



## Material - AS 1874 CC401

### Standard Specification for Aluminium and Aluminium Alloys - Ingots and Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - AS 1874 Aluminium and Aluminium Alloys - Ingots and Castings

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 %	0.100 max.	As-Cast	
Iron	Fe %	0.400 max.		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	0.050 max.		
Nickel	Ni %	0.050 max.		
Silicon	Si %	12.000 - 13.000		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	160 - 190
			Yield Strength in Mpa	55 - 69
			Elongation in %	5 - 7
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BS401	AS	Australia	Ingot and Casting
CA401	AS	Australia	Ingot and Casting
CB401	AS	Australia	Ingot and Casting
LM6	BS	British	Ingot and Casting
B413.0	AA	USA	Casting
4600	IS	India	Ingot and Casting
ADC 2	JIS	Japan	Ingot and 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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