

# 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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      165 min. Yield Strength in Mpa      - Elongation in %      - Reduction of Area in %      - Hardness in HB      70 min. Impact in Joule      -	
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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

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