

# Material: AS 1874 303

## Standard Specification for Aluminium and Aluminium Alloy - Ingot and Castings

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** AS 1874 Aluminium and Aluminium Alloy - Ingot 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 %	2.000 - 4.000	As-Cast	
Iron	Fe %	0.800 max.		
Fe + Mn	Fe% + Mn%	1.300 max.		
Magnesium	Mg %	0.150 max.		
Manganese	Mn %	0.700 max.		
Nickel	Ni %	0.300 max.		
Lead	Pb %	0.150 max.		
Silicon	Si %	4.000 - 5.000		
Tin	Sn %	0.150 max.		
Zinc	Zn %	0.500 max.		
Chromium	Cr %	0.100 max.	Mechanical Properties	
Titanium	Ti %	0.200 min.	Tensile Strength in Mpa	135 - 275
Other	Ot%	0.200 max.	Yield Strength in Mpa	-
Aluminium	Al %	Balance	Elongation in %	1.5 - 2
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AA303	AS	Australia	Ingot and Casting
AA339	AS	Australia	Ingot and Casting
LM4	BS	British	Ingot and Casting
4223	IS	India	Ingot and Casting
L-2610	UNE	Spain	Ingot and Casting
-	-	-	-
-	-	-	-

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