

Material: BS 10216-5 EN X 2 CrNiMoCuWN 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 Tube

Chemical Composition			Heat Treatment			
Carbon	C %	0.030 max.	Solution Annealing			
Silicon	Si %	1.000 max.				
Manganese	Mn %	1.000 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 - 4.000				
Nitrogen	N %	0.200 - 0.300				
Copper	Cu %	0.500 - 1.000				
Tungsten	W %	0.500 - 1.000				
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
1.4501	EN	European Union	Tube
1.4501	BS	British	Steel, Sheet, Plate and Strip
1.4501	DIN	Germany	Steel, Sheet, Plate and Strip
X2CrNiMoCuWN25-7-4	AFNOR NF	France	Steel
X2CrNiMoCuWN25-7-4	DIN	Germany	Steel, Sheet, Strip and Plate
X2CrNiMoCuWN25-7-4	UNI	Italy	Steel, Bar and Rod
-	-	#N/A	-

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