

Material: ANSI/AA C87800

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 %	0.250 max.	As-Cast	
Lead	Pb %	0.090 max.		
Zinc	Zn %	12.000 - 16.000		
Iron	Fe %	0.150 max.		
Aluminium	Al %	0.150 max.		
Manganese	Mn %	0.150 max.		
Antimony	Sb %	0.050 max.		
Nickel	Ni %	0.200 max.		
Sulphur	S %	0.050 max.		
Phosphorus	P %	0.010 max.		
Silicon	Si %	3.800 - 4.200 max.	Mechanical Properties	
Arsenic	As %	0.050 max.	Tensile Strength in Mpa	586 min.
Magnesium	Mg %	0.010 max.	Yield Strength in Mpa	334 min.
Other	Ot%	1.000 max.	Elongation in %	25 min.
Copper	Cu %	Balance	Reduction of Area in %	-
			Hardness in BHN	85 min.
			Impact in Joule	95 min.

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India



ICAST ALLOYS LLP
INVESTMENT CASTING COMPANY

ICAST ALLOYS LLP



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India