

Material: ASTM B100 C65500

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
Iron	Fe %	0.800 max.	
Manganese	Mn %	0.500 - 1.300	
Ni + Co	Ni% + Co%	0.600 max.	
Lead	Pb %	0.050 max.	
Silicon	Si %	2.800 - 3.800	
Zinc	Zn %	1.500 max.	
Cu + Ag	Cu% + Ag%	Balance	
-	-	-	
-	-	-	Normalizing or Annealing or Tempering
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			Tensile Strength in Mpa
			415 min.
			Yield Strength in Mpa
			170 min.
			Elongation in %
			10 min.
			Reduction of Area in %
			-
			Hardness in HRB
			75 min.
			Impact in Joule
			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C65500	ASTM	USA	Rod, Bar and Shapes
C65500	AS	Australia	Ingot and Casting
B283 C65500	ASTM	USA	Forging
B96 C65500	ASTM	USA	Plate, Sheet, Strip and Bar
B98 C65500	ASTM	USA	Rod, Bar and Shape
SB-98 C65500	ASME	USA	Rod, Bar and Shape
SB-283 C65500	ASME	USA	Forging

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