



Flare Brass Fittings

Product Specifications

Mainline® flare fittings are manufactured by Tribal Manufacturing, Inc. and offer a wide variety of flare fittings including Standard 45°, Inverted 45°, POL, Gas Range, and Fine Thread (9/16" x 24) for space heater applications.

Flare fittings are designed for higher pressure applications and are commonly used for gasoline, grease, oil, water, vacuum, air lines, L.P. and natural gas. Flare fittings can also be used for refrigeration, air conditioning and other applications involving hard-to-hold liquids and gases using forged nuts.

Recommended for use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared. Not recommended for use with polybutylene or soft plastic tubing.

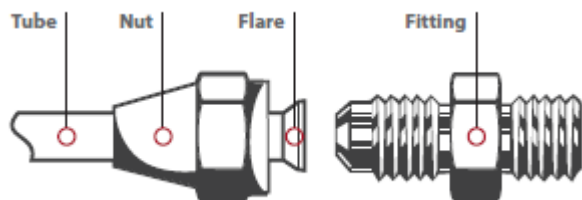
TECHNICAL SPECIFICATIONS

Temperature: -65°F to 250°F

Working Pressure: Temperature and type of tubing must be considered for proper fitting selection. The following is based on 70°F with copper tube. POL and Gas Fittings have a maximum working pressure of 250 psi.

INSTALLATION INSTRUCTIONS

Cut tubing square and put nut onto tubing. Flare tubing with 45° flaring tool and hand tighten nut over flare and onto fitting body. Wrench tighten for positive metal-to-metal seal. Do not over tighten.



Copper Tube o.d.	Tube Wall inches	PSI (Flare Fitting)
1/8"	0.030	2800
3/16"	0.030	1900
1/4"	0.030	1400
5/16"	0.032	1200
3/8"	0.032	900
1/2"	0.032	700
5/8"	0.035	640
3/4"	0.035	550
7/8"	0.035	450

THREAD SIZES

Fitting	45° and inverted	pol	Gas	Fine Thread
1/8"	5/16" X 24			
3/16"	3/8" X 24			
1/4"	7/16" X 24	.880-14LHT X 1/4"F		9/16" x 24
5/16"	1/2" X 24			
3/8"	5/8" X 18	.880-14LHT X 3/8"F		9/16" x 24
7/16"	5/8" X 24			
1/2"	3/4" X 16	.880-14LHT X 1/2"F	15/16" X 1/2"	
5/8"	7/8" X 18		15/16" X 5/8"	
3/4"	1" X 18		15/16" X 3/4"	
7/8"	1-1/8" X 18			

WARRANTY

Mainline® Flare Fittings will be covered by Tribal Manufacturing, Inc.'s limited warranty. It is as follows:

The manufacturer warrants all products to be free from defects in materials and workmanship for 5 years from date of purchase provided that the products are used under normal operating conditions and for the use intended. The fittings must be installed by a licensed contractor. The manufacturer will replace the amount of proven defective product with a like quantity free of charge.



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No.41-S Flare Brass Short Nut

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
41-S-3	600500	A-41S3	3/16" FLARE	10	100	3.5
* ML41-S-4	600501-H	A-60	1/4" FLARE	10	100	3.5
* 41-S-5	600502	A-80SF	5/16" FLARE	10	100	4.0
* ML41-S-6	600503-H	A-160	3/8" FLARE	10	100	5.0
* ML41-S-8	600504-H	A-260	1/2" FLARE	10	100	7.0
* ML41-S-10	600505-H	A-335	5/8" FLARE	10	100	10.5
* ML41-S-12	600506-H	A-455	3/4" FLARE	5	50	10.0
ML41-S-14	600507-H	A-500	7/8" FLARE	5	50	18.5



No.413 Flare Brass Short Forged Nut

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
413-3	600517	A-4133	3/16" FLARE	10	100	3.5
ML413-4	600518-H	A-4134	1/4" FLARE	10	100	4.0
413-5	600519	A-4135	5/16" FLARE	10	100	5.0
ML413-6	600520-H	A-162	3/8" FLARE	10	100	6.0
ML413-8	600521-H	A-262	1/2" FLARE	10	100	8.0
ML413-10	600522-H	A-338	5/8" FLARE	10	100	12.0
413-14	600523	A-501	7/8" FLARE	5	50	21.0

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No.39-P Flare Brass Plug Lead Free

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
* ML39-P-4LF	500525-H	LFA-59	1/4" FLARE	10	100	2.5
39-P-5	500526	LFA-165SF	5/16" FLARE	10	100	3.0
* ML39-P-6LF	500527-H	LFA-159	3/8" FLARE	10	100	5.0
* ML39-P-8LF	500528-H	LFA-259	1/2" FLARE	10	100	8.0
* ML39-P-10LF	500529-H	LFA-334	5/8" FLARE	10	100	13.0



