Material - ASTM B30 C85800
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 %	0.500 max.	As-Cast	
Arsenic	As %	0.050 max.		
Iron	Fe %	0.500 max.		
Manganese	Mn %	0.250 max.		
Ni + Co	Ni% + Co%	0.500 max.		
Phosphorus	P %	0.010 max.		
Lead	Pb %	1.500 max.		
Sulphur	S %	0.050 max.	Mechanical Properties	
Antimony	Sb %	0.050 max.		
Silicon	Si %	0.250 max.	Tensile Strength in Mpa	379 min.
Tin	Sn %	1.500 max.	Yield Strength in Mpa	207 min.
Zinc	Zn %	31.000 - 41.000	Elongation in %	15 min.
Copper	Cu %	57.000 min.	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C85800	UNS	USA	Rod, Bar, Tube and Shapes
B176 C85800	ASTM	USA	Casting
CA858	SAE	USA	Casting
C85800	SAE	USA	Casting
C85800	UNS	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

ONE STOP SOLUTION FOR METAL PARTS