



Material - ASTM B271 Nickel Aluminium Bronze UNS C95500

Standard Specification for Copper-Base Alloy Centrifugal Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B271 Copper-Base Alloy Centrifugal 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	
Iron	Fe %	3.000 - 5.500	As-Cast or Solution Annealing or Annealing or Normalizing	
Ni + Co	Ni% + Co%	3.000 - 5.500		
Aluminium	Al %	10.000 - 11.500		
Manganese	Mn %	3.500 max.		
Copper	Cu %	78.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	620 min.
			Yield Strength in Mpa	275 min.
			Elongation in %	6 min.
			Reduction of Area in %	-
			Hardness in BHN	190 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B148 C95500	ASTM	USA	Casting
B30 C95500	ASTM	USA	Ingot and Casting
B271 C95500	ASTM	USA	Casting
SB-148 C95500	ASME	USA	Casting
SB-505 C95500	ASME	USA	Casting
CA955	SAE	USA	Casting
C95500	SAE	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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