



Material - BS 10216-2 EN 1.7383

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS 10216-2 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel and Tube

Chemical Composition			Heat Treatment			
Carbon	C %	0.080 - 0.150	Quenching + Tempering			
Silicon	Si %	0.500 max.				
Manganese	Mn %	0.400 - 0.800				
Phosphorus	P %	0.025 max.				
Sulphur	S %	0.020 max.				
Chromium	Cr %	2.000 - 2.500				
Nickel	Ni %	0.300 max.				
Molybdenum	Mo %	0.900 - 1.100				
Aluminium	Al %	0.040 max.				
Copper	Cu %	0.300 max.				
Iron	Fe %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	540 - 680		
-	-	-	Yield Strength in Mpa	355 min.		
-	-	-	Elongation in %	18 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	27 min. @ RT		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7383	DIN	Germany	Steel and Flat
1.7383	EN	European Union	Steel and Flat
11 CrMo 9-10	AFNOR NF	France	Steel and Flat
11 CrMo 9-10	BS	British	Steel and Flat
11 CrMo 9-10	ISO	International	Steel and Tube
11 CrMo 9-10	UNI	Italy	Steel and Flat
11 CrMo 9-10	DIN	Germany	Steel and Flat

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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