA/MS		Wrench Flat	Hex. Flat							
	in mm	in	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	Dash No.
772LOB SS 1/4 X 7/16-20 POS.	1/4 6.35	7/16-20	0.19 4.8	1/2 12.7	9/16 14.3	0.83 21.1	1.12 28.5	1.12 28.5	0.39 9.9	0.65 16.5	0.60 15.2	904

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

* Per B.S. 2779 ** O-rings used are Viton 90 Durometer. Other O-ring materials are available on request. For more technical information, see page 60.

LET-LOK® TUBE FITTINGS

DIMENSIONS FOR SAE J1926 & MS 16142 BOSS

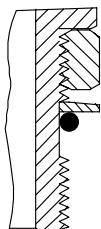


MOUNTING DIMENSIONS FOR O-SEAL CONNECTORS (SAE/MS)

TUBE O.D.		DI Thread Size	D2 Min Diameter	D3 Min Diameter	D4 Min	D5 ± 0.05	L1 ± 0.02	L2 Min	L3 Max	L4 Min Full Thread	Z° ± 1°
in	mm	in	± 0.05	mm	mm	mm	mm	mm	mm	mm	mm
1/8	3.18	5/16 - 24 UNF - 2B	17	1.6	11	9.15	2.1	12	1.6	10	12
3/16	4.76	3/8 - 24 UNF - 2B	19	3.5	13	10.75	2.1	12	1.6	10	12
1/4	6.35	7/16 - 20 UNF - 2B	21	4.5	15	12.45	2.6	14	1.6	11.5	12
5/16	7.94	1/2 - 20 UNF - 2B	23	6	16	14.05	2.6	14	1.6	11.5	12
3/8	9.52	9/16 - 18 UNF - 2B	25	7.5	18	15.70	2.7	15.5	1.6	12.7	12
1/2	12.70	3/4 - 16 UNF - 2B	30	10	22	20.65	2.7	17.5	2.4	14.3	15
5/8	15.88	7/8 - 14 UNF - 2B	34	12.5	26	24	2.7	20	2.4	16.7	15
3/4	19.05	1 1/16 - 12 UNF - 2B	41	16	32	29.2	3.5	23	2.4	19	15
7/8	22.22	1 3/16 - 12 UN - 2B	45	18	35	32.4	3.5	23	2.4	19	15
1	25.40	1 5/16 - 12 UN - 2B	49	21	38	35.55	3.5	23	3.2	19	15

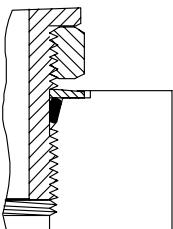
INSTALLATION INSTRUCTIONS

Figure 1
Locking backed off



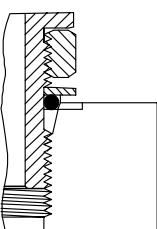
Lubricate the O-ring by inserting it into the groove adjacent to the face of the metal back-up washer which is assembled at the extreme end of the groove as shown in Figure 1.

Figure 2
Fitting install hand tight



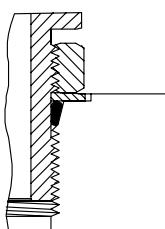
Install the fitting into the S.A.E. straight thread boss, figure 2, until the metal back-up washer contacts the face of the boss as shown in Figure 2.

Figure 3
Fittings backed-off for alignment (1 turn maximum)



Position the fitting by turning it counter clockwise up to a maximum of one turn (see Figure 3).

Figure 4
Fitting locknut tight to appropriate torque



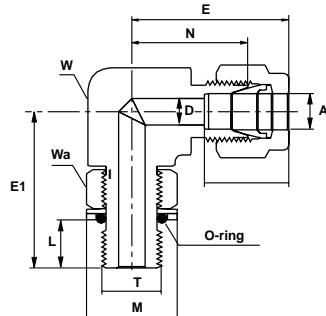
Holding the pad of the fitting with a spanner, tighten the locknut and washer against the face as shown in Figure 4.

