



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-150 C63020

Standard Specification for Aluminium Bronze Rod, Bar and Shapes

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-150 Aluminium 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 %	0.200 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 -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C63020	UNS	USA	Rod, Bar, Tube and Shapes
B150 C63020	ASTM	USA	Rod, Bar and Shape
4590	SAE	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS