

# Material: DIN 2.2143.01

## Standard Specification For Zinc and Zinc Alloy Castings

**Group:** Non-Ferrous Zinc Alloys

**Sub Group:** DIN 2.2143.01 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 %	2.500 - 3.200
Magnesium	Mg %	0.030 - 0.060
Pb + Cd	Pb% + Cd%	0.009 max.
Tin	Sn %	0.002 max.
Iron	Fe %	0.075 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	220 - 260
Yield Strength in Mpa	170 - 200
Elongation in %	0.5 - 2
Reduction of Area in %	-
Hardness in HB	90 - 100
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP2	DIN	Germany	Casting
G-ZnAl4Cu3	UNI	Italy	Ingot
ZnAl4Cu3	UNE	Spain	Ingot
B 240 AC43A	ASTM	USA	Ingot and Casting
GB-ZnAl4Cu3	DIN	Germany	Ingot and Casting
GK-ZnAl4Cu3	DIN	Germany	Casting
2.2143	DIN	Germany	Casting

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