

954 ALUMINIUM BRONZE

954 Bronze is a high strength aluminium bronze, with high hardness and abrasion resistance. 954 combines excellent strength and wear resistance with reasonable machining properties and good general corrosion resistance. 954 Bronze is suitable for high strength bearings with good impact resistance, but requires reliable full film lubrication due to poor anti seizing properties.

Sizes Available - Solid 3/4" – 8" Ø
Hollow 1" – 8" O/D

Related Specifications

United Kingdom	BS1400 AB-1
UNS	C95400
German	CuAl11Fe4
Japan	CAC702C
USA	ASTM B271/B505 SAE 9C

Chemical Composition*

	Min. %	Max %
Aluminium	10.0	11.5
Iron	3.0	5.0
Nickel	0	1.5
Manganese	0	0.5
Copper	Balance	

Typical Mechanical Properties – (For Guidance Only)

Tensile Strength (Mpa)	510-590 MPa
Yield Strength (Mpa)	200-230 MPa
Elongation (%)	12% Min
Hardness (Brinell BHN)	170-180 BHN

Other Information

Specific Gravity	7.45
Maximum Recommended Operating Temperature	260 Deg C
Stress Relieving Temperature	316 Deg C
Time at Temperature	1 hour per 25mm of section thickness