

# Material: ANSI/AA C86500

## 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 %	1.000 max.	As-Cast	
Lead	Pb %	0.400 max.		
Zinc	Zn %	36.000 - 42.000		
Iron	Fe %	0.400 - 2.000		
Aluminium	Al %	0.500 - 1.500		
Manganese	Mn %	0.100 - 1.500		
Nickel	Ni %	1.000 max.		
Other	Ot%	1.000 max.		
Copper	Cu %	55.000 - 60.000		
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			Mechanical Properties	
			Tensile Strength in Mpa	489 min.
			Yield Strength in Mpa	193 min
			Elongation in %	30 min.
			Reduction of Area in %	-
			Hardness in BHN	100 min.
			Impact in Joule	43 min.

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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