



## Material - ASME SB-108 443.0

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 %	0.600 max.	As-Cast	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	0.250 max.		
Silicon	Si %	4.500 - 6.000		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.500 max.		
Other	Ot%	0.350 max.		
Aluminium	Al %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      145 min. Yield Strength in Mpa      49 min. Elongation in %      2 min. Reduction of Area in %      - Hardness in HB      45 min. Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B179 443.1	ASTM	USA	Casting
B275 443.1	ASTM	USA	Casting
A04431	UNS	USA	Casting
A04430	UNS	USA	Casting
43	AA	USA	Casting
A413.0	NBR	Brazil	Casting
A413.0	NMX	Maxico	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](mailto:marketing@gravitycastindia.com)**

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