

# Material: ASTM B 240 ZA8

## Standard Specification For Zinc and Zinc Alloy Ingot and Die Castings

**Group:** Non-Ferrous Zinc Alloys

**Sub Group:** ASTM B 240 ZA8 Zinc and Zinc Alloy Ingot and 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 %	8.200 - 8.800	As-Cast	
Copper	Cu %	0.900 - 1.300		
Magnesium	Mg %	0.020 - 0.030		
Lead	Pb %	0.005 max.		
Cadmium	Cd %	0.005 max.		
Tin	Sn %	0.002 max.		
Iron	Fe %	0.035 max.		
Nickel	Ni %	0.010 max.		
Chromium	Cr %	0.010 max.		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	370 min.
-	-	-	Yield Strength in Mpa	220 min.
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 min.
-	-	-	Impact in Joule	40 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA8	DIN	Germany	Casting
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-	-	-	-
-	-	-	-
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