



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - ASTM B 240 AG40A

### Standard Specification For Zinc and Zinc Alloy Castings

Group - Non-Ferrous Zinc Alloys

Sub Group - ASTM B 240 AG40A Zinc and Zinc Alloy Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.700 - 4.300	As-Cast	
Copper	Cu %	0.100 max.		
Magnesium	Mg %	0.030 - 0.060		
Lead	Pb %	0.004 max.		
Cadmium	Cd %	0.003 max.		
Tin	Sn %	0.0015 max.		
Iron	Fe %	0.035 max.		
Nickel	Ni %	0.020 max.		
Silicon	Si %	0.035 max.		
Zinc	Zn %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      280 min. Yield Strength in Mpa      200 min. Elongation in %      10 min. Reduction of Area in %      - Hardness in HB      83 min. Impact in Joule      57 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP3	DIN	Germany	Casting
Alloy A	BS	British	Casting
ZnAl4	UNE	Spain	Ingot and Casting
G-ZnAl4	UNI	Italy	Ingot
ZP0400	EN	European Union	Casting
ZP0400	DIN	Germany	Casting
ZP3	AFNOR NF	France	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)**

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.

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