



Material - DIN GD-ZnAl4Cu1

Standard Specification For Zinc and Zinc Alloy Castings

Group - Non-Ferrous Zinc Alloys

Sub Group - DIN GB-ZnAl4Cu1 Zinc and Zinc Alloy 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 %	0.400 - 1.100		
Magnesium	Mg %	0.020 - 0.060		
Pb + Cd	Pb% + Cd%	0.009 max.		
Tin	Sn %	0.002 max.		
Iron	Fe %	0.050 max.		
Zinc	Zn %	Balance		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	280 - 350
-	-	-	Yield Strength in Mpa	220 - 250
-	-	-	Elongation in %	2 - 5
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	85 - 105
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP5	DIN	Germany	Casting
Alloy B	BS	British	Casting
G-ZnAl4Cu1	UNI	Italy	Ingot
ZnAl4Cu1	UNE	Spain	Ingot
ZnAl4Cu1	NS	Norway	Ingot
ZnAl4Cu1	SS	Sweden	Ingot
B 240 AC41A	ASTM	USA	Ingot and Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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