



## Material - ASTM B30 C93500

### Standard Specification for Copper Alloys Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B30 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 %	0.100 max.		
Ni + Co	Ni% + Co%	0.800 max.		
Phosphorus	P %	0.040 max.		
Lead	Pb %	8.500 - 9.700		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.300 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.500 - 5.500		
Zinc	Zn %	0.500 - 1.500		
Copper	Cu %	83.00 - 85.000	<b>Mechanical Properties</b> Tensile Strength in Mpa      193 min. Yield Strength in Mpa      83 min. Elongation in %      15 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C93500	UNS	USA	Rod, Bar, Tube and Shapes
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
C93500	AS	Australia	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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