Material - ASTM B271 High-Strength Yellow Brass UNS C86200

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 %	0.200 max.	As-Cast	
Lead	Pb %	0.200 max.		
Zinc	Zn %	22.000 - 28.000		
Iron	Fe %	2.000 - 4.000		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	3.000 - 4.900		
Manganese	Mn %	2.500 - 5.000		
Copper	Cu %	60.000 - 66.000		
-	-	-	**Mechanical Properties**	
-	-	-	Tensile Strength in Mpa	621 min.
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B147-8B	ASTM	USA	Casting
B271 C86200	ASTM	USA	Casting
CA862	SAE	USA	Casting
SAE 430A	SAE	USA	Casting
SB-505 C86200	ASME	USA	Casting
SB-584 C86200	ASME	USA	Casting
CACIn303	KS	Korea	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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