



## Material - AS/NZS 1565 865C

### 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 %	0.500 - 1.500	As-Cast	
Iron	Fe %	0.400 - 2.000		
Manganese	Mn %	1.000 - 1.500		
Nickel	Ni %	1.000 max.		
Lead	Pb %	0.400 max.		
Tin	Sn %	1.000 max.		
Zinc	Zn %	36.000 - 42.000		
Copper	Cu %	55.000 - 60.000		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
HTB1	BS	British	Ingot and Casting
C86500	AS	Australia	Ingot and Casting
CuZn35AlFeMn	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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