



Material - UNE GP 280 GH

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - UNE GP 280 GH 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 - 0.250		
Silicon	Si %	0.600 max.	Normalizing or Quenching or Solution Annealing	
Manganese	Mn %	0.800 - 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.	Mechanical Properties	
Vanadium	V %	0.030 max.	Tensile Strength in Mpa	480 - 640
Iron	Fe %	Balance	Yield Strength in Mpa	280 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-		Impac <mark>t in Joule</mark>	27 J @ RT

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
EN 10213 GP280GH	BS	British	Plate, Tubes and Forging	
SCPH 2	JIS	Japan	Plate, Tubes and Forging	
SCPL 1	JIS	Japan	Plate, Tubes and Forging	
A 216 Grade WCC	ASTM	USA	Casting	
GP 280 GH	DIN	Germany	Plate, Tubes and Forging	
GP 280 GH	MSZ	Hungary	Plate, Tubes and Forging	
GP 280 GH	UNI	Italy	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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