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

LET-LOK® TUBE FITTINGS

POSITIONABLE ISO PARALLEL THREAD

769 LG
MALE ELBOW



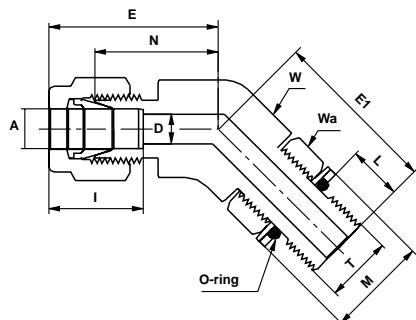
TUBE (INCH) TO ISO PARALLEL THREAD (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer										
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm										
	in	mm	in	in	mm	in	mm	in	mm	in	mm	in	mm										
769LG SS 1/4 X 1/8 POS.	1/4	6.35	1/8-28 BSPP	0.16	4.0	1/2	12.7	9/16	14.3	0.77	19.6	1.06	26.9	1.04	26.4	0.32	8.1	0.68	17.3	0.60	15.3	8.0	17.3x1.1

TUBE (METRIC) TO ISO PARALLEL THREAD (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer			
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm			
	mm	in	mm	in	mm	mm	mm	mm	mm	mm	mm	mm	mm			
769LG SS 6 X 1/8 POS.	6		1/8-28 BSPP	4.0	1/2	12.7	9/16	14.3	19.6	26.9	26.4	8.1	17.3	15.3	8.0	17.3x1.1

769 LG 45°
MALE ELBOW 45°



TUBE (INCH) TO ISO PARALLEL THREAD (POSITIONABLE)*

Description	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer										
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm										
	in	mm	in	in	mm	in	mm	in	mm	in	mm	in	mm										
769LAG SS 1/4 X 1/8 POS.	1/4	6.35	1/8-28 BSPP	0.16	4.0	9/16	14.3	9/16	14.3	0.69	17.5	0.98	24.9	0.94	24.0	0.32	8.1	0.68	17.3	0.60	15.3	8.0	17.3x1.1

TUBE (METRIC) TO ISO PARALLEL THREAD (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer						
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm						
	mm	in	mm	in	mm	mm	mm	mm	mm	mm	mm	mm	mm						
769LAG SS 6 X 1/8 POS.	6		1/8-28 BSPP	4.0	9/16	14.3	9/16	14.3	17.5	24.9	24.0	0.32	8.1	0.68	17.3	0.60	15.3	8.0	17.3x1.1

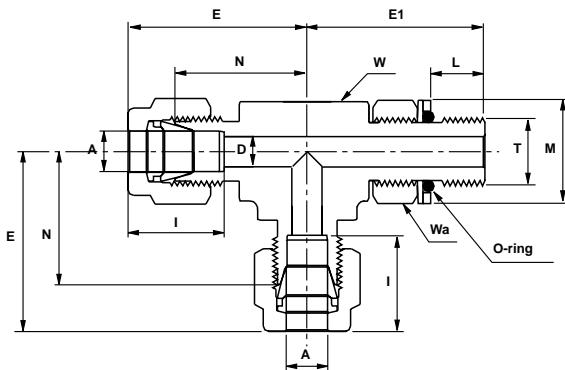
● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

* Per B.S. 2779 ** O-rings used are Viton 90 Durometer. Other O-ring materials are available on request. For more technical information, see page 63.

LET-LOK® TUBE FITTINGS

POSITIONABLE ISO PARALLEL THREAD

771 LG
MALE RUN TEE



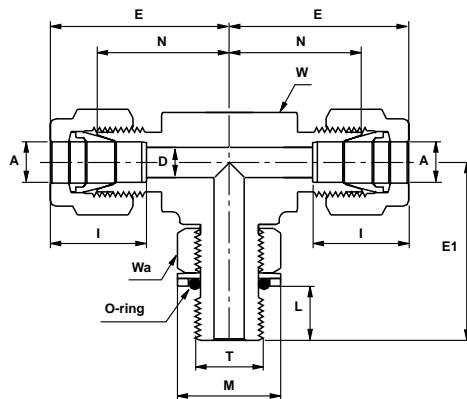
TUBE (INCH) TO ISO PARALLEL THREAD (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer										
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm										
771LG SS 1/4 X 1/8 POS.	1/4	6.35	1/8-28 BSPP	0.16	4.0	1/2	12.7	9/16	14.3	0.77	19.6	1.06	27	1.04	26.4	0.32	8.1	0.58	17.3	0.50	15.3	8.0	17.3x1.1

