

## Material: ASTM B30 C89320

### 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	
Bismuth	Bi %	4.000 - 6.000		
Iron	Fe %	0.200 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Phosphorus	P %	0.300 max.		
Lead	Pb %	0.090 max.		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.350 max.		
Tin	Sn %	5.000 - 7.000		
Silicon	Si %	0.005 max.		
Zinc	Zn %	1.000 max.		
Copper	Cu %	87.000 - 91.000		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	241 min.
			Yield Strength in Mpa	124 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C89320	UNS	USA	Rod, Bar, Tube and Shapes
B505 C89320	ASTM	USA	Casting
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)