



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
MgAl6Zn3 Class 1	JIS	Japan	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