



Material - ISO 25 CrMo 4

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - ISO 25 CrMo 4 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.220 - 0.290	Quenching + Tempering	
Silicon	Si %	0.100 - 0.400		
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		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	560 min.
-	-	-	Yield Strength in Mpa	400 min.
-	-	-	Elongation in %	9 min.
-	-	-	Reduction of Area in %	50 min.
-	-	-	Hardness in HB	270 max.
-	-	-	Impact in Joule	30 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
1.7218	DIN	Germany	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	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.