

Material: DIN 2.2161.01

Standard Specification for Zinc and Zinc Alloy Die Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: DIN 2.2161.01 Zinc and 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 %	5.600 - 6.000	As-Cast	
Copper	Cu %	1.200 - 1.600		
Magnesium	Mg %	0.005 max.		
Pb + Cd	Pb% + Cd%	0.006 max.		
Tin	Sn %	0.001 max.		
Iron	Fe %	0.050 max.		
Zinc	Zn %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 180 - 230 Yield Strength in Mpa 150 - 180 Elongation in % 1 - 3 Reduction of Area in % - Hardness in HB 80 - 90 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP6	DIN	Germany	Casting
ZnAl6Cu1	UNE	Spain	Casting
2.2161	DIN	Germany	Ingot and Casting
2.2161.02	DIN	Germany	Casting
GB-ZnAl6Cu1	DIN	Germany	Ingot and Casting
GK-ZnAl6Cu1	DIN	Germany	Ingot and Casting
G-ZnAl6Cu1	DIN	Germany	Ingot and Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com