



## Material - ASTM B240 AG40A

### Specification Standards for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings

Group - Non-Ferrous Zinc Alloy

Sub Group - ASTM B240 Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and 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 %	3.900 - 4.300	As-Cast or Aging	
Cadmium	Cd %	0.003 max.		
Copper	Cu %	0.100 max.		
Iron	Fe %	0.035 max.		
Magnesium	Mg %	0.030 - 0.060		
Lead	Pb %	0.004 max.		
Tin	Sn %	0.00015 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	285 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	82 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 2	ANSI/AA	USA	Casting
ZDC 2	JIS	Japan	Casting
ZDC 2	KS	Korea	Casting
B240 Zamak 3	ASTM	USA	Casting
GD-ZnAl4	DIN	Germany	Casting
ZL3	ISO	International	Casting
903	SAE	USA	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](mailto:marketing@gravitycastindia.com)**

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