



Material - ASTM B505 Nickel-Aluminium Bronze UNS C95800

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 %	0.030 max.	As-Cast or Solution Annealing	
Ni + Cu	Ni% + Cu%	4.000 - 5.000		
Iron	Fe %	3.500 - 4.500		
Manganese	Mn %	0.800 - 1.500		
Aluminium	Al %	8.500 - 9.500		
Silicon	Si %	0.100 max.		
Copper	Cu %	79.000 min.		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	586 min.
-	-	-	Yield Strength in Mpa	241 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B148 C95800	ASTM	USA	Casting
B271 C95800	ASTM	USA	Casting
SB-148 C95800	ASME	USA	Casting
SB-505 C95800	ASME	USA	Casting
C95800	SAE	USA	Casting
CACIn703	KS	Korea	Ingot and Casting
B505 C95800	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

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