

# Material: ASTM B283 C64210

## Standard Specification for Copper and Copper-Alloy Die Forgings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B283 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 %	6.300 - 7.000
Arsenic	As %	0.090 max.
Iron	Fe %	0.300 max.
Manganese	Mn %	0.100 max.
Ni + Co	Ni% + Co%	0.250 max.
Lead	Pb %	0.050 max.
Silicon	Si %	1.500 - 2.000
Tin	Sn %	0.200 max.
Zinc	Zn %	0.500 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	570 min.
Yield Strength in Mpa	285 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HRB	77 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C64210	UNS	USA	Rod, Bar, Tube and Shapes
B124 C64210	ASTM	USA	Rod, Bar and Shape
B150 C64210	ASTM	USA	Rod, Bar and Shape
SB-150 C64210	ASME	USA	Rod, Bar and Shape
SB-283 C64210	ASME	USA	Forging
-	-	-	-
-	-	-	-

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