



Aluminum Bronze

Aluminum Bronze has exceptional corrosion resistance and excellent wear characteristics. These alloys contain iron and nickel in addition to aluminum which provide additional phases in the microstructure. The presence of these phases allow the material to be heat treated for increased strength and allows its strength to be retained at elevated temperatures. These alloys are most commonly used in marine applications that require high corrosion resistance coupled with high strength and wear resistance.

Typical Chemistry Range									
Grade	Cu	Sn	Ni	Pb	Fe	Zn	Al	Mn	Similar Grades
954	83.0-87.0	0.0-.20	0.0-2.5	0.0-.20	3.0-5.0	0.0-0.5	10.0-12.0	0.0-0.4	C95400
955	78.0-83.0	0.0-0.15	3.5-5.0	-	3.0-5.0	0.0-0.5	10.0-11.0	0.0-2.0	C95500

Please contact your MCC International Representative for other Bronze Alloys available

Typical Mechanical Properties				
Grade	Tensile Strength (psi)	Yield Strength (psi)	Elongation (%)	BHN
954	90,000	45,000	6 min.	200-220
955	100,000	50,000	8 min.	225-240





MCC International's mission is to be a safe, stable, growing company; committed to our Customers, Employees and Owners by continually improving in all aspects of our business.



110 Centrifugal Court
McDonald Pennsylvania 15057
P: 724-745-0300
F: 724-745-0418
www.mccintl.com

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**ESW**
Eisenwerk Sulzau-Werfen
R.&E. Weinberger AG
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