

Material: DIN 1.4563

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4563 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Sheet, Plate and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	26.000 - 28.000		
Molybdenum	Mo %	3.000 - 4.000		
Nickel	Ni %	30.000 - 32.000		
Copper	Cu %	0.700 - 1.500		
Nitrogen	N %	0.110 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 500 - 2100 Yield Strength in Mpa 215 min. Elongation in % 20 min. Reduction of Area in % - Hardness in HB 230 max. Impact in Joule 60 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4563	BS	British	Tube
1.4563	EN	European Union	Steel, Plate and Strip
X1NiCrMoCu31-27-4	UNI	Italy	Steel, Plate and Strip
X1NiCrMoCu31-27-4	AFNOR NF	France	Steel
X1NiCrMoCu31-27-4	DIN	Germany	Steel, Bar and Rod
X1NiCrMoCu31 27 4	ISO	International	Steel, Bar and Rod
Z2NCDU31-27	AFNOR NF	France	Steel

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