



## Material - ASME SB-148 Grade 9E

### Standard Specification for Aluminum-Bronze Sand Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-148 Aluminum-Bronze Sand Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	6.000 - 8.000	As-Cast	
Ni + Co	Ni% + Co%	0.250 max.		
Silicon	Si %	1.800 - 3.200		
Copper	Cu %	88.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	415 min.
			Yield Strength in Mpa	195 min.
			Elongation in %	10 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95600	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95600	ASTM	USA	Casting
B148 Grade E	ASTM	USA	Casting
B30 9E	ASTM	USA	Ingot and Casting
B30 C95600	ASTM	USA	Ingot and Casting
SB-148 C95600	ASME	USA	Casting
SB-148 Grade E	ASME	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](mailto:marketing@gravitycastindia.com)**

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