



Material - ASTM B148 Nickel Aluminum Bronze UNS C95520

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	
Lead	Pb %	0.030 max.	As-Cast or Solution Annealing or Normalizing	
Silicon	Si %	0.150 max.		
Ni + Cu	Ni% + Cu%	4.200 - 6.000		
Manganese	Mn %	1.500 max.		
Iron	Fe %	4.000 - 5.500		
Aluminium	Al %	10.000 - 11.500		
Copper	Cu %	74.500 min.		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C95520	ASTM	USA	Ingot and Casting
B271 C95520	ASTM	USA	Casting
B505 C95520	ASTM	USA	Casting
SB-148 C95520	ASME	USA	Casting
78Cu-11Al-5.1Ni-4.8Fe	SAE	USA	Casting
B176 C95520	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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