

Material: DIN 1729-1 MgAl8Zn

Standard Specification for Wrought Magnesium Alloys

Group: Non-Ferrous Magnesium Alloy

Sub Group: DIN 1729-1 Wrought Magnesium Alloys

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 - 0.300		
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 270 - 310 Yield Strength in Mpa 195 - 215 Elongation in % 6 - 10 Reduction of Area in % - Hardness in HB 60 - 65 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
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-	-	-		
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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
B107 AZ80A	ASTM	USA	Bar, Rod, Tube and Wire
B951 AZ80A	ASTM	USA	Bar and Wire
MB3	KS	Korea	Bar

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