

LG-2 BRONZE

LG-2 Bronze is a general purpose leaded gunmetal conforming to BS1400 – 1985. Lg-2 has excellent machining properties, medium strength, and is not subject to dezincification (Category I alloy). It has reasonable resistance to saltwater and brine making it suitable for pump and valve components. LG-2 is also suitable for bearing and gearing applications that are light duty and negligible loading.

Stocked Sizes - Solid $\frac{1}{2}'' - 8'' \varnothing$
Hollow $1'' - 10''$ O/D

Related Specifications

UNS	C83600
German	CuSn5ZnPb
Japan	JIS CAC402C (BC6)
USA	ASTM B271/B505 SAE 40/J462

Chemical Composition*

	Min. %	Max %
Tin	4.0	6.0
Lead	4.0	6.0
Zinc	4.0	6.0
Nickel	0	1.0
Copper	Balance	

Typical Mechanical Properties – (For Guidance Only)

Tensile Strength (Mpa)	270-300 MPa
Yield Strength (Mpa)	120 MPa
Elongation (%)	20
Hardness (Brinell BHN)	75 BHN

Other Information

Specific Gravity	8.8
Maximum Recommended Operating Temperature	230 Deg C
Stress Relieving Temperature	260 Deg C
Time at Temperature	1 hour per 25mm of section thickness