

# 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		
Aluminium	Al %	3.500 - 4.300
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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

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