

Material: AFNOR NF Z 2 NCDU 31-27

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF Z 2 NCDU 31-27 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 %	0.020 max.	Solution Annealing	
Silicon	Si %	0.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.025 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		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 490 - 690 Yield Strength in Mpa 210 min. Elongation in % 35 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 J @ RT	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4563	BS	British	Tube
1.4563	DIN	Germany	Steel, Plate and Strip
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

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