

Material: ASTM B150 C63020

Standard Specification for Alumium Bronze Rod, Bar and Shapes

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B150 Alumium 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			Heat Treatment	
Aluminium	Al %	10.000 - 11.000	Hardening and Tempering	
Cobalt	Co %	0.300 max.		
Chromium	Cr %	0.050 max.		
Iron	Fe %	4.000 - 5.500		
Manganese	Mn %	1.500 max.		
Ni + Co	Ni% + Co%	4.200 - 6.000		
Lead	Pb %	0.030 max.		
Tin	Sn %	0.250 max.		
Zinc	Zn %	0.300 max.		
Cu + Ag	Cu% + Ag%	74.500 min.		
-	-	-	Mechanical Properties Tensile Strength in Mpa 890 - 930 Yield Strength in Mpa 620 - 690 Elongation in % 6 min. Reduction of Area in % - Hardness in HRB 26 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C63020	UNS	USA	Rod, Bar, Tube and Shapes
SB-150 C63020	ASME	USA	Rod, Bar and Shape
4590	SAE	USA	Casting
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