

Material: AS/NZS 1565 869D

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 %	5.000 - 7.500	As-Cast	
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	2.500 - 5.000		
Nickel	Ni %	1.000 max.		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.200 max.		
Zinc	Zn %	22.000 - 28.000		
Copper	Cu %	60.000 - 66.000		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	760 min.
			Yield Strength in Mpa	415 min.
			Elongation in %	12 min.
			Reduction of Area in %	-
			Hardness in HB	150 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
HTB3	BS	British	Ingot and Casting
C86300	AS	Australia	Ingot and Casting
CuZn26Al4Fe3Mn3	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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