

## Material: ASME SB-505 C84400

### Standard Specification for Copper Alloy Continuous Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM SB-505 Copper Alloy Continuous Casting

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment			
Aluminium	Al %	0.005 max.	As-Cast			
Iron	Fe %	0.400 max.				
Ni + Co	Ni% + Co%	1.000 max.				
Phosphorus	P %	1.500 max.				
Lead	Pb %	6.000 - 8.000				
Sulphur	S %	0.080 max.				
Antimony	Sb %	0.250 max.				
Silicon	Si %	0.005 max.				
Tin	Sn %	2.300 - 3.500				
Zinc	Zn %	7.000 - 10.000				
Copper	Cu %	78.000 - 82.000	<b>Mechanical Properties</b>			
-	-	-			Tensile Strength in Mpa	207 min.
-	-	-			Yield Strength in Mpa	103 min.
-	-	-			Elongation in %	16 min.
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in BHN	-
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C84400	UNS	USA	Rod, Bar, Tube and Shapes
B145-5A	ASTM	USA	Casting
B271 C84400	ASTM	USA	Casting
B30 5A	ASTM	USA	Casting
B30 C84400	ASTM	USA	Casting
B505 C84400	ASTM	USA	Casting
SB-584 C84400	ASME	USA	Casting

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