

Material: ASTM B148 Nickle Aluminum Bronze UNS C95520

Standard Specification for Alumium - Bronze Sand Castings

Group: Non-Ferrous Alumium Alloy

Sub Group: ASTM B148 Alumium - 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 -	
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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
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