



## Material - ASTM B505 UNS C96400

### Standard Specification for Copper Alloy Continuous Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 / 505M Copper Alloys for Continuous Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Lead	Pb %	0.010 max.	As-Cast	
Ni + Cu	Ni% + Cu%	28.000 - 32.000		
Iron	Fe %	0.250 - 1.500		
Sulphur	S %	0.020 max.		
Phosphorus	P %	0.020 max.		
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.500 max.		
Copper	Cu %	65.000 - 69.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	448 min.
			Yield Strength in Mpa	241 min.
			Elongation in %	25 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C96400	ASTM	USA	Ingot and Casting
B369 C96400	ASTM	USA	Casting
B505 C96400	ASTM	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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