

Material: ASME SB-150 C62300

Standard Specification for Aluminum Bronze Rod, Bar and Shapes

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-150 Aluminum Bronze Rod, 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		
Aluminium	Al %	8.500 - 10.000
Iron	Fe %	2.000 - 4.000
Manganese	Mn %	0.500 max.
Ni + Co	Ni% + Co%	1.000 max.
Silicon	Si %	0.250 max.
Tin	Sn %	0.600 max.
Cu + Ag	Cu% + Ag%	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	515 - 620
Yield Strength in Mpa	205 - 345
Elongation in %	12 - 20
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C62300	UNS	USA	Rod, Bar, Tube and Shapes
B124 C62300	ASTM	USA	Rod, Bar and Shapes
B150 C62300	ASTM	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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