



## Material - BS 10216-5 EN X 2 CrNiMoN 25 7 4

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

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 10216-5 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	6.000 - 8.000		
Molybdenum	Mo %	3.000 - 4.500		
Nitrogen	N %	0.200 - 0.350		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      800 - 1000 Yield Strength in Mpa      550 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      40 min. @ -40°C	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.441	BS	British	Steel, Sheet, Plate and Strip
1.441	BS	British	Steel, Sheet, Plate and Strip
1.441	DIN	Germany	Steel, Sheet, Plate and Strip
X2CrNiMoN25-7-4	AFNOR NF	France	Steel
X2CrNiMoN25-7-4	DIN	Germany	Steel, Sheet, Strip and Plate
X2CrNiMoN25-7-4	UNI	Italy	Steel, Bar and Rod
S32750	UNS	USA	Steel

**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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