

SAE660 AS-1565 Grade C93200

SAND AND CHILLCASTINGS



James Coppell Lee

ABOUT

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

EQUIVALENT TO

Britain

USA

SAE 660

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	
81.0- 85.0	6.5- 7.5	2.5- 4.0	1.0	6.0- 8.0	0.15	0.005	0.20		*Ni max. incl. Co. *Ni max.

MECHANICAL PROPERTIES

TENSILE (NPa)		ELONGATION (5-65/50% MIN.)		.2% PROOF (MPa)		HARDNESS HB	
Sand Cast		Sand Cast		Sand Cast	Chill Cast	Sand Cast	
210		12		100		70	

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