

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

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