



## Material - AS/NZS 1565 C93500

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 %	0.005 max.	As-Cast	
Iron	Fe %	0.200 max.		
Nickel	Ni %	1.000 max.		
Phosphorus	P %	0.050 max.		
Lead	Pb %	8.000 - 10.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.300 max.		
Tin	Sn %	4.500 - 6.000		
Zinc	Zn %	2.000 max.		
Copper	Cu %	83.000 - 86.000		
-	-	0	<b>Mechanical Properties</b> Tensile Strength in Mpa      160 - 230 Yield Strength in Mpa      60 - 130 Elongation in %      5 - 9 Reduction of Area in %      - Hardness in HB      45 - 60 Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C93500	UNS	USA	Rod, Bar, Tube and Shapes
B30 C93500	ASTM	USA	Ingot and Casting
B271 C93500	ASTM	USA	Casting
SB-505 C93500	ASME	USA	Casting
SB-584 C93500	ASME	USA	Casting
C93500	SAE	USA	Casting
CA935	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](mailto:marketing@gravitycastindia.com)**

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