

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	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	
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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
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