

# Material: AS/NZS 1565 837D

## 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		
Aluminium	Al %	0.005 max.
Arsenic	As %	0.050 - 0.200
Iron	Fe %	0.300 max.
Nickel	Ni %	0.300 max.
Lead	Pb %	0.500 max.
Silicon	Si %	0.005 max.
Tin	Sn %	1.000 max.
Copper	Cu %	83.000 - 88.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SCB6	BS	British	Casting
C83700	AS	Australia	Ingots and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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