

# 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		
Aluminium	Al %	8.000 - 8.800
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Aging

Mechanical Properties	
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
-	-	-	-
-	-	-	-

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