



James Coppel Lee

G.1 AS-1565 Grade C92610

SAND AND CHILLCASTINGS

ABOUT

Gi is an Admiralty Bronze, with good corrosion resistance in marine applications. Low Lead Bronze.

EQUIVALENT TO

Britain	BS1490 G1
USA	SAE 62
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	
84.0- 86.0	9.7- 10.5	1.75- 2.75	1.0	1.5	0.02	0.001	0.15		*Ni max. incl. C

MECHANICAL PROPERTIES

TENSILE (NPa)		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
270	270	13	3	130	130	70	95

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 Bearings
- Hydraulics Ram Components
- Crank Gears
- Valve Seats
- Slide Valves
- Rock Drill Parts
- Crusher Bearings
- Hose Nozzles
- Irrigation Equipment
- Rollers
- Washers
- Wear Rings