



Material - ASME SA 660 Grade WCB

**Standard Specification for Carbon Steel Pipe Made by The Centrifugal Casting Process
Intended for Use in High-Temperature, High-Pressure Service**

Group - Ferrous Mild Steel Alloys

**Sub Group - ASME SA 660 Grade WCB Carbon Steel Pipe Made by The Centrifugal Casting Process Intended for Use
in High-Temperature, High-Pressure Service**

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

Grade Belongs to the Industry - Centrifugal Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 483 min. Yield Strength in Mpa 248 min. Elongation in % 22 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A757 A 1 Q	ASTM	USA	Casting
J03002	UNS	USA	Casting
1.0619	DIN	Germany	Casting
1.0619	EN	European Union	Casting
A 660 WCB	ASTM	USA	Fusion Welding, Bending and Forming
SA 216 WCB	ASME	USA	Casting
A216 WCB	ASTM	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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