

Material: ASME SB-283 C65500

Standard Specification for Copper and Copper-Alloy Die Forgings

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-283 Copper and Copper-Alloy Die Forgings

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

Belongs to the Industry: Forging

Chemical Composition		
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.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	360 min.
Yield Strength in Mpa	125 min.
Elongation in %	70 min.
Reduction of Area in %	-
Hardness in HRB	62 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	Ingots and Casting
B100 C65500	ASTM	USA	Plate and Sheet
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

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