

## 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

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India