No.40-C Flare Brass Cap Lead Free

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
* 40-C-3	500535	LFA-40C3 **	3/16" FLARE	10	100	2
* ML40-C-4LF	500536-H	LFA-63	1/4" FLARE	10	100	2.5
ML40-C-5LF	500537-H	LFA-19SF	5/16" FLARE	10	100	3.0
* ML40-C-6LF	500538-H	LFA-163	3/8" FLARE	10	100	4.0
* ML40-C-8LF	500539-H	LFA-263	1/2" FLARE	10	100	5.0
* ML40-C-10LF	500540-H	LFA-342	5/8" FLARE	10	100	12.0

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No.42 Flare Brass Union Lead Free

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
42-3	500550	LFA-423 **	3/16" FLARE BOTH ENDS	10	100	3.0
* ML42-4LF	500551-H	LFA-65	1/4" FLARE BOTH ENDS	10	100	3.5
42-5	500552	LFA-268SF	5/16" FLARE BOTH ENDS	10	100	4.0
* ML42-6LF	500553-H	LFA-165	3/8" FLARE BOTH ENDS	10	100	8.0
* ML42-8LF	500554-H	LFA-269	1/2" FLARE BOTH ENDS	10	100	16.0
ML42-10LF	500555-H	LFA-350	5/8" FLARE BOTH ENDS	10	100	20.0
42-12	500556	LFA-4212 **	3/4" FLARE BOTH ENDS	5	50	18.0
ML42-14LF	500557-H	LFA-4214 **	7/8" FLARE BOTH ENDS	5	50	22.0



No.42 Flare Brass Reducing Union Lead Free

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
* ML42-R-6-4LF	500560-H	LFA-165B	3/8" FLARE X 1/4" FLARE	10	100	6.0
42-R-8-4	500561	LFA-42R84 **	1/2" FLARE X 1/4" FLARE	10	100	9.5
* ML42-R-8-6LF	500562-H	LFA-268	1/2" FLARE X 3/8" FLARE	10	100	11.5
* ML42-R-10-6LF	500563-H	LFA-282SF	5/8" FLARE X 3/8" FLARE	10	100	16.0
* ML42-R-10-8LF	500564-H	LFA-349	5/8" FLARE X 1/2" FLARE	10	100	18.0
42-R-12-8	500565	LFA-42R128 **	3/4" FLARE X 1/2" FLARE	5	50	16.0

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No.44 Flare Brass Tee Lead Free




	Mainline / Industry #	Tribal Item #	Model #	Description	Bag Qty	Case Qty	Master Carton Weight (lbs)
*	ML44-4LF	500575-H	LFA-68	1/4" FLARE 3-ENDS	10	100	8.0
	44-5	500576	LFA-4450 **	5/16" FLARE 3-ENDS	10	100	13.5
*	ML44-6LF	500577-H	LFA-168	3/8" FLARE 3-ENDS	10	100	18.0
*	ML44-8LF	500578-H	LFA-271	1/2" FLARE 3-ENDS	5	50	15.0
*	ML44-10LF	500579-H	LFA-351	5/8" FLARE 3-ENDS	5	50	20.5



No.44-R Flare Brass Reducing Tee Lead Free

	Mainline / Industry #	Tribal Item #	Model #	Description	Bag Qty	Case Qty	Master Carton Weight (lbs)
*	ML44-R-6-6-4LF	500585-H	LFA-314SF	3/8" FLARE X 3/8" FLARE X 1/4" FLARE	10	100	16.5
*	44-R-6-6-8	500586	LFA-44R668 **	3/8" FLARE X 3/8" FLARE X 1/2" FLARE	10	100	25.0
	44-R-8-6-8	500587	LFA-44R868 **	1/2" FLARE X 3/8" FLARE X 1/2" FLARE	10	100	28.0
*	ML44-R-8-8-6LF	500588-H	LFA-318SF	1/2" FLARE X 1/2" FLARE X 3/8" FLARE	10	100	28.0
	44-R-8-8-10	500589	LFA-44R881 **	1/2" FLARE X 1/2" FLARE X 5/8" FLARE	10	100	29.5
	44-R-10-8-10	500590	LFA-44R181 **	5/8" FLARE X 1/2" FLARE X 5/8" FLARE	5	50	19.5
	44-R-10-10-6	500591	LFA-319SF	5/8" FLARE X 5/8" FLARE X 3/8" FLARE	5	50	18.0
*	44-R-10-10-8	500592	LFA-319ASF	5/8" FLARE X 5/8" FLARE X 1/2" FLARE	5	50	19.5

