

# Material: ANSI/AA C85800

## Specification Standards for Die Castings

**Group:** Non-Ferrous Copper Alloy Sub

**Group:** ANSI/AA for Die Castings

**Application :** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	1.500 max.	As-Cast	
Lead	Pb %	1.500 max.		
Zinc	Zn %	31.000 - 41.000		
Iron	Fe %	0.500 max.		
Aluminium	Al %	0.550 max.		
Manganese	Mn %	0.250 max.		
Antimony	Sb %	0.050 max.		
Nickel	Ni %	0.500 max.		
Sulphur	S %	0.050 max.		
Phosphorus	P %	0.010 max.		
Silicon	Si %	0.250 max.		
Arsenic	As %	0.050 max.		
Other	Ot%	1.000 max.		
Copper	Cu %	57.000 min.		
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			Mechanical Properties	
			Tensile Strength in Mpa	379 min.
			Yield Strength in Mpa	207 min
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	55 min.
			Impact in Joule	54 min.

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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