



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

## Material - ASTM B505 UNS C95700

**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	
Lead	Pb %	0.030 max.	As-Cast	
Ni + Cu	Ni% + Cu%	1.500 - 3.000		
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	11.000 - 14.000		
Aluminium	Al %	7.000 - 8.000		
Silicon	Si %	0.100 max.		
Copper	Cu %	71.000 min.		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      620 min. Yield Strength in Mpa      275 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
B148 C95700	ASTM	USA	Casting
B148 Grade F	ASTM	USA	Casting
B30 9F	ASTM	USA	Casting
SB-148 C95700	ASME	USA	Casting
SB-148 Grade 9F	ASME	USA	Casting
SB-148 Grade F	ASME	USA	Casting
CACIn704	KS	Korea	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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