



## Material - DIN 1.7383

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - DIN 1.7383 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel and Flat

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 %	0.030 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	2.000 - 2.500		
Molybdenum	Mo %	0.900 - 1.100		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	450 - 680
-	-	-	Yield Strength in Mpa	265 min.
-	-	-	Elongation in %	17 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-2	BS	British	Steel and Flat
1.7383	EN	European Union	Steel and Flat
11CrMo9-10	AFNOR NF	France	Steel and Flat
11CrMo9-10	BS	British	Steel and Flat
11CrMo9-10	ISO	International	Steel and Tube
11CrMo9-10	UNI	Italy	Steel and Flat
11CrMo9-10	DIN	Germany	Steel and Flat

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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