



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B148 Nickel Aluminum Bronze UNS C95500

Standard Specification for Aluminum - Bronze Sand Castings

Group - Non-Ferrous Aluminum Alloy

Sub Group - ASTM B148 Aluminum - Bronze Sand Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Ni + Cu	Ni% + Cu%	3.000 - 5.500	As-Cast or Solution Annealing or Normalizing	
Manganese	Mn %	3.500 max.		
Iron	Fe %	3.000 - 5.000		
Aluminium	Al %	10.000 - 11.500		
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
B176 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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