



Metalloy Industries, Inc.

The following tubing can be supplied from stock, on futures or on a periodic release program which we can design to fit your needs.

I. **Seamless Copper and Brass Tubing** - as per ASTM and military standards, quality assurance to MIL-T-45208A, suitable for buffing, bending, polishing and chrome plating. Temper and length as you require.

A. Alloys:

101	240 (80/20)	435
102	260 (70/30)	443 (Admiralty)
103	270 (65/35)	444
122	272 (63/37)	445
142	330 (low-leaded)	687 (Aluminum Brass)
220 (90/10)	332 (high-leaded)	706 (Cupro-nickel)
230 (85/15)	360 (60/40)	715 (Cupro-nickel)

Size Range:

1/32" - 6" OD X .008" - .500" Wall and corresponding millimeter sizes.

B. Copper and Red Brass - Alloy 230, Regular or Extra Strong Pipe.

Size Range:

1/8" Nominal - 6" Nominal

C. Condenser and Heat Exchanger Quality: ASTM B111, ASME SB111,
Mil-T-16420K, Mil-T-15005F.

Size Range:

1/4" - 8.625" OD X .020" - .340" Wall

Alloys:

122	445	687 (
		Aluminum Brass)
443 (Inhibited Admiralty)		706 & 715 (Cupro-nickel)

D. Copper Tubing - Alloys 102, 120 and 122, ASTM B88

1. Water Tubing - hard, soft or bending temper

Size Range:

1/4" - 4" Type L Nominal
 1/2" - 1-1/2" Type K Nominal
 1/2" - 2" Type M Nominal
 D.W.V. - All sizes

2. Refrigeration - sealed ends, dehydrated, soft ASTM B280
 Size Range:
 1/8" OD - 1-1/2" OD X 60' and 100' coils
 1/4" OD - 2" OD X 12' or 20' lengths
 3. Air Conditioning Grade - Light Annealed ASTM B75
 Size Range:
 1/8" - 7/8" OD X .012" - .045" Wall X 50', 100' or Level Wound Coils
 or Inner Grooved Tube
- E. Copper alloy condenser finned tubing
1. Alloy 706 and 715 integral finned.
 2. Alloy 122, 443, 687, and 706 with raised separate Copper or Aluminum finning.
 3. Size range 5/8" - 1.75" OD X .035" - .065" wall up to 40 ft.

II. Furniture Grade - Bright or Polished Finish

Alloys

230 (75/15)

260 (70/30)

265 (65/35)

272 (63/37)

- A. Welded Tube Alloy 260
 Size Range:
 5/8" - 2" OD X .014" - .125" Wall
- B. Seamless Tubing
 Size Range:
 Round 1/8" - 5" OD X .016" - .375" Wall
 Square 1/4" - 2" OD X .025" - .125" Wall
 Rectangular 1/4" X 1/4" - 2" X 2" X .025" - .125" Wall

III. Stainless Steel Tubing - Seamless Steel Tubing - Seamless and Welded, Alloy 304, 316, 321, 347 and 409.

Size Range:

1/8" - 4" OD X .008" - .125" Wall X Cut Lengths

Supplied plain or polished.

IV. Aluminum Tubing - Alloy 3003, 5052, 6061, and 6262.

V. Steel Tubing & Pipe- Seamless and Electric Welded, Butt Welded and Mandrel Drawn.

- A. Size range- Pipe 1/8 - 6" Nom. Sched 40 & 80
 B. Size range- Tube- square 1/2" OD - 10" OD
 Rectangular 1/2" X 1-1/2" UP 6" X 12"

I. **Copper and Brass Rods and Wire** - Direct Sales, Conversion or Toll.

A. Alloys: Solids as per ASTM , one end chamfered.

101	220	353	464	651
102	240	356	485	655
110	260	360	510	706
145	270	377	544	715
147	340	462	642	752
				754

CDA 932 Bearing Bronze SAE 660

Size Range:

3/32" - 6" for rounds

3/32" - 4" for hexes

3/32" - 4" for squares

Consult us for other sizes, rectangles, ovals, and half rounds.

B. Copper and Brass Wire Alloys:

102	220	270	510	655	715
110	226	272	544	702	725
145	230	353	634	706	752
150	240	360	649	707	754
162	260	436	651	711	766

Cold Heading

Escomatic Quality

Size Range:

.005" - 3/8" for rounds

.016" - 3/8" for hexes, octagons and squares

- C. Free Cutting Hollows C.D.A. 360, ASTM B16
 Size Range:
 For round O.D. and round I.D.
 For hex O.D. and hex I.D., for hex O.D. and round I.D. All must be submitted to overseas mill for price and delivery. Cost-benefit analysis for hollows sent to you on request.

