

HEAT TRANSFER



SMALL TUBE PRODUCTS

"Skilled Producers of Copper & Brass Tubing"

HEAT TRANSFER TUBING

PRODUCTS:

TYPE	OD	WALL THICKNESS	ALLOYS (UNS)
Copper	.093" - 2.625"	.007" - .250"	C101, 102, 122
Brass	.125" - 2.625"	.010" - .200"	C230, 443
Aluminum Bronze	.125" - 2.625"	.010" - .100"	C687
Copper Nickel	.125" - 2.625"	.010" - .200"	C706, 715

* Other alloys and sizes may be available upon request.

APPLICATIONS: Shell and tube liquid-to-liquid applications, liquid-to-air radiant type heat transfer, marine applications, leak detection, and others.

FORMS: Single wall tubing in round or shape profiles, or double wall (leak detector) tubing

CORE COMPETENCIES: Precision drawing (sizing), straightening, and cutting to length, square and deburred tube ends, standard or custom line marking (if required), tube capping (if required), and double wall outer tube end stripping (if required).

AVAILABLE TEMPERS:

Annealed (O61), Light Drawn (H55), or Hard Drawn (H80) available, Custom tempers by special request.

TYPES AND GRADES:

Type I (seamless) or Type II (welded) tubing is available, Grade 1 (no heat identification) or Grade 2 (w/ heat identification).

CERTIFICATIONS / ACCREDITATIONS:

ISO 9001:2015-certified quality management system,
ISO 17025-accredited testing laboratory,
Certify to EN 10204 per EU Pressure Equipment Directive (if requested).



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SINGLE WALL TUBING:

- Standard and custom size tubing for use in heat transfer applications,
- Available in alloys C101, 102, 122, 230, 443, 687, 706, and 715,
- Straight lengths from a few inches to about 42 feet,
- Coil lengths/weights dependent on tube dimensions.

DOUBLE WALL (LEAK DETECTOR) TUBING:

- Available for applications where cross contamination of mediums could create a potential concern.
- The channels between the tubes can allow a leaked medium to flow to a leak detection device.
- Available in copper (C122) and copper-nickel (C706).
- Both tubes—same alloy or one Cu/one CuNi,
- Available in lengths up to about 42 feet,
- Outer tube end stripping is available.



TYPES OF PACKAGING FOR HEAT TRANSFER TUBING:

Level Wound Coils:

- Coils with 36" OD x 24" ID x 4", 6", or 10" widths,
- Bulk-packed, on cardboard reels, or on plywood reels,
- C102, 122, 230, 706, and 715 available in this form,
- Coil weights up to about 350 lbs. depending on tube dimensions,
- Shrink-wrapped (see photo) or encased in cardboard.



Tri-wall Cardboard Boxes:

- Used for straight length tubing under 38" in length,
- Wooden ends with cardboard tops, sides and bottoms,
- Maximum box weight is 300 lbs.



Wood Boxes:

- Used for straight length tubing over 38" in length,
- Box weights up to 800 lbs.,
- Heat-treated lumber (ISPM 15).



Returnable Containers:

- Not pictured,
- STP is open to explore this option.