



## Material - BS Alloy B

### Standard Specification For Zinc Alloy Die Castings

Group - Non-Ferrous Zinc Alloys

Sub Group - BS Alloy B 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 %	3.800 - 4.300	As-Cast	
Copper	Cu %	0.750 - 1.250		
Magnesium	Mg %	0.030 - 0.060		
Lead	Pb %	0.005 max.		
Cadmium	Cd %	0.005 max.		
Tin	Sn %	0.002 max.		
Iron	Fe %	0.100 max.		
Nickel	Ni %	0.020 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	330 min.
-	-	-	Yield Strength in Mpa	250 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	92 min.
-	-	-	Impact in Joule	58 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP5	DIN	Germany	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
2.2141	DIN	Germany	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](mailto:marketing@gravitycastindia.com)**

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