

Material: BS EN 10213 GP240GH

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS EN 10213 GP240GH Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry: Plate, Tubes and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.180 - 0.230	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 1.200		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.120 max.		
Nickel	Ni %	0.400 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 240 min. Yield Strength in Mpa 210 min. Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule 27 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 216 Grade WCB	ASTM	USA	Casting
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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