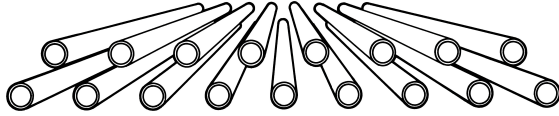


Seamless Condenser Tubing

90-10 & 70-30 Copper-Nickel Seamless Condenser Tubing, Annealed Temper



- UNS Designation Numbers: 90-10 (UNS C70600) and 70-30 (UNS C71500).
- Nominal Chemicals:
 - 90-10: Copper 88.6%, Nickel 10.0%, Iron 1.4%.
 - 70-30: Copper 69.5%, Nickel 30.0%, Iron 0.5%.
- Average Mechanical Properties:
 - 90-10: Tensile 45,000 psi, Yield 18,000 psi.
 - 70-30: Tensile 60,000 psi, Yield 20,000 psi.
- Specifications: MIL-T-15005F, ASME SB-111, ASTM B 111, Temper 061 (Annealed).
- Stock lengths to 26 foot.
- Copper-Nickel alloys are used in industrial condensers, heat exchangers, and evaporating equipment where their resistance to the corrosive action of a wide range of chemicals leads to durability and protection against contamination. These tubes maintain their strength at elevated temperatures better than the brasses or copper. 70-30 Copper-Nickel is preferred to 90-10 Copper-Nickel where corrosion and temperature conditions are more severe.

OD	Minimum Wall	Gauge	Lbs/Ft	90-10 Part Number	70-30 Part Number
1/4	.035	20	.1	134192	152302
1/4	.049	18	.1	152467	286818
3/8	.035	20	.15	152483	140402
3/8	.049	18	.2	152506	
1/2	.035	20	.2	152548	140703
1/2	.049	18	.3		140711
5/8	.049	18	.35	230744	230613
5/8	.065	16	.45	260155	230663
3/4	.049	18	.4	230809	230689
3/4	.065	16	.55	230833	230710
1	.049	18	.6		230728
1	.065	16	.7	230867	

Arsenical Admiralty Brass Seamless Condenser Tubing

- UNS Designation Number: UNS C44300.
- Nominal Chemicals: Copper 71%, Zinc 27.96%, Tin 1.00%, Arsenic 0.04%.
- Average Mechanical Properties: Tensile 52,000 psi, Yield 20,000 psi.
- Specifications: ASTM B 111, Temper 061 (Annealed).
- Stock lengths to 26 foot.
- Arsenical Admiralty brass condenser tube is a standard condenser and heat exchanger tube, offering good corrosion resistance in fresh and salt water (at moderate velocities) and exceptional heat transfer characteristics.

OD	Minimum Wall	Gauge	Lbs/Ft	Part Number
3/8	.035	20	.1	230338
3/8	.049	18	.2	230354
1/2	.049	18	.3	230370
5/8	.049	18	.35	230396
5/8	.065	16	.4	225993
3/4	.049	18	.4	230419
3/4	.065	16	.5	230435

Dimensions are in inches. All weights are approximate.
 Sizes not shown may be available upon request. Specifications: pg. 60.