

Material: AS/NZS 1565 852C

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: AS/NZS 1565 Copper and Copper Alloys - Ingots and Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Arsenic	As %	0.020 - 0.060		
Iron	Fe %	0.800 max.		
Nickel	Ni %	1.000 max.		
Lead	Pb %	2.000 - 5.000		
Silicon	Si %	0.005 max.		
Tin	Sn %	1.000 - 3.000		
Cu + Ni	Cu%+Ni%	70.000 - 75.000		
Zinc	Zn %	Balance	Mechanical Properties Tensile Strength in Mpa 170 min. Yield Strength in Mpa 80 min. Elongation in % 18 min. Reduction of Area in % - Hardness in HB 45 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SCB1	BS	British	Casting
C85210	AS	Australia	Ingot and Casting
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