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MAINLINE



No.48 MIP Flare Brass Adapter Lead Free

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)	
	500650-H	LFA-4832 **	3/16" FLARE X 1/8" MIP	10	100	3.0	
*	500651-H	LFA-79	1/4" FLARE X 1/8" MIP	10	100	3.0	
*	500652-H	LFA-80	1/4" FLARE X 1/4" MIP	10	100	4.0	
*	500653-H	LFA-80A	1/4" FLARE X 3/8" MIP	10	100	6.5	
*	500654-H	LFA-80B	1/4" FLARE X 1/2" MIP	10	100	10.0	
	48-5-2	500655	LFA-80D	5/16" FLARE X 1/8" MIP	10	100	5.0
	500656-H	LFA-80E	5/16" FLARE X 1/4" MIP	10	100	5.5	
*	500657-H	LFA-80F	3/8" FLARE X 1/8" MIP	10	100	6.5	
*	500658-H	LFA-182	3/8" FLARE X 1/4" MIP	10	100	7.0	
*	500659-H	LFA-183	3/8" FLARE X 3/8" MIP	10	100	7.5	
*	500660-H	LFA-184	3/8" FLARE X 1/2" MIP	10	100	11.0	
*	500661-H	LFA-184D	3/8" FLARE X 3/4" MIP	10	100	17.0	
*	500662-H	LFA-4884 **	1/2" FLARE X 1/4" MIP	10	100	10.5	
*	500663-H	LFA-276	1/2" FLARE X 3/8" MIP	10	100	11.5	
*	500664-H	LFA-277	1/2" FLARE X 1/2" MIP	10	100	12.0	
*	500665-H	LFA-278	1/2" FLARE X 3/4" MIP	10	100	17.0	
*	500666-H	LFA-402SF	5/8" FLARE X 3/8" MIP	10	100	14.5	
*	500667-H	LFA-370	5/8" FLARE X 1/2" MIP	10	100	15.5	
*	500668-H	LFA-371	5/8" FLARE X 3/4" MIP	10	100	19.0	
*	500669-H	LFA-4818 **	3/4" FLARE X 1/2" MIP	5	50	14.0	
*	500670-H	LFA-472	3/4" FLARE X 3/4" MIP	5	50	14.5	
*	500671-H	LFA-473	7/8" FLARE X 3/4" MIP	5	50	20.0	

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MAINLINE



No.46 FIP Flare Brass Adapter Lead Free

	Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
*	46-4-2	500625	LFA-73	1/4" FLARE X 1/8" FIP	10	100	4.5
*	ML46-4-4LF	500626-H	LFA-75	1/4" FLARE X 1/4" FIP	10	100	5.0
*	46-4-6	500627	LFA-76	1/4" FLARE X 3/8" FIP	10	100	8.5
*	ML46-4-8LF	500628-H	LFA-77	1/4" FLARE X 1/2" FIP	10	100	11.0
*	46-5-4	500629	LFA-76SF	5/16" FLARE X 1/4" FIP	10	100	8.0
*	46-6-2	500630	LFA-4662 **	3/8" FLARE X 1/8" FIP	10	100	7.0
*	ML46-6-4LF	500631-H	LFA-175	3/8" FLARE X 1/4" FIP	10	100	6.0
*	ML46-6-6LF	500632-H	LFA-176	3/8" FLARE X 3/8" FIP	10	100	6.5
*	ML46-6-8LF	500633-H	LFA-177	3/8" FLARE X 1/2" FIP	10	100	10.0
*	ML46-6-12LF	500634-H	LFA-364SF	3/8" FLARE X 3/4" FIP	10	100	14.0
*	ML46-8-6LF	500635-H	LFA-274	1/2" FLARE X 3/8" FIP	10	100	10.0
*	ML46-8-8LF	500636-H	LFA-273	1/2" FLARE X 1/2" FIP	10	100	12.0
*	ML46-8-12LF	500637-H	LFA-275	1/2" FLARE X 3/4" FIP	10	100	14.5
*	46-10-6	500638	LFA-4616 **	5/8" FLARE X 3/8" FIP	10	100	14.0
*	ML46-10-8LF	500639-H	LFA-360	5/8" FLARE X 1/2" FIP	10	100	12.5
*	ML46-10-12LF	500640-H	LFA-361	5/8" FLARE X 3/4" FIP	10	100	14.5
	46-12-12	500641	LFA-468	3/4" FLARE X 3/4" FIP	5	50	12.5
	46-14-12	500642	LFA-374SF	7/8" FLARE X 3/4" FIP	5	50	14.0

