



Material - ASTM B176 UNS C86500

Standard Specification for Copper Alloy Die Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B176 Copper Alloy Die Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	1.000 max.	As-Cast	
Lead	Pb %	0.400 max.		
Zinc	Zn %	36.000 - 42.000		
Iron	Fe %	0.400 - 2.000		
Ni + Cu	Ni% + Cu%	1.000 max.		
Aluminium	Al %	0.500 - 1.500		
Manganese	Mn %	0.100 - 1.500 max.		
Copper	Cu %	55.000 - 60.000		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B147-8A	ASTM	USA	Casting
SB-505 C86500	ASME	USA	Casting
SB-584 C86500	SAE	USA	Casting
C86500	SAE	USA	Casting
CA865	SAE	USA	Casting
SAE 43	SAE	USA	Casting
C86500	AS	Australia	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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