

For Residential and Commercial Applications

Job Name		Engineer / Architect	
Job Location		Wholesaler	
Submittal Date		Contractor	

48 Series 45° Flare x Male 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:

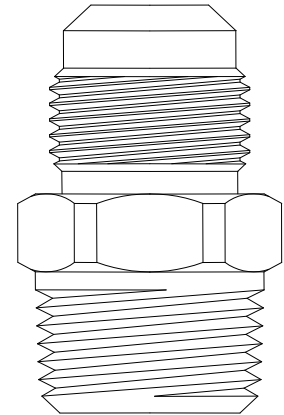
- **Recommended for higher pressures** than those covered by compression fittings
- **Resist mechanical pull out**
- **Available in a broad range of sizes**

Operating Specifications:

Temperature: -65° - 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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MATERIAL SPECIFICATIONS

Fitting Body	C36000 brass
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Part Listing:

<input type="checkbox"/>	48-2-2	1/8" OD Flare x 1/8" M.I.P.
<input type="checkbox"/>	48-2-2 B	1/8" OD Flare x 1/8" M.I.P., bulk
<input type="checkbox"/>	48-3-2	3/16" OD Flare x 1/8" M.I.P.
<input type="checkbox"/>	48-3-2 B	3/16" OD Flare x 1/8" M.I.P., bulk
<input type="checkbox"/>	48-3-2WN	3/16" OD Flare x 1/8" M.I.P. with flare nut - short
<input type="checkbox"/>	48-3-4	3/16" OD Flare x 1/4" M.I.P.
<input type="checkbox"/>	48-3-4 B	3/16" OD Flare x 1/4" M.I.P., bulk
<input type="checkbox"/>	48-4-2	1/4" OD Flare x 1/8" M.I.P.
<input type="checkbox"/>	48-4-2 B	1/4" OD Flare x 1/8" M.I.P., bulk
<input type="checkbox"/>	48-4-2WN	1/4" OD Flare x 1/8" M.I.P. with flare nut - short
<input type="checkbox"/>	48-4-4	1/4" OD Flare x 1/4" M.I.P.
<input type="checkbox"/>	48-4-4 B	1/4" OD Flare x 1/4" M.I.P., bulk
<input type="checkbox"/>	48-4-4WN	1/4" OD Flare x 1/4" M.I.P. with flare nut - short
<input type="checkbox"/>	48-4-6	1/4" OD Flare x 3/8" M.I.P.
<input type="checkbox"/>	48-4-6 B	1/4" OD Flare x 3/8" M.I.P., bulk
<input type="checkbox"/>	48-4-6WN	1/4" OD Flare x 3/8" M.I.P. with flare nut - short
<input type="checkbox"/>	48-4-8	1/4" OD Flare x 1/2" M.I.P.
<input type="checkbox"/>	48-4-8 B	1/4" OD Flare x 1/2" M.I.P., bulk
<input type="checkbox"/>	48-4-8WN	1/4" OD Flare x 1/2" M.I.P. with flare nut - short
<input type="checkbox"/>	48-5-2	5/16" OD Flare x 1/8" M.I.P.
<input type="checkbox"/>	48-5-2 B	5/16" OD Flare x 1/8" M.I.P., bulk
<input type="checkbox"/>	48-5-4	5/16" OD Flare x 1/4" M.I.P.
<input type="checkbox"/>	48-5-4 B	5/16" OD Flare x 1/4" M.I.P., bulk
<input type="checkbox"/>	48-5-6	5/16" OD Flare x 3/8" M.I.P.
<input type="checkbox"/>	48-5-6 B	5/16" OD Flare x 3/8" M.I.P., bulk
<input type="checkbox"/>	48-5-8 B	5/16" OD Flare x 1/2" M.I.P., bulk
<input type="checkbox"/>	48-6-2	3/8" OD Flare x 1/8" M.I.P.
<input type="checkbox"/>	48-6-2 B	3/8" OD Flare x 1/8" M.I.P., bulk
<input type="checkbox"/>	48-6-2WN K25	3/8" OD Flare x 1/8" M.I.P. with flare nut – short, 25 per case
<input type="checkbox"/>	48-6-4	3/8" OD Flare x 1/4" M.I.P.
<input type="checkbox"/>	48-6-4 B	3/8" OD Flare x 1/4" M.I.P., bulk
<input type="checkbox"/>	48-6-4 CB	3/8" OD Flare x 1/4" M.I.P., chrome plated, bulk
<input type="checkbox"/>	48-6-4WN	3/8" OD Flare x 1/4" M.I.P. with flare nut - short
<input type="checkbox"/>	48-6-6	3/8" OD Flare x 3/8" M.I.P.
<input type="checkbox"/>	48-6-6 B	3/8" OD Flare x 3/8" M.I.P., bulk

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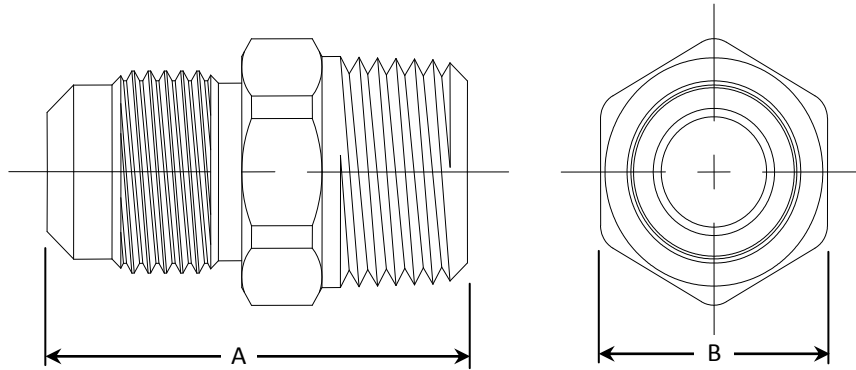
Part Listing (con't):

