

Material: GOST 10Ch17N13M2T

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: GOST 10Ch17N13M2T 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 %	0.100 max.	Solution Annealing	
Silicon	Si %	0.800 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	16.000 - 18.000		
Molybdenum	Mo %	2.000 - 3.000		
Nickel	Ni %	12.000 - 14.000		
Tungsten	W %	0.200 max.		
Titanium	Ti %	0.700 max.		
			Mechanical Properties	
Copper	Cu %	0.300 max.	Tensile Strength in Mpa	510 min.
Iron	Fe %	Balance	Yield Strength in Mpa	196 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

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

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