

## Material: AFNOR NF X2CrNi23-4

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** AFNOR NF X2CrNi23-4 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 %	0.030 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 %	22.000 - 24.000		
Molybdenum	Mo %	0.100 - 0.600		
Nickel	Ni %	3.500 - 5.500		
Copper	Cu %	0.100 - 0.600		
Nitrogen	N %	0.050 - 0.200		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa 600 - 2100 Yield Strength in Mpa 385 min. Elongation in % 20 min. Reduction of Area in % - Hardness in HB 290 max. Impact in Joule 60 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4362	BS	British	Tube
1.4362	EN	European Union	Steel, Bar and Rod
1.4362	DIN	Germany	Steel, Bar and Rod
X2CrNi23 4	EN	European Union	Steel, Bar and Rod
X2CrNi23 4	DIN	Germany	Steel, Bar and Rod
X2CrNi23 4	ISO	International	Steel, Bar, Rolling and Forging
X2CrNi23-4	UNI	Italy	Steel, Sheet, Plate and Strip

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