



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

## Material - ANSI/AA ZA-8

### Specification Standards for Die Castings

Group - Non-Ferrous Zinc 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 %	8.000 - 8.800	As-Cast or Aging	
Magnesium	Mg %	0.010 - 0.030		
Copper	Cu %	0.800 - 1.300		
Iron	Fe %	0.075 max.		
Lead	Pb %	0.006 max.		
Cadmium	Cd %	0.006 max.		
Tin	Sn %	0.003 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	372 min.
-	-	-	Yield Strength in Mpa	283 - 296
-	-	-	Elongation in %	6 - 10
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 - 106
-	-	-	Impact in Joule	32 - 48

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B86 ZA-8	ASTM	USA	Casting
ZP8	ISO	International	Casting
ZP0810	ISO	International	Casting
Z35636	UNS	USA	Casting
Z35638	UNS	USA	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.

**ONE STOP SOLUTION FOR METAL PARTS**