

Material: DIN X 6 CrNiMoTi 17 12 2

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN X 6 CrNiMoTi 17 12 2 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 %	0.080 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	16.500 - 18.500		
Molybdenum	Mo %	2.000 - 2.500		
Nickel	Ni %	10.500 - 13.500		
Titanium	Ti %	0.700 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	490 - 2100
-	-	-	Yield Strength in Mpa	190 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	60 min.
-	-	-	Hardness in BHN	215 max.
-	-	-	Impact in Joule	60 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4571	EN	European Union	Tube
1.4571	DIN	Germany	Steel
1.4571	DIN	Germany	Steel
X6CrNiMoTi17-12-2	AFNOR NF	France	Steel, Bar and Rod
320 S 18	BS	British	Wire
10Ch17N13M2T	GOST	Russia	Steel
X6CrNiMoTi17 12	UNI	Italy	Steel, Sheet, Plate and Strip and Coil

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