

Material: SAE AMS 4635H 87Cu-9Al-3Fe

Standard Specification for Aluminum Bronze Bars, Rods and Forgings

Group: Non-Ferrous Copper Alloy

Sub Group: SAE AMS 4635H Aluminum Bronze Bars, Rods and Forgings

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

Belongs to the Industry: Bars, Rods and Forgings

Chemical Composition			Heat Treatment	
Aluminium	Al %	8.500 - 10.000	As Drawn or Stress Relieving or Hot Rolled	
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		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HB	155 - 190
			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-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

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