



Material - MSZ Ao 17 CrMoV

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - MSZ Ao 17 CrMoV 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 %	0.140 - 0.200	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.300 - 0.600		
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	1.200 - 1.700		
Molybdenum	Mo %	0.900 - 1.200		
Nickel	Ni %	0.400 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.200 - 0.400		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 640 - 750 Yield Strength in Mpa 440 min. Elongation in % 15 min. Reduction of Area in % 30 min. Hardness in HB - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GP240GH	BS	British	Plate, Tubes and Forging
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
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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