

Material: ASTM B107 AZ80A

Standard Specification for Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes and Wire

Group: Non-Ferrous Magnesium Alloy

Sub Group: ASTM B107/B107M Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes and Wire

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

Belongs to the Industry: Bar, Rod, Tube and Wire

Chemical Composition			Heat Treatment	
Aluminium	Al %	7.800 - 9.200	As-Cast or Solution Treated or Fully Treated	
Copper	Cu %	0.050 max.		
Iron	Fe %	0.005 max.		
Manganese	Mn %	0.120 - 0.500		
Nickel	Ni %	0.005 max.		
Other	Ot%	0.300 max.		
Silicon	Si %	0.100 max.		
Zinc	Zn %	0.200 - 0.800		
Magnesium	Mg %	Balance	Mechanical Properties Tensile Strength in Mpa 290 - 330 Yield Strength in Mpa 185 - 230 Elongation in % 2 - 9 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Mg-Al8Zn	ISO	International	Bar and Wire
MBD-AZ80	JIS	Japan	Bar and Wire
MS-AZ80	JIS	Japan	Shape
MWD-AZ80	JIS	Japan	Bar and Wire
B951 AZ80A	ASTM	USA	Bar and Wire
MB3	KS	Korea	Bar
MgAl8Zn	DIN	Germany	Bar and Wire

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