

Flaring

Flared joints form liquid-tight, air-tight connections at the ends of tubing or pipe.

Tube Flaring Options To obtain an effective, long-lasting seal, each end of the tube or pipe must be formed to the exact shape of the matching flare fittings.

PHI Offers Complete Tube Flaring Solutions Tooling supplied by PHI meets this objective. And in almost every case, the same end-finishing machine can be used to perform the required squaring and deburring of the cut end-- before the flare is formed.

Typical Applications of Tube Flaring

Typical applications of tube flaring include hydraulic systems and fuel lines in the aircraft, auto, heating and cooling industries.

Standard MS33584 Dimensions for Flared Tubing

Nominal (Inches) Tubing (Inches) (Inches) (Inches)	OD Aluminum Alloy Tolerance Tolerance	Tube Size	
		Steel B ±.010	Tubing Radius
3/16			1/8
1/4			
5/16			
3/8			
1/2			
5/8			
3/4			
1			
1-1/4			
1-1/2			
1-3/4			
2			
2-1/2			
3	.200		
.302			
.359			
.421			
.484			
.656			
.781			
.937			
1.187			
1.500			
1.721			
2.106			
2.356			
2.856			
3.356	+.000		
-.010			
+.000			
-.015		.200	
.302			
.359			
.421			
.484			
.656			
.781			
.937			

1.187
1.500
1.721
2.106
2.356
2.856
3.356 +.000
-.010

+ .000
- .015

.032

.046

.062

.078

.093

.109