



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B505 UNS C99500

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 %	0.250 max.	As-Cast	
Zinc	Zn %	0.500 - 2.000		
Ni + Cu	Ni% + Cu%	3.500 - 5.500		
Iron	Fe %	3.000 - 5.000		
Manganese	Mn %	0.500 max.		
Aluminium	Al %	0.500 - 2.000		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	483 min.
			Yield Strength in Mpa	276 min.
			Elongation in %	12 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C99500	ASTM	USA	Ingot and Casting
B505 C99500	ASTM	USA	Casting
B763 C 99500	ASTM	USA	Casting
SB-505 C99500	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

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