



Material - ASTM A 216 Grade WCB

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 216 Grade WCB Steel Castings, Carbon, 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.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.500 max.		
Molybdenum	Mo %	0.200 max.		
Nickel	Ni %	0.500 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 max.		
Other	Ot %	1.000 max.	Mechanical Properties Tensile Strength in Mpa 485 - 655 Yield Strength in Mpa 250 min. Elongation in % 22 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
Niobium	Nb %	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GP240GH	BS	British	Plate, Tubes and Forging
A 420 C-M	AFNOR NF	France	Pump, Valve and Fitting
A 420 M	AFNOR NF	France	Pump, Valve and Fitting
Ao 17 CrMoV	MSZ	Hungary	Plate, Tubes and Forging
SCPH 1	JIS	Japan	Plate, Tubes and Forging
GP 240 GH	UNE	Spain	Plate, Tubes and Forging
1.0619	EN	European Union	Plate, Tubes and Forging

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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