



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-108 308.0

Standard Specification for Boiler and Pressure Vessel for General Engineering Purpose

Group - Non-Ferrous Aluminium Alloy

Sub Group - ASME Boiler and Pressure Vessel for General Engineering Purpose

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.000 - 5.000	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Silicon	Si %	5.000 - 6.000		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		165 min.		
Yield Strength in Mpa		-		
Elongation in %		-		
Reduction of Area in %		-		
Hardness in HB		70 min.		
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
319.0	AA	USA	Ingot and Casting
308.0	AA	USA	Ingot and Casting
B 108 308.0	ASTM	USA	Casting
LM21	BS	British	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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ONE STOP SOLUTION FOR METAL PARTS