

Material: ASTM B100 C61400

Standard Specification for Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B100 Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use

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

Belongs to the Industry: Plate and Sheet

Chemical Composition			Heat Treatment	
Aluminium	Al %	6.000 - 8.000	As Drawn or Stress Relieving	
Iron	Fe %	1.500 - 3.500		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.015 max.		
Lead	Pb %	0.010 max.		
Zinc	Zn %	0.200 max.		
Cu + Ag	Cu% + Ag%	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 415 min. Yield Strength in Mpa 170 min. Elongation in % 10 min. Reduction of Area in % - Hardness in HB 130 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C61400	UNS	USA	Rod, Bar, Tube and Shapes
B111 C61400	ASTM	USA	Tubes
B169 C61400	ASTM	USA	Sheet, Strip and Bar
B171 C61400	ASTM	USA	Plate and Sheet
B315 C61400	ASTM	USA	Pipe and Tube
CA614	SAE	USA	Casting
SB-150 C61400	ASME	USA	Rod, Bar and Shapes

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