



Aluminum Bronze A2 Bare

Description: A2 is very versatile for joining aluminum bronze of similar composition, silicon and manganese bronze, high strength copper-zinc alloys, some copper-nickel alloys, ferrous metals and dissimilar metals. Dissimilar applications include aluminum bronze to steel and copper to steel. It is also used for building up or overlaying metal for wear and corrosion resistant surfaces.

Application: Used for marine maintenance and repair welding of ship propellers, pump housings, rigging jacks, piston heads, bearings and many overlay or surfacing applications.

Specifications: Conforms to AWS A5.7 Classification: ERCUAl-A2

Weld Metal – Chemistry

	Zn (max)	Fe	Si (max)	Al	Pb (max)	Other (max)
Typical	0.02	0.5-1.5	0.10	8.5-11.0	0.02	0.50

Weld Metal – Mechanical Properties

	Tensile Strength	Yield Strength	Elongation % in 2"
Typical	79 ksi	35 ksi	28%

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