

# For Residential and Commercial Applications

Job Name:

Engineer/Architect:

Job Location:

Wholesaler:

Submittal Date:

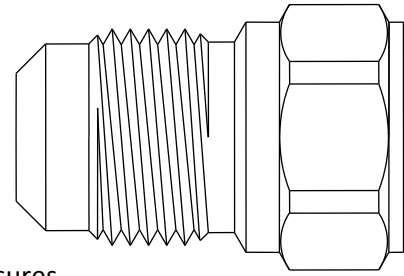
Contractor:

## 46 Series Flare x Female Iron Pipe Adapter

**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° 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

| 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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## 46 Series Flare x Female Iron Pipe Adapter

### FITTING MATERIAL SPECIFICATIONS

|      |       |
|------|-------|
| Body | Brass |
|------|-------|

#### Part Listing:

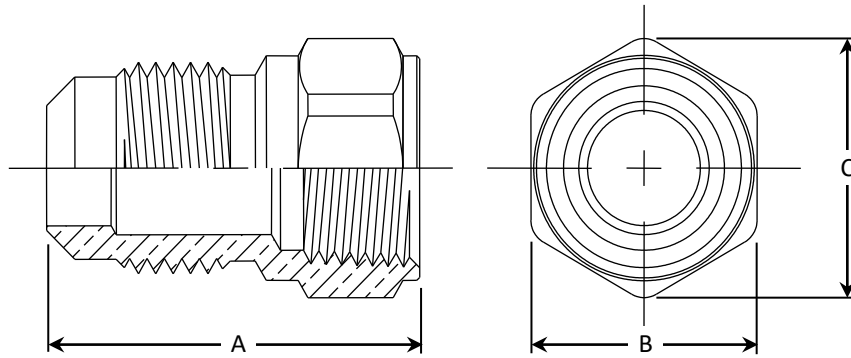
|                          |            |                                                 |
|--------------------------|------------|-------------------------------------------------|
| <input type="checkbox"/> | 46-4-2     | 1/4" OD flare x 1/8" FIP                        |
| <input type="checkbox"/> | 46-4-2 B   | 1/4" OD flare x 1/8" FIP, bulk                  |
| <input type="checkbox"/> | 46-4-4     | 1/4" OD flare x 1/4" FIP                        |
| <input type="checkbox"/> | 46-4-4 B   | 1/4" OD flare x 1/4" FIP, bulk                  |
| <input type="checkbox"/> | 46-4-6     | 1/4" OD flare x 3/8" FIP                        |
| <input type="checkbox"/> | 46-4-6 B   | 1/4" OD flare x 3/8" FIP, bulk                  |
| <input type="checkbox"/> | 46-4-8     | 1/4" OD flare x 1/2" FIP                        |
| <input type="checkbox"/> | 46-5-2 B   | 5/16" OD flare x 3/8" FIP, bulk                 |
| <input type="checkbox"/> | 46-5-4     | 5/16" OD flare x 1/4" FIP                       |
| <input type="checkbox"/> | 46-5-4 B   | 5/16" OD flare x 1/4" FIP, bulk                 |
| <input type="checkbox"/> | 46-6-2     | 3/8" OD flare x 1/8" FIP                        |
| <input type="checkbox"/> | 46-6-2 B   | 3/8" OD flare x 1/8" FIP, bulk                  |
| <input type="checkbox"/> | 46-6-4     | 3/8" OD flare x 1/4" FIP                        |
| <input type="checkbox"/> | 46-6-4 B   | 3/8" OD flare x 1/4" FIP, bulk                  |
| <input type="checkbox"/> | 46-6-6     | 3/8" OD flare x 3/8" FIP                        |
| <input type="checkbox"/> | 46-6-6 B   | 3/8" OD flare x 3/8" FIP, bulk                  |
| <input type="checkbox"/> | 46-6-6WN   | 3/8" OD flare x 3/8" FIP with flare nut - short |
| <input type="checkbox"/> | 46-6-8     | 3/8" OD flare x 1/2" FIP                        |
| <input type="checkbox"/> | 46-6-8 B   | 3/8" OD flare x 1/2" FIP, bulk                  |
| <input type="checkbox"/> | 46-6-12    | 3/8" OD flare x 3/4" FIP                        |
| <input type="checkbox"/> | 46-6-12 B  | 3/8" OD flare x 3/4" FIP, bulk                  |
| <input type="checkbox"/> | 46-8-4     | 1/2" OD flare x 1/4" FIP                        |
| <input type="checkbox"/> | 46-8-4 B   | 1/2" OD flare x 1/4" FIP, bulk                  |
| <input type="checkbox"/> | 46-8-6     | 1/2" OD flare x 3/8" FIP                        |
| <input type="checkbox"/> | 46-8-6 B   | 1/2" OD flare x 3/8" FIP, bulk                  |
| <input type="checkbox"/> | 46-8-8     | 1/2" OD flare x 1/2" FIP                        |
| <input type="checkbox"/> | 46-8-8 B   | 1/2" OD flare x 1/2" FIP, bulk                  |
| <input type="checkbox"/> | 46-8-12    | 1/2" OD flare x 3/4" FIP                        |
| <input type="checkbox"/> | 46-8-12 B  | 1/2" OD flare x 3/4" FIP, bulk                  |
| <input type="checkbox"/> | 46-10-6    | 5/8" OD flare x 3/8" FIP                        |
| <input type="checkbox"/> | 46-10-6 B  | 5/8" OD flare x 3/8" FIP, bulk                  |
| <input type="checkbox"/> | 46-10-8    | 5/8" OD flare x 1/2" FIP                        |
| <input type="checkbox"/> | 46-10-8 B  | 5/8" OD flare x 1/2" FIP, bulk                  |
| <input type="checkbox"/> | 46-10-12   | 5/8" OD flare x 3/4" FIP                        |
| <input type="checkbox"/> | 46-10-12 B | 5/8" OD flare x 3/4" FIP, bulk                  |
| <input type="checkbox"/> | 46-12-8    | 3/4" OD flare x 1/2" FIP                        |
| <input type="checkbox"/> | 46-12-8 B  | 3/4" OD flare x 1/2" FIP, bulk                  |

