



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

## Material - ASTM B505 Aluminium Bronze UNS C95900

**Standard Specification for Copper Alloy Continuous Castings**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASTM B505 / 505M Copper Alloys for Continuous 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	
Ni + Cu	Ni% + Cu%	0.500 max.	As-Cast or Annealing	
Iron	Fe %	3.000 - 5.000		
Manganese	Mn %	1.500 max.		
Aluminium	Al %	12.000 - 13.500		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HB	241 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C95900	ASTM	USA	Ingot and Casting
B271 C95900	ASTM	USA	Casting
B505 C95900	ASTM	USA	Casting
B148 C95900	ASTM	USA	Casting
SB-148 C95900	ASME	USA	Casting
SB-271 C95900	ASME	USA	Casting
SB-505 C95900	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)**

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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