

# Material: ASTM B283 C63200

## 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 %	8.700 - 9.500
Iron	Fe %	3.500 - 4.300
Manganese	Mn %	1.200 - 2.000
Ni + Co	Ni% + Co%	4.000 - 4.800
Lead	Pb %	0.020 max.
Silicon	Si %	0.100 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	635 min.
Yield Strength in Mpa	310 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HRB	88 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C63200	UNS	USA	Rod, Bar, Tube and Shapes
B124 C63200	ASTM	USA	Rod, Bar and Shape
B150 C63200	ASTM	USA	Rod, Bar and Shape
SB-150 C63200	ASME	USA	Rod, Bar and Shape
SB-171 C63200	ASME	USA	Plate and Sheet
SB-283 C63200	ASME	USA	Forging
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