

Material: ISO 121 Mg-Al6Zn3

Standard Specification for Magnesium-Aluminium-Zinc Alloy Casting

Group: Non-Ferrous Magnesium-Aluminium-Zinc Alloy

Sub Group: ISO 121 Magnesium-Aluminium-Zinc Alloy Casting

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

Belongs to the Industry: Bar and Wire

Chemical Composition			Heat Treatment	
Zinc	Zn %	2.000 - 3.500	As-Cast or Solution Treated	
Manganese	Mn %	0.100 - 0.500		
Silicon	Si %	0.300 max.		
Iron	Fe %	0.050 max.		
Copper	Cu %	0.200 max.		
Nickel	Ni %	0.010 max.		
Aluminium	Al %	5.000 - 7.000		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 160 min. Yield Strength in Mpa 75 min. Elongation in % 3 min. 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
MgAl6Zn3 Class 1	JIS	Japan	Casting
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