

Material: ISO 15201 ZP12

Standard Specification for Zinc and Zinc Alloys - Castings

Group: Non-Ferrous Zinc Alloy

Sub Group: ISO 15201 Zinc and Zinc Alloys - Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	10.500 - 11.500	As-Cast or Aging	
Cadmium	Cd %	0.006 max.		
Copper	Cu %	0.500 - 1.200		
Iron	Fe %	0.075 max.		
Magnesium	Mg %	0.010 - 0.030		
Lead	Pb %	0.006 max.		
Tin	Sn %	0.003 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 400 min. Yield Strength in Mpa 300 min. Elongation in % 5 min. Reduction of Area in % - Hardness in HB 100 min. Impact in Joule 30 min. @RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA-12	ANSI/AA	USA	Casting
B86 ZA12	ASTM	USA	Casting
B240 ZA12	ASTM	USA	Ingot and Casting
ZP1110	ISO	International	Casting
Z35631	UNS	USA	Casting
Z35633	UNS	USA	Casting
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