



Engineering Data

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Product Certification

Elkhart Products Corporation manufactures and/or supplies products which meet the following specifications:

MSS	SP104-1995	<i>Wrought Copper Solder Joint Pressure Fittings</i>
ASME	B16.29-1994	<i>Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings - DWV</i>
ASME	B16.18-1994	<i>Cast Copper Alloy Solder Joint Pressure Fittings</i>
ASME	B16.15-1994	<i>Cast Bronze Threaded Fittings</i>
ASME	B16.26-1988	<i>Cast Copper Alloy Fittings for Flared Copper Tube</i>
ASME	B16.23-1992	<i>Cast Copper Alloy Solder Joint Drainage Fittings - DWV</i>
ASME	B16.24-1998	<i>Bronze Pipe Flanges and Flanged Fittings</i>
MSS	SP106-1991	<i>Welded Fabricated Copper Solder Joint Pressure Fittings</i>
MSS	SP109-1997	<i>Non Ferrous Threaded and Solder Joint Unions For Use With Copper Water Tube</i>

EPC's wrot copper solder joint fittings also are manufactured to comply with the material performance and installation/joining dimensions of ANSI B16.22-1995.

The materials used to manufacture these fittings are also in compliance with the following specifications:

Tubular Wrought Copper:

ASTM B75 Alloy C12200, *Standard Specification for Seamless Copper Tube, or*

Products Made From Sheet:

ASTM B152 Alloy C11000, *Standard Specification for Copper Sheet, Strip, Plate and Rolled Bar.*

Cast Products:

ASTM B584 Alloy C84400, *Standard Specification for Copper Alloy Sand Castings for General Applications. Federal Specification WW-U-516 for Type 111, Class A and Class B Copper Alloy Unions.*

The Advantages of Wrot Copper Fittings From EPC

Elkhart Products Corporation, Plumbing Products Division, manufactures a comprehensive line of Wrot Copper Solder-Joint fittings in sizes ranging from 1/8" to 8", which are shown on the following pages. Wrot Copper fittings have many advantages over their cast brass counterparts and Elkhart Products Corporation, recognizing the high rate of acceptability of the quality and well-designed fittings, is continually adding new items to this line.

These advantages show why EPC Wrot Copper Fittings are rapidly being accepted for copper installations in all parts of the country.

1. Reduced Installation Costs-EPC Wrot Copper Fittings heat up more rapidly than cast and thus effect a savings in time and fuel.
2. Smooth Inside Surface-Being fabricated from copper tube, EPC Wrot Fittings have no rough surfaces to collect waste or deter flow.
3. Full Flow Capacity-EPC Wrot Fittings have the same inside diameters as the rest of the installation.
4. Wrot Copper-The physical properties of copper tube from which EPC Wrot Fittings are made eliminate the danger of leakage from sand holes or poor castings.
5. Less Bulky than Cast-This facilitates handling, particularly on prefab installations, yet EPC Wrot Fittings have the same strength as tube. This can also be a money saver on transportation costs.
6. More Rugged-Due to fabrication processes, EPC Wrot Fittings are stronger and more rugged than tube with which they are used.
7. Priced Competitively-EPC Wrot Fittings cost no more than their cast counterparts.
8. Neat Appearance-In matching the color and appearance of the tube, EPC Wrot Fittings contribute toward a neater and more workman-like installation.
9. Accurate Pitch-EPC Wrot Fittings are made with accurately machined dies which ensure the proper pitch required for installations.
10. Boxed and Labeled-EPC Wrot Fittings are boxed in convenient quantities to facilitate handling and storage, and for protection against damage and dirt. Box contents are easily identified by bar coded, easy-to-read labels.