



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B271 Leaded Yellow Brass UNS C85400

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 %	0.500 - 1.500	As-Cast	
Lead	Pb %	1.500 - 3.800		
Zinc	Zn %	24.000 - 32.000		
Iron	Fe %	0.700 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.350 max.		
Silicon	Si %	0.050 max.		
Copper	Cu %	65.000 - 70.000		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	207 min.
-	-	-	Yield Strength in Mpa	76 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
B30 C85400	ASTM	USA	Ingot and Casting
B271 C85400	ASTM	USA	Casting
B584 C85400	ASTM	USA	Casting
C85400	SAE	USA	Casting
CA854	SAE	USA	Casting
C85400	AS	Australia	Casting
CACIn202	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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