

Material: DIN 2.2140

Standard Specification For Zinc and Zinc Alloy Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: DIN 2.2140 Zinc and Zinc Alloy Castings

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

Grade Belongs to the Industry: Ingot and Casting

Chemical Composition		
Aluminium	Al %	3.700 - 4.100
Copper	Cu %	0.030 max.
Magnesium	Mg %	0.030 - 0.060
Lead	Pb %	0.006 max.
Cadmium	Cd %	0.006 max.
Tin	Sn %	0.001 max.
Iron	Fe %	0.020 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	280 min.
Yield Strength in Mpa	200 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	83 min.
Impact in Joule	57 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP3	DIN	Germany	Casting
Alloy A	BS	British	Casting
ZnAl4	UNE	Spain	Ingot and Casting
G-ZnAl4	UNI	Italy	Ingot
ZP0400	EN	European Union	Casting
B 240 AG40A	ASTM	USA	Casting
ZP0400	DIN	Germany	Casting

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