



## Material - AS/NZS 1565 C86500

Standard Specification for Copper and Copper Alloys - Ingot and Casting

**Group - Non-Ferrous Copper Alloy** 

Sub Group - AS/NZS 1565 Copper and Copper Alloys - Ingot and Casting

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 %	0.100 - 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 BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
C86500	UNS	USA	Rod, Bar, Tube and Shapes	
B147-8A	ASTM	USA	Casting	
SB-505 C86500	ASME	USA	Casting	
SB-584 C86500	SAE	USA	Casting	
C86500	SAE	USA	Casting	
CA865	SAE	USA	Casting	
SAE 43	SAE	USA	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

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