



# WESTERN STATES METALS

## PRODUCT SPECIFICATION

### **C95400 Continuous Cast Aluminum Bronze Bars**

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Continuous Cast Aluminum Bronze C954 is stocked in 144" lengths and are available in cut to length sizes. Aluminum Bronze is a very hard, very strong, abrasion resistant bronze whose physical properties remain good at elevated temperatures, compressive strength at 500 degree F is the same as that of Tin Bronze at room temperature. Good applications are heavy Earth moving equipment, roll neck bearings, and machine tool bearings.

### **Typical Properties**

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Note: not to be used for specification purposes.

### **Chemical Composition**

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Aluminum .....	10.0 – 11.5%
Iron .....	3.0 – 5.0%
Copper.....	83.0 Min

### **Minimum Physical Properties**

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Tensile Strength PSI .....	85,000
Yield Strength PSI .....	32,000
Elongation in 2" .....	12%
Brinell @ 3000 KG Load.....	170

### **Maximum Operating Temperature**

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500 °F

### **Comparable Alloy Specifications**

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C954

### **Common Manufacturing Specifications**

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ASTM B505; QQ-C-390B, Type III

### **Nominal Stock Allowances**

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O.D. up to 2.25" .....	.060 I.D. and O.D.
O.D. 2.25" to 3.25" .....	.080 I.D. and O.D.
O.D. 3.25" to 6.00" .....	.100 I.D. and O.D.
O.D. 6.25" to 8.00" .....	.125 I.D. and O.D.