

## Material: AFNOR NF X1CrNi25-21

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** AFNOR NF X1CrNi25-21 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 %	0.020 max.	Solution Annealing	
Silicon	Si %	0.250 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	24.000 - 26.000		
Molybdenum	Mo %	0.200 max.		
Nickel	Ni %	20.000 - 22.000		
Nitrogen	N %	0.110 max.		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 470 - 2100 Yield Strength in Mpa 180 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN 220 max. Impact in Joule 60 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4335	EN	European Union	Tube
1.4335	DIN	Germany	Steel
1.4335	DIN	Germany	Steel
X1CrNi25 21	DIN	Germany	Steel, Rolling and Forging
X1CrNi25 21	UNI	Italy	Steel, Sheet, Strip and Plate
X1CrNi25-20	AFNOR NF	France	Steel and Tube
Z1CN25-20	AFNOR NF	France	Steel and Tube

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