Material: ASME SB-283 C71520

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		
Carbon	C %	0.050 max.
Iron	Fe %	0.400 - 1.000
Manganese	Mn %	1.000 max.
Ni + Co	Ni% + Co%	29.000 - 33.000
Phosphorus	P %	0.020 max.
Lead	Pb %	0.020 max.
Sulphur	S %	0.020 max.
Zinc	Zn %	0.500 max.
Cu + Ag	Cu% + Ag%	65.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	310 - 345
Yield Strength in Mpa	124 - 138
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B124 C71520	ASTM	USA	Rod, Bar and Shapes
B151 C71520	ASTM	USA	Rod and Bar
B171 C71520	ASTM	USA	Plate and Sheet
B283 C71520	ASTM	USA	Forging
B466 C71520	ASTM	USA	Pipe and Tube
SB-151 C71520	ASME	USA	Rod and Bar
SB-171 C71520	ASME	USA	Plate and Sheet

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