



Material - JIS H 4203 MBD-AZ80

Standard Specification for Magnesium Alloy Bars and Wires

Group - Non-Ferrous Magnesium Alloy

Sub Group - JIS H 4203 Magnesium Alloy Bars and Wires

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

Grade Belongs to the Industry - Bar 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 - 0.400		
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	185 - 230
-	-	-	Yield Strength in Mpa	290 - 330
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Mg-Al8Zn	ISO	International	Bar and Wire
MS-AZ80	JIS	Japan	Shape
MWD-AZ80	JIS	Japan	Bar and Wire
B107 AZ80A	ASTM	USA	Bar, Rod, Tube and Wire
B951 AZ80A	ASTM	USA	Bar and Wire
MB3	KS	Korea	Bar
MgAl8Zn	DIN	Germany	Bar and Wire

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

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