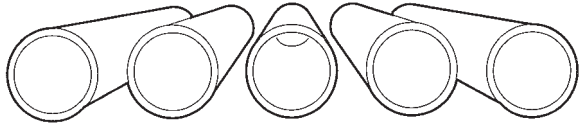


Copper-Nickel Tubing

70-30 Seamless Tubing, Annealed Temper



- **UNS Designation Number:** 70-30 (UNS C71500).
- **Nominal Chemicals:** Copper 69.5%, Nickel 30.0%, Iron 0.5%.
- **Average Mechanical Properties:** Tensile 55,000 psi, Yield 20,000 psi, Elongation 35%.
- **Specifications:** MIL-T-16420K, Type I, Grade 1 or 2, Annealed.
- **Stocked in 20 foot standard lengths.**
- **70-30 Copper-Nickel tubing has excellent resistance to impingement attack and other forms of corrosion in sea water. These tubes maintain their strength at elevated temperatures better than the brasses or copper.**
- **They are widely used in evaporators, feed water heaters, refinery and chemical equipment.**

Nominal Pipe Size	OD	Class	Minimum Wall	Lbs/Ft	70-30 Part Number
	.250	200	.035	.1	152302
	.250	3300	.035	.1	140818
	.250	6000	.058	.15	140999
	.375	3300	.049	.2	140834
	.375	6000	.083	.33	141000
1/8	.405	3300	.058	.27	140842
1/8	.405	6000	.095	.4	663604
	.500	200	.035	.2	140703
	.500	700	.065	.37	140559
	.500	3300	.072	.4	140850
	.500	6000	.120	.6	141026
1/4	.540	200	.065	.4	152132
1/4	.540	700	.065	.4	140567
1/4	.540	3300	.072	.45	140868
1/4	.540	6000	.120	.68	141034
3/8	.675	200	.065	.5	140410
3/8	.675	700	.072	.6	140575
3/8	.675	3300	.095	.7	140876
3/8	.675	6000	.148	1	141042
	.750	1650	.058	.5	235003
	.750	3300	.109	.9	140884
1/2	.840	200	.065	.67	140428
1/2	.840	700	.072	.74	140583
1/2	.840	3300	.120	1	140892
1/2	.840	6000	.203	1.7	141050
	1.000	3300	.134	1.6	140907
3/4	1.050	200	.065	.85	140436
3/4	1.050	700	.083	1	140591
3/4	1.050	3300	.148	1.8	140915
3/4	1.050	6000	.238	2.6	141068
1	1.315	200	.065	1	140444
1	1.315	700	.095	1.5	140606
1	1.315	3300	.180	2.7	140931

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

70-30 Seamless Tubing, Annealed Temper (continued)

Nominal Pipe Size	OD	Class	Wall Thickness	Lbs/Ft	70-30 Part Number
1	1.315	6000	.300	3.7	231122
1 ¹ / ₄	1.660	200	.072	1.5	140452
1 ¹ / ₄	1.660	700	.095	2	140614
1 ¹ / ₄	1.660	1650	.120	2.5	140753
1 ¹ / ₄	1.660	3300	.220	4	140949
1 ¹ / ₄	1.660	6000	.380	6	253857
1 ¹ / ₂	1.900	200	.072	1.8	140460
1 ¹ / ₂	1.900	700	.109	2.6	140622
1 ¹ / ₂	1.900	1650	.134	3	140761
1 ¹ / ₂	1.900	3300	.250	5.5	140957
1 ¹ / ₂	1.900	6000	.425	8	152378
2 (1.5?)	2.000	3300	.284	6.5	152386
2	2.375	200	.083	2.6	140478
2	2.375	700	.120	3.6	140630
2	2.375	1650	.165	4.9	269515
2	2.375	3300	.340	9	140965
2 ¹ / ₂	2.875	200	.083	3	140486
2 ¹ / ₂	2.875	700	.134	5	140648
2 ¹ / ₂	2.875	1650	.203	7	140787
2 ¹ / ₂	2.875	3300	.380	13	140973
3	3.500	200	.095	4.3	140494
3	3.500	700	.165	7.4	140656
3	3.500	1650	.250	11	140795
3	3.500	3300	.458	19	140981
3 ¹ / ₂	4.000	200	.095	5	140509
3 ¹ / ₂	4.000	700	.180	9	140664
3 ¹ / ₂	4.000	1650	.284	14	231091
4	4.500	200	.109	6	140517
4	4.500	700	.203	12	140672
4	4.500	1650	.340	19	140800
5	5.563	200	.125	9	140525
5	5.563	700	.220	15.5	140698
6	6.625	200	.134	12	140533
6	6.625	700	.259	22	226850
8	8.625	200	.148	17	140541
8	8.625	700	.340	36	231106
10	10.75	200	.187	26	417728
12	12.75	200	.250	40	417126

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