



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ASTM B271 Aluminium Bronze UNS C95400

**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 - 5.000	As-Cast or Solution Annealing or Annealing or Normalizing	
Ni + Co	Ni% + Co%	1.500 max.		
Aluminium	Al %	10.000 - 11.500		
Manganese	Mn %	0.500 max.		
Copper	Cu %	83.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	515 min.
			Yield Strength in Mpa	205 min.
			Elongation in %	12 min.
			Reduction of Area in %	-
			Hardness in BHN	150 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B66 C95400	ASTM	USA	Casting
B148 C95400	ASTM	USA	Casting
SB-148 C95400	ASME	USA	Casting
SB-148 Grade C	ASME	USA	Casting
CA954	SAE	USA	Casting
C95400	SAE	USA	Casting
C95400	AS	Australia	Ingot and 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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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