



## Material - DIN 1.7218

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

Group - Ferrous Mild Steel Alloys

Sub Group - DIN 1.7218 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 %	0.220 - 0.290	Quenching + Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.900 - 1.200		
Molybdenum	Mo %	0.150 - 0.300		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	539.4 - 1400
-	-	-	Yield Strength in Mpa	300 - 440
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	50 min.
-	-	-	Hardness in HB	160 - 270
-	-	-	Impact in Joule	22 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-2	BS	British	Steel and Tube
1.7218	EN	European Union	Steel and Tube
25 CrMo 4	AFNOR NF	France	Steel and Flat
25 CrMo 4	BS	British	Steel
25 CrMo 4	DIN	Germany	Steel
25 CrMo 4	ISO	International	Steel and Tube
25 CrMo 4	UNI	Italy	Steel and Tube

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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