

Material: ASTM B 283 C48500

Standard Specification for Copper and Copper-Alloy Die Forgings

Group: Non Ferrous Copper Alloys

Sub Group: ASTM B 283 C48500 Copper and Copper-Alloy Die Forgings

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

Grade Belongs to the Industry: Forging

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 358 min. Yield Strength in Mpa 152 min. Elongation in % 25 min. Reduction of Area in % - Hardness in HRC 55 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn36Pb2Sn1	DIN	Germany	Rod
B 21 C48500	ASTM	USA	Rod, Bar and Shape
B 124 C48500	ASTM	USA	Rod, Bar and Shape
SB-283 C48500	ASME	USA	Forging
2.0371	DIN	Germany	Rod
485	AS	Australia	Forging
C48500	AS	Australia	Ingot and Casting

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