

## 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			Heat Treatment	
Aluminium	Al %	7.000 - 9.500	As-Cast or Solution Treated	
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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 140 min. Yield Strength in Mpa 75 min. Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
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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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