

Material: ASTM B150 UNS C63000

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		
Zinc	Zn %	0.300 max.
Tin	Sn %	0.200 max.
Silicon	Si %	0.250 max.
Manganese	Mn %	1.500 max.
Ni + Cu	Ni% + Cu%	4.000 - 5.500
Iron	Fe %	2.000 - 4.000
Aluminium	Al %	9.000 - 11.000
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	275 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C63000	ASTM	USA	Rod, Bar and Shape
B171 C63000	ASTM	USA	Plate and Sheet
B283 C63000	ASTM	USA	Forging
SB-150 C63000	ASME	USA	Rod, Bar and Shape
SB-171 C63000	ASME	USA	Plate and Sheet
CA630	SAE	USA	Casting
CuAl10Ni5Fe4	ISO	International	Rod and Bar

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