

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.		
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-	-	-	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 -	
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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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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