



## Material - BS 10216-2 EN 1.7218

### 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 %	0.220 - 0.290	Quenching + Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.900 - 1.200		
Nickel	Ni %	0.300 max.		
Molybdenum	Mo %	0.150 - 0.300		
Aluminium	Al %	0.040 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      540 - 690 Yield Strength in Mpa      345 min. Elongation in %      15 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      27 min. @ RT	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7218	DIN	Germany	Steel and Tube
1.7218	DIN	Germany	Steel and Tube
25CrMo4	AFNOR NF	France	Steel and Tube
25CrMo4	BS	British	Steel
25CrMo4	DIN	Germany	Steel
25CrMo4	ISO	International	Steel
25CrMo4	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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