

## For Residential and Commercial Applications

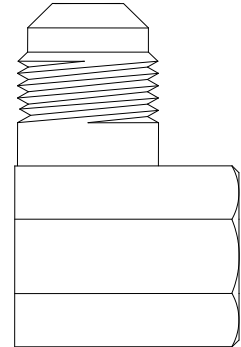
Job Name		Engineer / Architect	
Job Location		Wholesaler	
Submittal Date		Contractor	

### 50 Series Flare x Female Iron Pipe Elbow

**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**
- **Available in a broad range of sizes**



**Operating Specifications:**

- Temperature:** -65° - 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

#### 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	

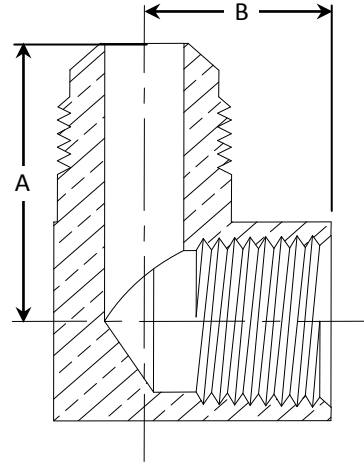
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# 50 Series Flare x Female Iron Pipe Elbow

MATERIAL SPECIFICATIONS	
Fitting Body	C36000 brass

PART DIMENSIONS (Inches)			
Model	Straight Thread	DIM. A	DIM. B
50-6-6	5/8-18	1.14	.67
50-6-8	5/8-18	1.22	.86
50-8-6	3/4-16	1.28	.75
50-10-8	7/8-14	1.48	.98
50-10-12	7/8-14	1.64	.98



**Part Listing:**

- 50-6-6                    3/8" OD Tube x 3/8" F.I.P.
- 50-6-6 B                3/8" OD Tube x 3/8" F.I.P., bulk
- 50-6-8                    3/8" OD Tube x 1/2" F.I.P.
- 50-6-8 B                3/8" OD Tube x 1/2" F.I.P., bulk
- 50-8-6 B                1/2" OD Tube x 3/8" F.I.P., bulk
- 50-10-8                 5/8" OD Tube x 1/2" F.I.P.
- 50-10-8 B              5/8" OD Tube x 1/2" F.I.P., bulk
- 50-10-12               5/8" OD Tube x 3/4" F.I.P.
- 50-10-12 B            5/8" OD Tube x 3/4" F.I.P., bulk

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