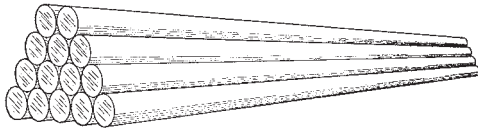


Copper-Nickel Rod

90-10 & 70-30 Rod



- 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 40,000 psi, Yield 18,000 psi, Elongation 35%, Machinability = 20.
 - 70-30: Tensile 45,000 psi, Yield 18,000 psi, Elongation 30%, Machinability = 20.
- Specifications: MIL-C-15726F, ASTM B 151, Temper 060 Soft.
- Stocked in random lengths.
- 70-30 Copper-Nickel rod is regarded as one of the best materials for marine applications because it is used in petroleum and chemical industries where conditions of temperature and corrosion are too severe for other alloys. Widely used in marine applications where resistance to both corrosion and biofouling is important. Because of its excellent corrosion resistance, anti-fouling characteristics, resistance to erosion in turbulent water and strength under different conditions of temperature and pressure.

Diameter Size	Lbs/Ft	90-10 Part Number	70-30 Part Number
1/4	0.200		143028 (Ho1 Temper)
3/8	0.432		416934
1/2	0.756	143303	143002
5/8	1.180		143010
3/4	1.710	143329	143036
7/8	2.320	143337	
1	3.060	143345	143052
1 1/8	3.840	143353	295697
1 1/4	5.000	143361	143060
1 3/8	6.000	143379	143078
1 1/2	7.000	143387	143086
1 3/4	9.760	143400	143094
2	12.750	143418	143109
2 1/4	16.130	143426	143125
2 3/8	17.320	143434	143133
2 1/2	20.000	143442	143141
2 3/4	24.000	143450	143159
3	28.000	143468	143167
3 1/16	30.000		487244
3 1/2	38.000	143264	143175
3 3/4	42.850	476099	476099
4	48.000	142983	143183
4 1/2	64.500		143191
5	80.000	405438	143206
5 1/2	96.000		143214
6	115.000	283690	143222
7	156.000		143230
8	207.500		143248
9	258.000		143256
10	320.000		143272

Sizes 5 1/2" and over are hot forged and turned.
 Dimensions are in inches. All weights are approximate.
 Sizes not shown may be available upon request. Specifications: pg. 62.