

Material: DIN X 6 CrNiMoNb 17 12 2

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN X 6 CrNiMoNb 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, Sheet, Plate and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	16.500 - 18.500		
Molybdenum	Mo %	2.000 - 2.500		
Nickel	Ni %	10.500 - 13.500		
Niobium	Nb %	1.000 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	510 - 740
-	-	-	Yield Strength in Mpa	215 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	230 max.
-	-	-	Impact in Joule	55 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4580	EN	European Union	Tube
1.458	DIN	Germany	Steel, Sheet, Plate and Strip
10216-5	BS	British	Steel, Sheet, Plate and Strip
X6CrNiMoNb17 12 2	UNE	Spain	Steel, Bar, Wire, Rod and Forging
X6CrNiMoNb17 12 2 KKW	ONORM	Australia	Steel
X6CrNiMoNb17-12-2	AFNOR NF	France	Steel, Bar and Rods
318 S 17	BS	British	Steel and Wire

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