



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 21 C48500

Standard Specification for Naval Brass Rod, Bar and Shapes

Group - Non Ferrous Copper Alloys

Sub Group - ASTM B 21 C48500 Naval Brass Rod, Bar and Shapes

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

Grade Belongs to the Industry - Rod, Bar and Shape

Chemical Composition			Heat Treatment	
Iron	Fe %	0.100 max.	As Raw or Solution Heat Treated	
Lead	Pb %	1.300 - 2.200		
Tin	Sn %	0.500 - 1.000		
Copper	Cu %	59.000 - 62.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	345 min.
			Yield Strength in Mpa	140 min.
			Elongation in %	10 min.
			Reduction of Area in %	-
			Hardness in HRC	60 - 90
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn36Pb2Sn1	DIN	Germany	Rod
B 124 C48500	ASTM	USA	Rod, Bar and Shape
B 283 C48500	ASTM	USA	Forging
SB-283 C48500	ASME	USA	Forging
2.0371	DIN	Germany	Rod
485	AS	Australia	Forging
C48500	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

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