

## Manganese Bronze Round Rod



- UNS Designation Number: UNS C67500
- Nominal Chemicals: Copper 58.50%, Zinc 39.25%, Tin 1.00%, Iron 1.00%, Manganese 0.25%
- Average Physical Properties: Half Hard Temper, Tensile 80,000 psi, Yield 50,000 psi, Hardness B75, Elongation 20%
- Specifications: ASTM B 138, Temper H02 (1/2 Hard)
- Stocked in 12 foot random lengths
- Basically a tin bronze, manganese is added to serve as a deoxidizer. Its principal characteristics are high strength, toughness and excellent resistance to corrosion. This alloy has important marine applications such as propellers, rudders and non-magnetic mountings.

Size	Lbs/Ft	Lbs/12 Ft Length	Part Number
3/4	1.600	19.200	203234
1	2.850	34.200	203268
1 1/4	4.450	53.400	203323
1 1/2	6.410	76.920	203357
1 3/4	8.730	104.760	203381
2	11.400	136.800	203412
2 1/4	14.410	172.920	203446
2 1/2	17.600	211.200	203470
3	25.700	308.400	203501
3 1/4	30.110	361.320	203535
4	45.500	546.000	203569
5	71.300	855.600	203593

## Naval Bronze Round Rod, Non-Leaded

- UNS Designation Number: UNS C46400
- Nominal Chemicals: Copper 60.00%, Zinc 39.25%, Tin 0.75%
- Average Physical Properties: Tensile 70,000 psi, Yield 27,000 psi, Temper (As Extruded, about 1/2 Hard), Elongation 22%
- Specifications: ASTM B 21, Temper H02 (1/2 Hard)
- Stocked in 12 foot random lengths
- This alloy has excellent strength and corrosion resistance, fair machining qualities and is hot headed and hot forged.

Size	Lbs/Ft	Lbs/12 Ft Length	Part Number
1/4	.179	2.150	203886
5/16	.279	3.350	203917
3/8	.402	4.824	203941
1/2	.716	8.592	203975
5/8	1.119	13.428	204036
3/4	1.610	19.320	204060
7/8	2.190	26.290	204094
1	2.862	34.340	204125
1 1/8	3.622	43.460	204183
1 1/4	4.471	53.500	204159
1 3/8	5.410	64.920	204214
1 1/2	6.438	77.260	204248

Size	Lbs/Ft	Lbs/12 Ft Length	Part Number
1 3/4	8.763	105.156	204337
2	11.450	137.400	204395
2 1/4	14.490	173.880	204450
2 1/2	17.880	214.560	127064
3	25.790	309.480	204604
3 1/2	35.050	420.600	204662
4	45.780	549.360	204727
4 1/4	51.750	621.000	204751
5	71.630	716.300	204785
6	102.000	816.000	204840
8	183.100	1098.720	204874

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