



## Material - ASTM B86 ZA-8

**Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings**

**Group - Non-Ferrous Zinc Alloy**

**Sub Group - ASTM B86 Zinc and Zinc-Aluminum (ZA) Alloy 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 %	8.000 - 8.800	As-Cast or Aging	
Cadmium	Cd %	0.006 max.		
Chromium	Cr %	0.010 max.		
Copper	Cu %	0.800 - 1.300		
Iron	Fe %	0.075 max.		
Magnesium	Mg %	0.010 - 0.030		
Manganese	Mn %	0.010 max.		
Nickel	Ni %	0.010 max.		
Lead	Pb %	0.006 max.		
Tin	Sn %	0.003 max.		
Zinc	Zn %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      221 - 374 Yield Strength in Mpa      198 - 290 Elongation in %      1 - 10 Reduction of Area in %      - Hardness in HB      85 - 103 Impact in Joule      20 - 42 @RT	
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-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA-8	ANSI/AA	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)**

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