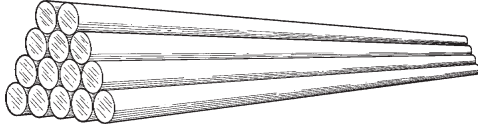


Phosphor Bronze Round Rod



- UNS Designation Number: UNS C51000
- Nominal Chemicals: Copper 94.75%, Tin 5.00%, Phosphorus 0.25%
- Average Physical Properties: Tensile 80,000 psi, Yield 55,000 psi, Hardness B80, Elongation 20%
- Machinability = 20, Electrical Conductivity 15% IACS
- Specifications: ASTM B 139, Temper H04 (Hard)
- Stocked in random lengths depending on size
- The outstanding characteristic of this alloy is its resistance to fatigue. It is used where high strength, great rigidity, resistance to corrosion and frictional wear are imperative.

| Size | Lbs/Ft | Lbs/12 Ft Length | Part Number |
|-------|---------|------------------|-------------|
| 1/4 | .189 | 2.268 | 208098 |
| 1 1/4 | 4.712 | 56.540 | 208064 |
| 1 3/4 | 9.240 | 110.880 | 275833 |
| 2 | 12.120 | 145.440 | 208153 |
| 2 1/2 | 18.900 | 226.800 | 208187 |
| 2 3/4 | 22.800 | 273.600 | 234942 |
| 3 | 28.230 | 338.760 | 208218 |
| 4 | 50.170 | 602.040 | 208276 |
| 5 | 78.410 | 940.920 | 208331 |
| 6 | 109.000 | 1308.000 | 208357 |

Silicon Bronze Round Rod

- UNS Designation Number: UNS C65500
- Nominal Chemicals: Copper 95.80%, Manganese 1.10%, Silicon 3.10%
- Average Physical Properties: Hard Temper, Tensile 85,000 psi, Yield 55,000 psi, Elongation 20%
- Machinability = 30, Electrical Conductivity 7% IACS
- Specifications: ASTM B 98, Temper H04 (Hard)
- Stocked in 12 foot lengths
- This copper-silicon alloy is characterized by high strength and exceptional resistance to corrosion. It has the strength and toughness of mild steel, is excellent for both hot and cold working and is readily welded. It is widely used for pole line and marine hardware.

| Size | Lbs/Ft | Lbs/12 Ft Length | Part Number |
|-------|--------|------------------|-------------|
| 1/4 | .181 | 2.172 | 210249 |
| 5/16 | .283 | 3.400 | 210273 |
| 3/8 | .408 | 4.900 | 210304 |
| 1/2 | .726 | 8.710 | 210338 |
| 5/8 | 1.134 | 13.610 | 210362 |
| 3/4 | 1.633 | 19.600 | 210396 |
| 7/8 | 2.222 | 26.664 | 210427 |
| 1 | 2.903 | 34.840 | 210451 |
| 1 1/4 | 4.536 | 54.430 | 210485 |
| 1 1/2 | 6.531 | 78.370 | 210516 |
| 2 | 11.610 | 139.320 | 210540 |
| 2 1/2 | 18.060 | 216.720 | 481963 |
| 3 | 26.130 | 313.560 | 210574 |

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