



## Material - DIN EN 12844 ZP0410 I ZP5

### Standard Specification For Zinc and Zinc Alloy Castings

Group - Non-Ferrous Zinc Alloys

Sub Group - DIN EN 12844 ZP0410 I ZP5 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 %	3.700 - 4.300	As-Cast	
Copper	Cu %	0.700 - 1.200		
Magnesium	Mg %	0.025 - 0.060		
Lead	Pb %	0.005 max.		
Cadmium	Cd %	0.005 max.		
Tin	Sn %	0.002 max.		
Iron	Fe %	0.050 max.		
Nickel	Ni %	0.020 max.		
Silicon	Si %	0.030 max.		
Zinc	Zn %	Balance		
-	-	-	<b>Mechanical Properties</b> 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	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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
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 +91846916029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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