<input type="checkbox"/>	48-6-6WN	3/8" OD Flare x 3/8" M.I.P. with flare nut - short
<input type="checkbox"/>	48-6-8	3/8" OD Flare x 1/2" M.I.P.
<input type="checkbox"/>	48-6-8 B	3/8" OD Flare x 1/2" M.I.P., bulk
<input type="checkbox"/>	48-6-8WN	3/8" OD Flare x 1/2" M.I.P. with flare nut - short
<input type="checkbox"/>	48-6-12	3/8" OD Flare x 3/4" M.I.P.
<input type="checkbox"/>	48-6-12 B	3/8" OD Flare x 3/4" M.I.P., bulk
<input type="checkbox"/>	48-6-12WN	3/8" OD Flare x 3/4" M.I.P. with flare nut - short
<input type="checkbox"/>	48-8-4	1/2" OD Flare x 1/4" M.I.P.
<input type="checkbox"/>	48-8-4 B	1/2" OD Flare x 1/4" M.I.P., bulk
<input type="checkbox"/>	48-8-4WN	1/2" OD Flare x 1/4" M.I.P. with flare nut - short
<input type="checkbox"/>	48-8-6	1/2" OD Flare x 3/8" M.I.P.
<input type="checkbox"/>	48-8-6 B	1/2" OD Flare x 3/8" M.I.P., bulk
<input type="checkbox"/>	48-8-6WN	1/2" OD Flare x 3/8" M.I.P. with flare nut - short
<input type="checkbox"/>	48-8-8	1/2" OD Flare x 1/2" M.I.P.
<input type="checkbox"/>	48-8-8 B	1/2" OD Flare x 1/2" M.I.P., bulk
<input type="checkbox"/>	48-8-8WN	1/2" OD Flare x 1/2" M.I.P. with flare nut - short
<input type="checkbox"/>	48-8-12	1/2" OD Flare x 3/4" M.I.P.
<input type="checkbox"/>	48-8-12 B	1/2" OD Flare x 3/4" M.I.P., bulk
<input type="checkbox"/>	48-8-12WN	1/2" OD Flare x 3/4" M.I.P. with flare nut - short
<input type="checkbox"/>	48-10-4	5/8" OD Flare x 1/8" M.I.P.
<input type="checkbox"/>	48-10-4 B	5/8" OD Flare x 1/8" M.I.P., bulk
<input type="checkbox"/>	48-10-6	5/8" OD Flare x 3/8" M.I.P.
<input type="checkbox"/>	48-10-6 B	5/8" OD Flare x 3/8" M.I.P., bulk
<input type="checkbox"/>	48-10-6WN	5/8" OD Flare x 3/8" M.I.P. with flare nut - short
<input type="checkbox"/>	48-10-8	5/8" OD Flare x 1/2" M.I.P.
<input type="checkbox"/>	48-10-8 B	5/8" OD Flare x 1/2" M.I.P., bulk
<input type="checkbox"/>	48-10-8WN	5/8" OD Flare x 1/2" M.I.P. with flare nut - short
<input type="checkbox"/>	48-10-12	5/8" OD Flare x 3/4" M.I.P.
<input type="checkbox"/>	48-10-12 B	5/8" OD Flare x 3/4" M.I.P., bulk
<input type="checkbox"/>	48-10-12WN	5/8" OD Flare x 3/4" M.I.P. with flare nut - short
<input type="checkbox"/>	48-12-8	3/4" OD Flare x 1/2" M.I.P.
<input type="checkbox"/>	48-12-8 B	3/4" OD Flare x 1/2" M.I.P., bulk
<input type="checkbox"/>	48-12-12	3/4" OD Flare x 3/4" M.I.P.
<input type="checkbox"/>	48-12-12 B	3/4" OD Flare x 3/4" M.I.P., bulk
<input type="checkbox"/>	48-14-12	7/8" OD Flare x 3/4" M.I.P.
<input type="checkbox"/>	48-14-12 B	7/8" OD Flare x 3/4" M.I.P., bulk

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PART DIMENSIONS (Inches)			
Model	Straight Threads	DIM. A	HEX B
48-2-2	5/16-24	.92	7/16
48-3-2	3/8-24	1.00	7/16
48-3-4	3/8-24	1.11	9/16
48-4-2	7/16-20	1.03	7/16
48-4-4	7/16-20	1.22	9/16
48-4-6	7/16-20	1.22	11/16
48-4-8	7/16-20	1.38	7/8
48-5-2	1/2-20	1.13	1/2
48-5-4	1/2-20	1.27	9/16
48-5-6	1/2-20	1.13	3/4
48-6-2	5/8-18	1.25	5/8
48-6-4	5/8-18	1.31	5/8
48-6-6	5/8-18	1.41	11/16

PART DIMENSIONS (Inches)			
Model	Straight Threads	DIM. A	HEX. B
48-6-8	5/8-18	1.49	27/32
48-6-12	5/8-18	1.62	1-1/16
48-8-4	3/4-16	1.62	3/4
48-8-6	3/4-16	1.53	3/4
48-8-8	3/4-16	1.44	27/32
48-8-12	3/4-16	1.50	1-1/16
48-10-4	7/8-14	1.79	7/8
48-10-6	7/8-14	1.69	7/8
48-10-8	7/8-14	1.75	7/8
48-10-12	7/8-14	1.81	1-1/16
48-12-8	1-1/16-14	1.75	1-1/8
48-12-12	1-1/16-14	2.08	1-1/16
48-14-12	1-1/4-12	2.35	1-1/4

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