



Material - AFNOR NF X2CrNiMoN17-13-3

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - AFNOR NF X2CrNiMoN17-13-3 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel, Bar and Rods

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	16.500 - 18.500		
Molybdenum	Mo %	2.500 - 3.000		
Nickel	Ni %	11.000 - 14.000		
Nitrogen	N %	0.120 - 0.220		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 580 - 940 Yield Strength in Mpa 280 min. Elongation in % 30 min. Reduction of Area in % 55 min. Hardness in HB 250 max. Impact in Joule -	
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4429	EN	European Union	Tube
1.4429	DIN	Germany	Steel
10216-5	BS	British	Steel
X2CrNiMoN17 13 3	DIN	Germany	Steel
X2CrNiMoN17 13 3	UNE	Spain	Steel, Bar, Wire, Rod and Forging
X2CrNiMoN17 13 3E	ISO	International	Steel
X2CrNiMoN17 13 3KKW	ONORM	Australia	Steel and Plate

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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