

Material: DIN GD-ZnAl4

Standard Specification For Zinc Alloy Die Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: DIN GD-ZnAl4 Zinc Alloy 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 %	3.500 - 4.300	As-Cast	
Copper	Cu %	0.100 max.		
Magnesium	Mg %	0.020 - 0.060		
Lead	Pb %	0.009 max.		
Cadmium	Cd %	0.009 max.		
Tin	Sn %	0.002 max.		
Iron	Fe %	0.050 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	250 - 300
-	-	-	Yield Strength in Mpa	200 - 230
-	-	-	Elongation in %	3 - 6
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	70 - 90
-	-	-	Impact in Joule	-

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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