

For Residential and Commercial Applications

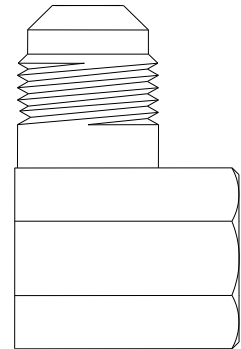
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|----------------|--|----------------------|--|
| Job Name | | Engineer / Architect | |
| Job Location | | Wholesaler | |
| Submittal Date | | Contractor | |

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 | |

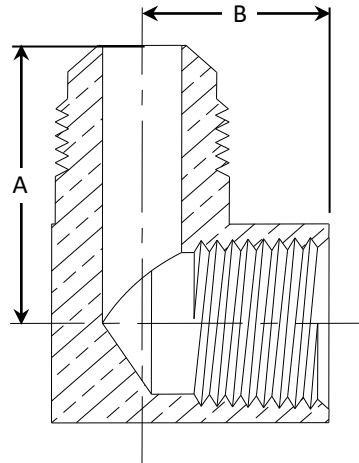
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50 Series Flare x Female Iron Pipe Elbow

| FITTING MATERIAL SPECIFICATIONS | |
|---------------------------------|-------|
| Body | 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:

| | | |
|--------------------------|------------|-------------------------------|
| <input type="checkbox"/> | 50-6-6 | 3/8" OD tube x 3/8" FIP |
| <input type="checkbox"/> | 50-6-6 B | 3/8" OD tube x 3/8" FIP, bulk |
| <input type="checkbox"/> | 50-6-8 | 3/8" OD tube x 1/2" FIP |
| <input type="checkbox"/> | 50-6-8 B | 3/8" OD tube x 1/2" FIP, bulk |
| <input type="checkbox"/> | 50-8-6 B | 1/2" OD tube x 3/8" FIP, bulk |
| <input type="checkbox"/> | 50-10-8 | 5/8" OD tube x 1/2" FIP |
| <input type="checkbox"/> | 50-10-8 B | 5/8" OD tube x 1/2" FIP, bulk |
| <input type="checkbox"/> | 50-10-12 | 5/8" OD tube x 3/4" FIP |
| <input type="checkbox"/> | 50-10-12 B | 5/8" OD tube x 3/4" FIP, bulk |

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