



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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	
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-	-	-		
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-	-	-		
-	-	-		
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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

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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