

# Material: ASTM B150 UNS C64200

## Standard Specification for Aluminum Bronze Road, Bar and Shapes

**Group:** Non-Ferrous Aluminum Alloy

**Sub Group:** ASTM B150 Aluminum Bronze Road, Bar and Shapes

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

**Belongs to the Industry:** Rod, Bar and Shape

Chemical Composition		
Arsenic	As %	0.150 max.
Lead	Pb %	0.050 max.
Zinc	Zn %	0.500 max.
Tin	Sn %	0.200 max.
Silicon	Si %	1.500 - 2.200
Manganese	Mn %	0.100 max.
Ni + Cu	Ni% + Cu%	0.250 max.
Iron	Fe %	0.300 max.
Aluminium	Al %	6.300 - 7.600
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	170 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in BHN	65 - 95
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C64200	ASTM	USA	Rod, Bar and Shape
B283 C64200	ASTM	USA	Forging
SB-150 C64200	ASME	USA	Rod, Bar and Shape
SB-283 C64200	ASME	USA	Forging
4264	SAE	USA	Rod, Bar and Forging
4633	SAE	USA	Rod, Bar and Forging
4634	SAE	USA	Rod, Bar and Forging

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