

# Material: AFNOR NF 25 CrMo 4

## Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** AFNOR NF 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 and Flat

Chemical Composition		
Carbon	C %	0.220 - 0.290
Silicon	Si %	0.400 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	0.900 - 1.200
Molybdenum	Mo %	0.150 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	540 - 1400
Yield Strength in Mpa	345 - 440
Elongation in %	4 min.
Reduction of Area in %	50 min.
Hardness in HB	197 - 331
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
1.7218	DIN	Germany	Steel and Tube
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

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