

# Material: ASTM B150 UNS C62300

## 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		
Tin	Sn %	0.600 max.
Silicon	Si %	0.250 max.
Manganese	Mn %	0.500 max.
Ni + Cu	Ni% + Cu%	1.000 max.
Iron	Fe %	2.000 - 4.000
Aluminium	Al %	8.500 - 10.000
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C62300	ASTM	USA	Rod, Bar and Shapes
B150 C62300	ASTM	USA	Rod, Bar and Shapes
SB-150 C62300	ASME	USA	Rod, Bar and Shapes
SB-283 C62300	ASME	USA	Forging
4635	SAE	USA	Bars, Rods and Forgings
CA623	SAE	USA	Casting
87Cu-9Al-3Fe	SAE	USA	Bars, Rods and Forgings

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