

For Residential and Commercial Applications

Job Name:

Engineer/Architect:

Job Location:

Wholesaler:

Submittal Date:

Contractor:

144 Series Forged Flare Tee

Use: For use with fuel, oil, liquefied petroleum (LP), and natural gas lines. Designed for use with aluminum, copper, brass, and welded steel tubing that can be flared.

Design Features:

- **Recommended for higher pressures** than those covered by compression fittings
- **Resist mechanical pull out**

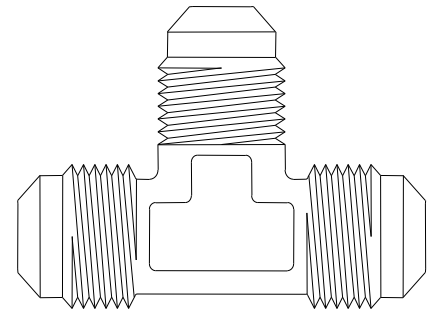
Operating Specifications:

Temperature: -65° to 250°F at maximum operating pressures

Working Pressure: See chart below

Vibration: Good vibration resistance*

*Recommend long flare nuts when greater vibration resistance is required



FITTING MATERIAL SPECIFICATIONS

Body	Brass
-------------	--------------

MAXIMUM WORKING PRESSURES

Service Conditions	Tube O.D.	Type of Tubing and Wall Thickness (Inches)									
		Copper – Dead Soft (Seamless)					Copper – Half Hard (Seamless)				
		.030"	.032"	.035"	.049"	.065"	.032"	.035"	.042"	.049"	.065"
Safety Factor 4-1	1/8	4300		5000			5000				
	3/16	2850		3300			3400				
	1/4	2100	2250	2500			2500				
	5/16		1800	2000			2000				
	3/8		1500	1650			1700	1850			
	1/2		1100	1250		2000	1250	1400			2600
	5/8			1000	1400	1800	1000			1500	2000
	3/4			850	1150	1500			1100		1700
	7/8									1100	1500
Safety Factor 6-1	1/8	2800		3350			3400				
	3/16	1900		2200			2250				
	1/4	1430	1500	1650			1700				
	5/16		1200	1300			1350				
	3/8		100	1100			1100	1200			
	1/2		750	825		1550	850	925			1750
	5/8			650	930	1200	675			1000	1350
	3/4			550	775	1000			725		1100
	7/8									750	1000

This specification and all information contained herein is the confidential and exclusive property of Brasscraft Manufacturing Company and shall not be disclosed to others without the written consent of Brasscraft Mfg. Co. This specification must be returned to Brasscraft Mfg. Co. if requested.

300.191 144 Series Forged Flare Tee REV 9.19

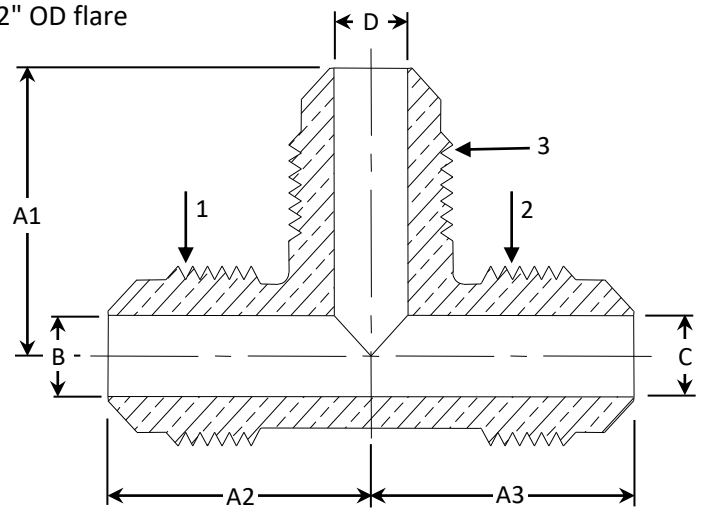
BrassCraft®

©2019 Brasscraft Manufacturing Company

144 Series Forged Flare Tee

Part Listing:

☐	144-4	1/4" OD flare, all three ends
☐	144-5	5/16" OD flare, all three ends
☐	144-6	3/8" OD flare, all three ends
☐	144-6-6-4	3/8" OD flare x 3/8" OD flare x 1/4" OD flare
☐	144-6-6-4WN	3/8" OD flare x 3/8" OD flare x 1/4" OD flare with nuts
☐	144-8	1/2" OD flare, all three ends
☐	144-8-6-6	1/2" OD flare x 3/8" OD flare x 3/8" OD flare
☐	144-8-6-8	1/2" OD flare x 3/8" OD flare x 1/2" OD flare
☐	144-8-8-6	1/2" OD flare x 1/2" OD flare x 3/8" OD flare
☐	144-8-8-10	1/2" OD flare x 1/2" OD flare x 5/8" OD flare
☐	144-10	5/8" OD Tube, all three ends
☐	144-10-8-8	5/8" OD flare x 1/2" OD flare x 1/2" OD flare
☐	144-10-10-6	5/8" OD flare x 5/8" OD flare x 3/8" OD flare
☐	144-10-10-8	5/8" OD flare x 5/8" OD flare x 1/2" OD flare



PART DIMENSIONS (Inches)									
Model	Straight Threads (1)	Straight Threads (2)	Straight Threads (3)	DIM. A1	DIM. A2	DIM. A3	DIA. B	DIA. C	DIA. D
144-4	7/16-20	7/16-20	7/16-20	.78	.78	.78	.188	.188	.188
144-5	1/2-20	1/2-20	1/2-20	.94	.94	.94	.219	.219	.219
144-6	5/8-18	5/8-18	5/8-18	1.00	1.00	1.00	.281	.281	.281
144-6-6-4	5/8-18	5/8-18	7/16-20	.91	1.00	1.00	.281	.281	.188
144-8	3/4-16	3/4-16	3/4-16	1.16	1.16	1.16	.406	.406	.406
144-8-6-6	3/4-16	5/8-18	5/8-18	1.13	1.09	1.09	.406	.281	.281
144-8-6-8	3/4-16	5/8-18	3/4-16	1.16	1.09	1.09	.406	.281	.406
144-8-8-6	3/4-16	3/4-16	5/8-18	1.13	1.16	1.16	.406	.406	.281
144-8-8-10	3/4-16	3/4-16	7/8-14	1.41	1.28	1.28	.406	.406	.500
144-10	7/8-14	7/8-14	7/8-14	1.41	1.41	1.41	.500	.500	.500
144-10-8-8	7/8-14	3/4-16	3/4-16	1.41	1.28	1.28	.500	.406	.406
144-10-10-6	7/8-14	7/8-14	5/8-18	1.16	1.41	1.41	.500	.500	.281
144-10-10-8	7/8-14	7/8-14	3/4-16	1.28	1.41	1.41	.500	.500	.406

This specification and all information contained herein is the confidential and exclusive property of Brasscraft Manufacturing Company and shall not be disclosed to others without the written consent of Brasscraft Mfg. Co. This specification must be returned to Brasscraft Mfg. Co. if requested.