



Material - ASME SA 216 WCB

Standard Specification for Carbon Steel Castings Suitable for Fusion for High Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASME SA 216 WCB Carbon Steel Castings Suitable for Fusion for High Temperature Service

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	Normalising or Annealing or Hardening + Tempering/T >= 595 C	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.500 max.		
Nickel	Ni %	0.500 max.		
Molybdenum	Mo %	0.200 max.		
Vanadium	V %	0.300 max.		
Copper	Cu %	0.500 max. Cu, Ni, Cr, Mo		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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-660 WCB	ASME	USA	Centrifugal 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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