



## Material - AS/NZS 1565 C86300

**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 %	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		
-	-	-		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	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
C86300	UNS	USA	Rod, Bar, Tube and Shapes
B271 C86300	ASTM	USA	Casting
B30 C86300	ASTM	USA	Ingot and Casting
CA863	SAE	USA	Casting
SAE 430B	SAE	USA	Casting
SB-505 C86300	ASME	USA	Casting
SB-584 C86300	ASME	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](mailto:marketing@gravitycastindia.com)**

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