

ASTM B271 High-Strength Yellow Brass UNS C86700

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 %	1.500 max.	As-Cast	
Lead	Pb %	0.500 - 1.500		
Zinc	Zn %	30.000 - 38.000		
Iron	Fe %	1.000 - 3.000		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	1.000 - 3.000		
Manganese	Mn %	1.000 - 3.500		
Copper	Cu %	55.000 - 60.000		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	552 min.
-	-	-	Yield Strength in Mpa	221 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B132-B	ASTM	USA	Casting
B271 C86700	ASTM	USA	Casting
B30 C86700	ASTM	USA	Ingot and Casting
B584 C86700	ASTM	USA	Casting
SB-584 C86700	ASME	USA	Casting
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