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☐ 46-14-12

7/8" OD flare x 3/4" FIP

## 46 Series Flare x Female Iron Pipe Adapter



| PART DIMENSIONS (Inches) |                  |        |        |        |
|--------------------------|------------------|--------|--------|--------|
| Model                    | Straight Threads | DIM. A | HEX. B | DIM. C |
| 46-4-2                   | 7/16-20          | 1.03   | 9/16   | .63    |
| 46-4-4                   | 7/16-20          | 1.09   | 5/8    | .70    |
| 46-4-6                   | 7/16-20          | 1.25   | 13/16  | .91    |
| 46-4-8                   | 7/16-20          | 1.20   | 7/8    | .98    |
| 46-5-2                   | 1/2-20           | 1.05   | 9/16   | .63    |
| 46-5-4                   | 1/2-20           | 1.25   | 11/16  | .77    |
| 46-6-2                   | 5/8-18           | 1.25   | 11/16  | .77    |
| 46-6-4                   | 5/8-18           | 1.09   | 11/16  | .77    |
| 46-6-6                   | 5/8-18           | 1.00   | 5/8    | .70    |
| 46-6-8                   | 5/8-18           | 1.31   | 15/16  | 1.05   |

| PART DIMENSIONS (Inches) |                  |        |        |        |
|--------------------------|------------------|--------|--------|--------|
| Model                    | Straight Threads | DIM. A | HEX. B | DIM. C |
| 46-6-12                  | 5/8-18           | 1.39   | 1-1/8  | 1.26   |
| 46-8-4                   | 3/4-16           | 1.41   | 3/4    | .84    |
| 46-8-6                   | 3/4-16           | 1.34   | 13/16  | .91    |
| 46-8-8                   | 3/4-16           | 1.19   | 15/16  | 1.05   |
| 46-8-12                  | 3/4-16           | 1.55   | 1-1/8  | 1.26   |
| 46-10-6                  | 7/8-14           | 1.59   | 1-1/8  | 1.26   |
| 46-10-8                  | 7/8-14           | 1.60   | 1-1/8  | 1.26   |
| 46-10-12                 | 7/8-14           | 1.62   | 1-1/8  | 1.26   |
| 46-12-8                  | 1-1/16-14        | 1.75   | 1-3/16 | .91    |
| 46-14-12                 | 1-1/4-12         | 1.94   | 1-5/16 | .91    |

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