

# Material: AS 1874 401

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

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** AS 1874 401 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 %	0.600 max.	As-Cast	
Magnesium	Mg %	0.250 max.		
Silicon	Si %	10.000/13.000		
Iron	Fe %	1.000 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	0.100 max.		
Nickel	Ni %	0.500 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.400 max.		
Lead	Pb %	0.150 max.		
Tin	Sn %	0.150 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa 190 min. Yield Strength in Mpa - Elongation in % 5 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	0		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
DA401	AS	Australia	Ingot and Casting
A413.0	AA	USA	Ingot and Casting
AlSi12 (Fe)	ISO	International	Casting
ADC12	JIS	Japan	Casting
LM20	BS	British	Ingot and Casting
A413.0	NBR	Brazil	Ingot and Casting
A413.0	NMX	Mexico	Ingot and Casting

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