

ASTM B271 High-Strength Yellow Brass UNS C86500

Standard Specification for Copper-Base Alloy Centrifugal Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B271 Copper-Base Alloy Centrifugal 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	
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 + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.500 - 1.500		
Manganese	Mn %	0.100 - 1.500		
Copper	Cu %	55.000 - 60.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	448 min.
-	-	-	Yield Strength in Mpa	172 min.
-	-	-	Elongation in %	20 min.
-	-	-	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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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