

Material: ASME SB-283 C61900

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		
Aluminium	Al %	8.500 - 10.000
Iron	Fe %	3.000 - 4.500
Lead	Pb %	0.020 max.
Tin	Sn %	0.600 max.
Zinc	Zn %	0.800 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	565 min.
Yield Strength in Mpa	255 min.
Elongation in %	32 min.
Reduction of Area in %	-
Hardness in HRB	82 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C61900	UNS	USA	Rod, Bar, Tube and Shapes
B124 C61900	ASTM	USA	Rod, Bar and Shapes
B150 C61900	ASTM	USA	Rod, Bar and Shapes
B283 C61900	ASTM	USA	Forging
SB-150 C61900	ASME	USA	Rod, Bar and Shapes
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-	-	-	-

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