



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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.		
Copper	Cu %	0.300 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	510 min.
-	-	-	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
1.4571	DIN	Germany	Steel
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

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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