



BRODER METALS GROUP CA104

Aluminium Bronze CA104 is a high strength aluminium bronze alloy, with corrosion resistant properties suitable to marine and chlorine environments.

Specifications and Stock

Broder Metals can provide Aluminium Bronze CA104 with the intent to meet ASTM B124/B124M-08a CuAl10 Ni5Fe4 DIN 17 665 UNS C63200, C63000 CA 104 BS 2872, 2874, 2875 CuAl10Ni5Fe4 ISO 428.

Applications

Aluminium Bronze CA104 is favoured for its strength and resistance to erosion and corrosion in sea water. Key uses for the marine industry are high strength fasteners, springs, bearing bushes, valve and pump components. Alongside marine uses Aluminium Bronze CA104 is used for fasteners, springs and several components for the aerospace and automotive industry.

Aluminium Bronze CA104 Technical Table

Grade	CA104		
Specification	ASTM B124/B124M-08a Cu Al10 Ni5 Fe 4 DIN 17 665 UNS C63200, C63000 CA 104 BS 2872, 2874, 2875 Cu Al10 Ni5 Fe 4 ISO 428		
Use	High Strength fasteners, vales and pump components for industrial process streams, marine environment.		
Strengths	Excellent corrosion resistance.		
Chemistry		Min	Max
	Al	8.5	11
	Fe	4	5.5
	Ni	4	5.5
	Mn	-	0.5
	Zn*	-	0.4
	Sn*	-	0.1
	Si*	-	0.2
	Pb*	-	0.05
	Cu	Balance	
Mechanicals	Tensile Strength, MPa min	0.2% Proof stress N/mm ² (min)	Elongation on 5.65-gauge length %
6<15 mm dia	700	400	10
15 mm – 80 mm	700	370	12
80 mm+	650	320	12

CA104 is just one of a range of alloys from Broder Metals Group Ltd — please see our website for the full range stocked: www.broder-metals-group.com

+44 (0)114 232 9241



sales@broder-metals-group.com

www.broder-metals-group.com