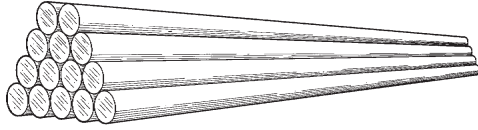


## Aluminum Nickel Bronze Round Rod



- UNS Designation Number: UNS C63000
- Nominal Chemicals: Copper 78-83.8%, Aluminum 9.7-10.9%, Iron 2.03-5%, Nickel 4.5-5.5%, Manganese 0-1.5%, Other 0-0.6%
- Average Physical Properties: Tensile 110,000 psi, Yield 60,000 psi, Elongation 10%, Brinell Hardness = 202
- Machinability = 30, Electrical Conuctivity 7% IACS
- Specifications: ASTM B 150, Temper HR50 (Drawn and Stress Relieved), AMS 4640
- Stocked in random lengths depending on size
- Aluminum nickel bronze is widely used when greater strength than aluminum bronze is required, such as for cam bearings, pump agitators, shafts and aircraft parts.

Size	Lbs/In	Lbs/Ft	Part Number
$\frac{3}{8}$	.030	.360	201436
$\frac{7}{16}$	.041	.494	420527
$\frac{1}{2}$	.053	.640	201460
$\frac{9}{16}$	.068	.810	201486
$\frac{5}{8}$	.085	1.016	201517
$\frac{11}{16}$	.101	1.210	460250
$\frac{3}{4}$	.120	1.440	201575
$\frac{13}{16}$	.139	1.670	460268
$\frac{7}{8}$	.163	1.956	201591
$\frac{15}{16}$	.188	2.250	460276
1	.213	2.550	201648
1 $\frac{1}{8}$	.269	3.230	201672
1 $\frac{3}{16}$	.301	3.610	477320
1 $\frac{1}{4}$	.333	4.000	201703
1 $\frac{3}{8}$	.403	4.830	201737
1 $\frac{1}{2}$	.479	5.750	201761
1 $\frac{5}{8}$	.562	6.740	201795
1 $\frac{3}{4}$	.653	7.830	201826
1 $\frac{7}{8}$	.748	8.980	201850
2	.863	10.350	201884
2 $\frac{1}{8}$	.962	11.540	201915
2 $\frac{1}{4}$	1.078	12.940	201949
2 $\frac{3}{8}$	1.201	14.410	201973
2 $\frac{1}{2}$	1.331	15.970	202000
2 $\frac{5}{8}$	1.467	17.600	202034
2 $\frac{3}{4}$	1.610	19.320	202068
2 $\frac{7}{8}$	1.759	21.110	460828
3	1.916	22.990	202092
3 $\frac{1}{8}$	2.083	25.000	460284
3 $\frac{1}{4}$	2.248	26.980	202123
3 $\frac{1}{2}$	2.608	31.300	202181

2  $\frac{3}{4}$ " and smaller - Lengths are random 12 foot.

3" and larger - Lengths are progressively shorter.

Dimensions are in inches. All weights are approximate.

Sizes not shown may be available upon request.

## Bronze Rod & Bar

### Aluminum Nickel Bronze Round Rod (continued)

Size	Lbs/In	Lbs/Ft	Part Number
3 <sup>3</sup> / <sub>4</sub>	2.993	35.920	202212
4	3.406	40.872	202238
4 <sup>1</sup> / <sub>4</sub>	4.075	48.900	202262
4 <sup>1</sup> / <sub>2</sub>	4.553	54.636	202296
4 <sup>3</sup> / <sub>4</sub>	5.000	60.000	460307
5	5.592	67.104	202327
5 <sup>1</sup> / <sub>2</sub>	6.720	80.640	454186*
6	7.990	95.880	202351*
6 <sup>1</sup> / <sub>2</sub>	9.150	109.800	472045*
8	13.666	164.000	476895*

\*ASTM B 150 only

2 <sup>3</sup>/<sub>4</sub>" and smaller - Lengths are random 12 foot.

3" and larger - Lengths are progressively shorter.

Dimensions are in inches. All weights are approximate.

Sizes not shown may be available upon request.