



Material - ANSI/AA 319.0

Standard Specification for Aluminium and Aluminium Alloys - Ingots and Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - ANSI/AA 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 %	3.000 - 4.000	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Silicon	Si %	5.500 - 6.500		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	150 - 260
-	-	-	Yield Strength in Mpa	90 - 240
-	-	-	Elongation in %	0.5 - 2
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	55 - 105
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ADC 8	JIS	Japan	Casting
CA327	AS	Australia	Ingot and Casting
LM21	BS	British	Casting
308.0	AA	USA	Ingot and Casting
B 108 308.0	ASTM	USA	Casting
SB-108 308.0	ASME	USA	Casting
A03080	UNS	USA	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

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