

## Material: EN 1.4547

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** EN 1.4547 Seamless Steel Tubes for Pressure Purposes

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Steel, Bar and Rods

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	19.500 - 20.500		
Molybdenum	Mo %	6.000 - 7.000		
Nickel	Ni %	17.500 - 18.500		
Copper	Cu %	0.500 - 1.000		
Nitrogen	N %	0.180 - 0.250		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      500 - 2100 Yield Strength in Mpa      300 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      260 max. Impact in Joule      60 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
0216-5 EN 1.4547	BS	British	Tube
1.4547	DIN	Germany	Steel, Bar and Rod
X1CrNiMoCuN20-18-7	AFNOR NF	France	Steel, Bar and Rod
X1CrNiMoCuN20-18-7	UNI	Italy	Steel, Sheet, Strip and Plate
X1CrNiMoCuN20-18-7	DIN	Germany	Steel, Sheet, Strip and Plate
-	-	-	-
-	-	-	-

**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](mailto:info@icastllp.com)