



## Material - UNS Z35638

### Standard Specification for Zinc-Aluminum ZA-8 Alloy Casting

Group - Non-Ferrous Zinc Alloy

Sub Group - UNS Zinc-Aluminum ZA-8 Alloy Casting

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.		
Copper	Cu %	0.800 - 1.300		
Iron	Fe %	0.075 max.		
Magnesium	Mg %	0.010 - 0.030		
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

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA-8	ANSI/AA	USA	Casting
B86 ZA-8	ASTM	USA	Casting
ZP8	ISO	International	Casting
ZP0810	ISO	International	Casting
Z35636	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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