

Material: JIS H 5320 ADC 2

Standard Specification for Aluminium and Aluminium Alloys - Ingots and Castings

Group: Non-Ferrous Aluminium Alloy

Sub Group: JIS H 5320 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 %	1.300 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.100 max.		
Lead	Pb %	0.100 max.		
Silicon	Si %	11.000 - 13.500		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.020 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
CC401	AS	Australia	Ingot and Casting
B413.0	AA	USA	Casting
4600	IS	India	Ingot and Casting
LM6	BS	British	Ingot and Casting

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