

Material: BS 10216-5 EN 1.4410

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: Tube

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		
-	-	-	Mechanical Properties 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	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.441	EN	European Union	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
X2CrNiMoN25 7 4	EN	European Union	Steel and Forging
S32750	UNS	USA	Steel

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com