

Material - ASTM B148 Nickle Aluminum Bronze UNS C95800

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 Annealing or Tempering	
Silicon	Si %	0.100 max.		
Ni + Cu	Ni% + Cu%	4.000 - 5.000		
Manganese	Mn %	0.800 - 1.500		
Iron	Fe %	3.500 - 4.500		
Aluminium	Al %	8.500 - 9.500		
Copper	Cu %	79.000 min.		
-	-	-	Mechanical Properties Tensile Strength in Mpa 585 min. Yield Strength in Mpa 240 min. Elongation in % 15 min. 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
B505 C95800	ASTM	USA	Casting
B271 C95800	ASTM	USA	Casting
SB-148 C95800	ASME	USA	Casting
SB-505 C95800	ASME	USA	Casting
C95800	SAE	USA	Casting
CACIn703	KS	Korea	Ingot and Casting
B505 C95800	ASTM	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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