

For Residential and Commercial Applications

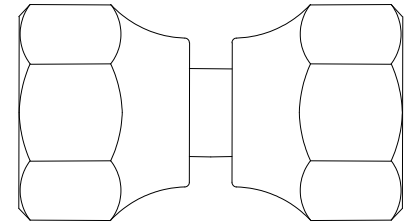
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|----------------|--|----------------------|--|
| Job Name | | Engineer / Architect | |
| Job Location | | Wholesaler | |
| Submittal Date | | Contractor | |

114FSV Series Swivel Flare Nut Connector

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 | | | |

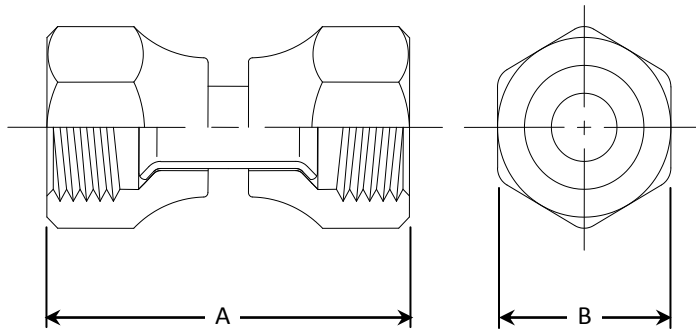
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114FSV Series Swivel Flare Nut Connector

| MATERIAL SPECIFICATIONS | |
|-------------------------|---------------|
| Fitting Nuts | C36000 brass |
| Tube | C12200 copper |

| PART DIMENSIONS (Inches) | | | |
|--------------------------|------------------|--------|--------|
| Model | Straight Threads | DIM. A | HEX. B |
| 114FSV-4 | 7/16-20 | 1.35 | 5/8 |
| 114FSV-6 | 5/8-18 | 1.50 | 13/16 |
| 114FSV-8 | 3/4-14 | 1.90 | 15/16 |
| 114FSV-10 | 7/8-14 | 2.14 | 1-1/16 |



Part Listing:

- 114FSV-4 1/4" OD Tube, both ends
- 114FSV-4 B 1/4" OD Tube, both ends, bulk
- 114FSV-5 5/16" OD Tube, both ends
- 114FSV-6 3/8" OD Tube, both ends
- 114FSV-6 B 3/8" OD Tube, both ends, bulk
- 114FSV-6 P 3/8" OD Tube, both ends, bagged
- 114FSV-8 1/2" OD Tube, both ends
- 114FSV-8 B 1/2" OD Tube, both ends, bulk
- 114FSV-8 P 1/2" OD Tube, both ends, bagged
- 114FSV-10 5/8" OD Tube, both ends
- 114FSV-10 P 5/8" OD Tube, both ends, bagged

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