



James Coppel Lee

LB2 AS-1565 Grade C93700

SAND AND CHILL CASTINGS

ABOUT

LB2 is a Leaded Bronze, for bearings that can have poor lubrication.

EQUIVALENT TO

Britain	BS-1490 LB2
USA	SAE 64 ASTM 937
Japan	
Germany	

NOMINAL CHEMICAL ANALYSIS

CHEMICAL COMPOSITION (Maximum % Unless Otherwise Listed)									OTHER ELEMENTS (*NOTES)
Copper Cu	Tin Sn	Zinc Zn	Nickel Ni	Lead Pb	Phos P	Alum Al	Iron Fe	Mang Mn	
78.0- 82.0	9.2- 11.0	0.80	1.0	8.0- 11.0	0.15	0.005	0.20		*Ni max. incl. Co. *Ni max.

MECHANICAL PROPERTIES

TENSILE (MPa)		ELONGATION (5-65/50% MIN.)		.2% PROOF (MPa)		HARDNESS HB	
Sand Cast	Chill Cast	Sand Cast	Chill Cast	Sand Cast	Chill Cast	Sand Cast	Chill Cast
160	200	7	5	80	130	65	85

Compressive Strength 0.1% Permanent Set	
Specific Gravity	
Machinability Rating (Free Machining Brass=100)	
Max. Operating Temperature	
Stress Relieving Temperature	
Time at Temperature	

APPLICATIONS

- General Purpose Bronze