

# Material: AS/NZS 1565 854C

## 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 %	0.350 max.
Iron	Fe %	0.700 max.
Nickel	Ni %	1.000 max.
Lead	Pb %	1.500 - 3.800
Silicon	Si %	0.050 max.
Tin	Sn %	0.500 - 1.500
Zinc	Zn %	24.000 - 32.000
Copper	Cu %	65.000 - 70.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	190 min.
Yield Strength in Mpa	70 min.
Elongation in %	11 min.
Reduction of Area in %	-
Hardness in HB	45 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SCB3	BS	British	Casting
C85400	AS	Australia	Ingot and Casting
CuZn33Pb2	ISO	International	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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