

# Material: JIS H 5203 MgAl8Zn1 Class 2A

## Standard Specification for Magnesium Alloy Casting

**Group:** Non-Ferrous Magnesium Alloy

**Sub Group:** JIS H 5203 Magnesium Alloy Casting

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

**Belongs to the Industry:** Casting

Chemical Composition		
Aluminium	Al %	7.000 - 9.500
Copper	Cu %	0.350 max.
Iron	Fe %	0.050 max.
Manganese	Mn %	0.150 max.
Nickel	Ni %	0.020 max.
Silicon	Si %	0.500 max.
Zinc	Zn %	0.300 - 2.000
Magnesium	Mg %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Solution Treated

Mechanical Properties	
Tensile Strength in Mpa	140 min.
Yield Strength in Mpa	75 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
MgAl8Zn1	ISO	International	Bar and Wire
MAG 7	BS	British	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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