TUBE (METRIC) TO ISO PARALLEL THREAD (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer		
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm		
771LG SS 6 X 1/8 POS.	6	1/8-28 BSPP	4.0	1/2	12.7	9/16	14.3	19.5	27.0	26.4	8.1	17.3	15.3	8.0	17.3x1.1

772 LG
MALE BRANCH TEE



TUBE (INCH) TO ISO PARALLEL THREAD (POSITIONABLE)*

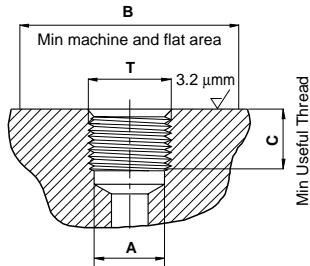
Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer										
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm										
772LG SS 1/4 X 1/8 POS.	1/4	6.35	1/8-28 BSPP	0.15	4.0	1/2	12.7	9/16	14.3	0.77	19.6	1.06	26.9	1.04	26.4	0.32	8.1	0.68	17.3	0.60	15.3	8.0	17.3x1.1

TUBE (METRIC) TO ISO PARALLEL THREAD (POSITIONABLE)*

Ordering Information	A	T	D	W	Wa	N	E	E1	L	M	I	O-ring** I.D.	Washer		
	Tube O.D.	(ISO)		Wrench Flat	Hex. Flat							DASH No.	mm		
772LG SS 6 X 1/8 POS.	6	1/8-28 BSPP	4.0	1/2	12.7	9/16	14.3	19.6	24.0	26.4	8.1	17.3	15.3	8.0	17.3x1.1

● "D" - Dimension is minimum opening. ● Dimensions are for reference only, and are subject to change without notice.

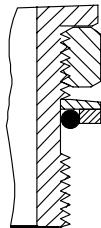
* Per B.S. 2779 ** O-rings used are Viton 90 Durometer. Other O-ring materials are available on request. For more technical information, see page 63.

ISO PARALLEL THREAD PER B.S. 2779

MOUNTING DIMENSIONS CONNECTORS

T Female	A Thread Minor Diameter				B Min Machine and Flat Area		C Min useful Thread	
	max		min					
	in	mm	in	mm	in	mm	in	mm
1/8 - 28	0.35	8.89	0.34	8.64	0.53	13.50	0.28	7.00

INSTALLATION INSTRUCTIONS:
Figure 1

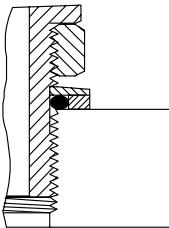
Locking backed off



Lubricate O-ring by inserting it in the groove adjacent to the face of the metal back-up washer which is assembled at the extreme end of the groove as shown in Figure 1.

Figure 2

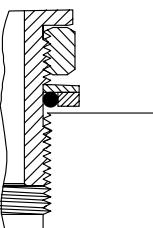
Fitting install hand tight



Install the fitting into the S.A.E. straight thread boss, Figure 2, until the metal back-up washer contacts the face of the boss as shown in Figure 2.

Figure 3

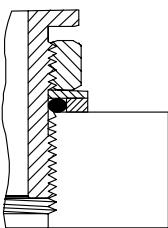
Fittings backed - off for alignment (1 turn maximum)



Position the fitting by turning counter clockwise up to maximum of one turn. see Figure 3.

Figure 4

Fitting locknut tight to appropriate torque



Holding the pad of the fitting with a wrench, tighten the locknut and washer against the face as shown in Figure 4.

ALLOY 400/R-405 CONNECTORS

Monel nickel-copper alloy 400 is a solid-solution alloy that can be hardened only by cold working. It has high strength and toughness over a wide temperature range and excellent resistance to many corrosive environments. Alloy 400 is widely used in many fields, especially marine and chemical processing.