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Flare Brass Fittings

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MAINLINE®




No.50 FIP Flare Brass Elbow 90° Lead Free

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
50-4-2	500700	LFA-5042 **	1/4" FLARE X 1/8" FIP	10	100	6.5
ML50-4-4LF	500701-H	LFA-5044 **	1/4" FLARE X 1/4" FIP	10	100	8.5
50-4-6	500702	LFA-5046 **	1/4" FLARE X 3/8" FIP	10	100	10.5
* ML50-6-6LF	500703-H	LFA-168B	3/8" FLARE X 3/8" FIP	10	100	11.5
* ML50-6-8LF	500704-H	LFA-172	3/8" FLARE X 1/2" FIP	10	100	15.0
ML50-6-12LF	500705-H	LFA-50612 **	3/8" FLARE X 3/4" FIP	10	100	19.0
50-8-4	500706	LFA-5084 **	1/2" FLARE X 1/4" FIP	10	100	13.5
* 50-8-6	500707	LFA-462SF	1/2" FLARE X 3/8" FIP	10	100	15.5
* ML50-8-8LF	500708-H	LFA-279	1/2" FLARE X 1/2" FIP	10	100	16.0
ML50-8-12LF	500709-H	LFA-464SF	1/2" FLARE X 3/4" FIP	10	100	22.5
50-10-6	500710	LFA-50106 **	5/8" FLARE X 3/8" FIP	10	100	22.0
* ML50-10-8LF	500711-H	LFA-374B	5/8" FLARE X 1/2" FIP	10	100	38.0
* ML50-10-12LF	500712-H	LFA-374	5/8" FLARE X 3/4" FIP	5	50	17.5
50-14-12	500713	LFA-468SF	7/8" FLARE X 3/4" FIP	5	25	21.0



No.55 Flare Brass Elbow Lead Free

Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
* ML55-4LF	500725-H	LFA-5540 **	1/4" FLARE BOTH ENDS	10	100	12.0
* ML55-6LF	500726-H	LFA-169	3/8" FLARE BOTH ENDS	10	100	15.0
55-8-6	500727	LFA-5586 **	1/2" FLARE X 3/8" FLARE	10	100	18.5
* ML55-8LF	500728-H	LFA-272	1/2" FLARE BOTH ENDS	10	100	20.0
55-10-6	500729	LFA-55106 **	5/8" FLARE X 3/8" FLARE	10	100	23.5
55-10-8	500730	LFA-55108 **	5/8" FLARE X 1/2" FLARE	10	100	25.5
* ML55-10LF	500731-H	LFA-373	5/8" FLARE BOTH ENDS	10	100	32.0

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No.49 MIP Flare Brass Elbow 90° Lead Free

	Mainline / Industry #	Tribal Item #	Model #	Description	Bag Quantity	Case Quantity	Master Carton Weight (lbs)
*	ML49-4-2LF	500675-H	LFA-81A	1/4" FLARE X 1/8" MIP	10	100	5.0
*	ML49-4-4LF	500676-H	LFA-81	1/4" FLARE X 1/4" MIP	10	100	8.5
	ML49-4-6LF	500677-H	LFA-4944 **	1/4" FLARE X 3/8" MIP	10	100	9.5
*	ML49-6-2LF	500678-H	LFA-185A	3/8" FLARE X 1/8" MIP	10	100	9.0
*	ML49-6-4LF	500679-H	LFA-185	3/8" FLARE X 1/4" MIP	10	100	12.0
*	ML49-6-6LF	500680-H	LFA-186	3/8" FLARE X 3/8" MIP	10	100	12.5
*	ML49-6-8LF	500681-H	LFA-186B	3/8" FLARE X 1/2" MIP	10	100	17.0
	ML49-6-12LF	500682-H	LFA-49612 **	3/8" FLARE X 3/4" MIP	10	100	18.5
	ML49-8-4LF	500683-H	LFA-4984 **	1/2" FLARE X 1/4" MIP	10	100	15.5
*	ML49-8-6LF	500684-H	LFA-280	1/2" FLARE X 3/8" MIP	10	100	17.0
*	ML49-8-8LF	500685-H	LFA-281	1/2" FLARE X 1/2" MIP	10	100	25.0
	ML49-8-12LF	500686-H	LFA-49812 **	1/2" FLARE X 3/4" MIP	10	100	24.0
	49-10-6	500687	LFA-49106 **	5/8" FLARE X 3/8" MIP	10	100	21.5
*	ML49-10-8LF	500688-H	LFA-372	5/8" FLARE X 1/2" MIP	10	100	22.5
	ML49-10-12LF	500689-H	LFA-440SF	5/8" FLARE X 3/4" MIP	10	100	25.0
	ML49-12-8LF	500690-H	LFA-49128 **	3/4" FLARE X 1/2" MIP	5	50	17.0
	49-12-12	500691	LFA-491212 **	3/4" FLARE X 3/4" MIP	5	50	15.5

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