



Material - DIN 2.2161.02

Standard Specification for Zinc and Zinc Alloy Die Castings

Group - Non-Ferrous Zinc Alloys

Sub Group - DIN 2.2161.02 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%	0.009 max.				
Tin	Sn %	0.002 max.				
Iron	Fe %	0.075 max.				
Zinc	Zn %	Balance				
-	-	-				
-	-	-	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	220 - 260		
-	-	-	Yield Strength in Mpa	170 - 200		
-	-	-	Elongation in %	1.5 - 3		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HB	80 - 90		
-	-	-	Impact in Joule	-		

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
2.2161.01	DIN	Germany	Casting
GB-ZnAl6Cu1	DIN	Germany	Ingot and Casting
GK-ZnAl6Cu1	DIN	Germany	Ingot and Casting
G-ZnAl6Cu1	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

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