

Material: ASTM B150 UNS C61300

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		
Phosphorus	P %	0.015 max.
Lead	Pb %	0.010 max.
Zinc	Zn %	0.100 max.
Tin	Sn %	0.200 - 0.500
Silicon	Si %	0.100 max.
Manganese	Mn %	0.200 max.
Ni + Cu	Ni% + Cu%	0.150 max.
Iron	Fe %	2.000 - 3.000
Aluminium	Al %	6.000 - 7.500
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	220 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B100 C61300	ASTM	USA	Plate and Sheet
B111 C61300	ASTM	USA	Tubes
B169 C61300	ASTM	USA	Sheet, Strip and Bar
B171 C61300	ASTM	USA	Plate and Sheet
F467 C61300	ASTM	USA	Bolts, Screws and Studs
SB-111 C61300	ASME	USA	Tubes
SB-150 C61300	ASME	USA	Rod, Bar and Shapes

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