

ALUMINIUM BRONZE

CC333G

CC333G aluminium bronze achieves enhanced strength and toughness. The specification can withstand high loads, but suited better to slower moving parts with good lubrication.

The alloy also provides high levels of corrosion resistance.

Mainly used for its excellent resistance to corrosion in seawater, CC333G also possesses a high wear and abrasion resistance with an ability to withstand shock loading.

SOLID AND HOLLOW PROFILES AVAILABLE
STOCK SIZES UP TO 202mm OUTSIDE DIAMETER

PLEASE CONTACT FOR OTHER SIZES
AND CENTRIFUGAL CASTINGS

KEY FEATURES

- **High strength and toughness**
- **Resistance to shock loads**
- **Excellent corrosion resistance**
- **High wear resistance**
- **None sparking**

KEY MARKETS

- **Marine**
- **Oil and Gas**
- **Power Generation**
- **General Industrial**
- **Power Transmission**

CHEMICAL PROPERTIES

	Min %	Max %
Copper (Cu)	76.0	83.0
Aluminium (Al)	8.5	10.5
Nickel (Ni)	4.0	6.0
Iron (Fe)	4.0	5.5
Manganese (Mn)	—	3.0
Zinc (Zn)	—	0.5
Tin (Sn)	—	0.1
Silicon (Si)	—	0.1
Chromium (Cr)	—	0.05
Magnesium (Mg)	—	0.05
Lead (Pb)	—	0.03
Bismuth (Bi)	—	0.01

MECHANICAL PROPERTIES

Tensile Strength (N/mm ²)	650
Yield Strength (N/mm ²)	280
Elongation (%)	13
Hardness (HV)	150

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LEEDS BRONZE
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