- D. Copper Bus Bar Alloy 110 ASTM
Size Range:
.010" - .375" X .250" - 10" X coils or cut lengths. Temper as required.
- E. Extrusions - Architectural Bronze or Alloy 360.
Please send blueprint stating alloy required.

II. **Steel Bars** - Either Hot Rolled or Cold Drawn, ASTM A108, QQ-S-637

A.	Grades			
	C1018	C12L14	C4150	Stress Proof
	C1045	C1215	C8620	Ledloy AX
	C1117	C4140	C86L20	
	C1213	C41L40	Fatigue Proof	

Size Range:

1/8" - 12" for rounds

1/4" - 6" for squares

1/8" - 4" for hexes

Consult us for rectangular and flat sizes.

We can supply: ground and polished, turned and polished, and turned ground and polished material from the mill only.

III. **Aluminum Rod and Wire** - Extruded or Cold Drawn, QQ-A-225

Grades:

2011	6062	7075
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2024	6063
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6061	6262
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Size Range:

1/8" - 6" for rounds

1/4" - 2" for hexes

1/4" - 4" for squares

Consult us for rectangles.

IV. **Stainless Steel Rods and Wire** - Centerless Ground Annealed, Cold Drawn Annealed,
QQ-S-764

Grades:

Type 303 Type 316

Type 304 Type 416

Type 17-4PH

Size Range:

1/32" - 4" for rounds

1/4" - 4" for hexes

1/8" - 2" for squares

Consult us for rectangles and flats.

Metalloy Industries, Inc. can supply you with the following: coil, foil, plate, strip, sheet, or cut-to-length specification blanks.

I. **Copper and Copper Alloys** - Temper as you require.

Alloys:

101	230 (85/15)	356
102	240 (80/20)	510
110 (E.T.P.)	260 (70/30)	706
122 (D.H.P.)	270 (65/35)	715
210 (95/05)	272 (63/37)	752
220 (90/10)	353	782

Size Range:

.003" - .500" thk X .125" - 48" wide X 36" - 144" long

II. **Aluminum** - Temper as you require.

Alloys:

1100	3003	5052	6061
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Size Range:

.010" - .500" thk X .125" - 48" wide X 36" - 144" long

III. **Stainless Steel** - Annealed

A. Grades:

Type 304	Type 416
Type 316	Type 430

Size Range:

10 gauge - 28 gauge X .125" - 48" wide X 36" - 144" long

B. Surface:

2B #3 or 4 finish, poly vinyl chloride covering

IV. **Steel** - Hot or Cold Rolled, Deep Drawing Quality

A. Grades:

1008	1010	1045
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Size Range:

.008" - .250" thk X .500" - 48" wide X 36" - 144" long

B. Surface:

Commercial, galvanized

SCREW MACHINE PRODUCTS

AND

MANUFACTURING FACILITIES

Metalloy Industries, Inc. is a supplier of screw machine products. We have the most modern, up-to-date equipment, technical staff, and quality control department to supply you with your aluminum, brass, copper, stainless, steel, and polymer products in standard and metric sizes. The operations include the following machines.

<u>Davenport:</u>	Capacity 1/8" thru 3/4"
<u>Brown and Sharp Single Spindle:</u>	Capacity 3/32" thru 2-5/8"
<u>Multi-Spindle National Acmes:</u>	6 and 8 spindle. Capacity 3/32" thru 1-3/4"
<u>Hand Screw Machines:</u>	Capacity 3/32" thru 4"
<u>Complete Secondary Operation:</u>	Vertical and Horizontal Milling Machines, Drill Presses, Broaching, Assembly
<u>Complete Finishing Operation:</u>	Burnishing, Polishing, Plating, and Lacquering

Please send your blue-print and/or parts indicating quantity and delivery required. We will promptly advise you if we can make your parts and follow-up with a written quotation.

OUR REPUTATION IS BASED UPON SUPPLYING YOU WITH QUALITY PARTS, SUPERIOR SERVICE, AND COMPETITIVE PRICES.

WE ALSO MANUFACTURE PARTS ACCORDING TO SPC (STATISTICAL PROCESS CONTROL).