



Material - ANSI/AA AS41B

Specification Standards for Die Castings

Group - Non-Ferrous Magnesium Alloy

Sub Group - ANSI/AA for Die Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.500 - 5.000	As-Cast	
Zinc	Zn %	0.120 max.		
Manganese	Mn %	0.350 - 0.700		
Silicon	Si %	0.500 - 1.500		
Iron	Fe %	0.0035 min.		
Copper	Cu %	0.020 max.		
Nickel	Ni %	0.002 max.		
Other	Ot%	0.020 max.		
Magnesium	Mg %	Balance	Mechanical Properties Tensile Strength in Mpa 225 min. Yield Strength in Mpa 140 min. Elongation in % 6 min. Reduction of Area in % - Hardness in BHN 75 min. Impact in Joule 4.1 min. @RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B93 AS41B	ASTM	USA	Ingot and Casting
B951 M10413	ASTM	USA	Casting
MD-AS41B	JIS	Japan	Casting
M10413	UNS	USA	Ingot and Casting
MD3B	JIS	Japan	Casting
MD3B	KS	Korea	Casting
MC21310	KS	Korea	Ingot and 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

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