



## Material - ANSI AA 390.0

### Standard Specification for Aluminium and Aluminium Alloys Ingot and Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - ANSI AA 390.0 Aluminium and Aluminium Alloys Ingot and Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.000 - 5.000	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.450 - 0.656		
Manganese	Mn %	0.100 max.		
Silicon	Si %	16.000 - 18.000		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.200 max.		
Aluminium	Al %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	150 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRB	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM30	BS	British	Ingot and Casting
ADC 14	JIS	Japan	Casting
AC-48100	EN	European Union	Casting
EN AC-48100	DIN	Germany	Casting
AlSi17Cu4Mg	ISO	International	Casting
ALDC 14	JIS	Japan	Casting
EN AC-48100	UNE	Spain	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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