

SCB6 AS-1565 Grade C83700 BRASS

SAND CASTINGS



James Coppell Lee

ABOUT

SCB6, is a general-purpose casting brass. Excellent for brazing.

EQUIVALENT TO

Britain	BS1490 -SCB6
USA	SAE 44
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	
83.0- 88.0	1.0	REM	0.30	0.50		0.005	0.30		*Ni max. incl. Co.

MECHANICAL PROPERTIES / Typical

TENSILE (MPa)		ELONGATION (5-65/50% MIN.)		.2% PROOF (MPa)		HARDNESS RB	
Sand Cast		Sand Cast		Sand Cast		Sand Cast	
170		18		80		45	

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

APPLICATIONS

- Flanges
- Parts to be brazed
- Marine parts