MONEL MATERIAL STD

Barstock	Forging
ASTM B 164	ASTM B 564

760LB - Back ferrule*	760LF - Front ferrule*	761L - Nut	762L - Union
Ordering Info.	Ordering Info.	Ordering Info.	Ordering Info.
Tube O.D.	Tube O.D.	Tube O.D.	Tube O.D.
760LB M 1/4	760LF M 1/4	761L M 1/4	762L M 1/4
760LB M 3/8	760LF M 3/8	761L M 3/8	762L M 3/8
760LB M 1/2	760LF M 1/2	761L M 1/2	762L M 1/2
764L - Union tee	765L - Union elbow	767LP - Port connector	7108L - Cap
Ordering Info.	Ordering Info.	Ordering Info.	Ordering Info.
Tube O.D.	Tube O.D.	Tube O.D.	Tube O.D.
764L M 1/4	765L M 1/4	767LP M 1/4	7108L M 1/4
764L M 3/8	765L M 3/8	767LP M 3/8	7108L M 3/8
764L M 1/2	765L M 1/2	767LP M 1/2	7108L M 1/2

* All LET-LOK ferrules are available as sets.

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

774L - Bulkhead union			7121L - Plug			767LT - Reducer				
	Ordering Info.	Tube O.D.		Ordering Info.	Tube O.D.		Ordering Info.	Tube O.D.		
	774L M 1/4	1/4		7121L M 1/4	1/4		767LT M 1/4 x 1/4	1/4		
	774L M 3/8	3/8		7121L M 3/8	3/8		767LT M 1/4 x 3/8	1/4		
				7121L M 1/2	1/2		767LT M 1/4 x 1/2	1/4		
							767LT M 3/8 x 1/4	3/8		
							767LT M 3/8 x 3/8	3/8		
							767LT M 3/8 x 1/2	1/2		
							767LT M 1/2 x 1/4	1/2		
							767LT M 1/2 x 3/8	1/2		
							767LT M 1/2 x 1/2	1/2		
769L - Male elbow			766L - Female connector			739LF - Female adapter				
	Ordering Info.	Tube O.D.	Male pipe size		Ordering Info.	Tube O.D.	Female pipe size			
	769L M 1/4 x 1/4	1/4	1/4		766L M 1/4 x 1/4	1/4	1/4			
	769L M 3/8 x 1/4	3/8	1/4		766L M 3/8 x 1/4	3/8	1/4			
	769L M 1/2 x 1/2	1/2	1/2							
739LM - Male adapter			768L - Male connector			768L - Male connector				
	Ordering Info.	Tube O.D.	Tube O.D.		Ordering Info.	Tube O.D.	Male pipe size			
	739LM M 1/4 x 1/8	1/4	1/8		768L M 1/4 x 1/8	1/4	1/8			
	739LM M 1/4 x 1/4	1/4	1/4		768L M 1/4 x 1/4	1/4	1/4			
	739LM M 1/4 x 1/2	1/4	1/2		768L M 1/4 x 3/8	1/4	3/8			
	739LM M 3/8 x 1/4	3/8	1/4		768L M 1/4 x 1/2	1/4	1/2			
	739LM M 3/8 x 1/2	3/8	1/2		768L M 3/8 x 1/4	3/8	1/4			
	739LM M 1/2 x 1/4	1/2	1/4		768L M 3/8 x 3/8	3/8	3/8			
	739LM M 1/2 x 1/2	1/2	1/2		768L M 3/8 x 1/2	3/8	1/2			
					768L M 1/2 x 1/4	1/2	1/4			
					768L M 1/2 x 3/8	1/2	3/8			
					768L M 1/2 x 1/2	1/2	1/2			
					768L M 1/2 x 3/4	1/2	3/4			
Dimensions are for reference only, and are subject to change without notice.										
LET-LOK TUBING DATA FOR ALLOY 400										
Alloy 400 tubes should be ordered according to ASTM B-165. Hydraulic tubing is suitable for flaring and bending. Tubing should be seamless and annealed. Hardness: 75 HRB maximum.	Tubing O.D.	In	0.028	0.035	0.049	0.065	0.083	0.095	0.109	0.120
	1/4		3700	4800	7000	9500				
	3/8			3100	4400	6100				
	1/2		2300	3200	4400					
Allowable working pressure in psig at -20° to 100°F (-28° to 37°C)										
GAS APPLICATION TUBING										
Tube O.D.		Min. Nominal wall thickness								
1/2		0.035								