

Material: AFNOR NF Z 1 CN 25-20

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF Z 1 CN 25-20 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel and Tube

Chemical Composition		
Carbon	C %	0.015 max.
Silicon	Si %	0.400 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	24.000 - 26.000
Molybdenum	Mo %	0.500 max.
Nickel	Ni %	19.000 - 22.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	

Mechanical Properties	
Tensile Strength in Mpa	480 - 740
Yield Strength in Mpa	205 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	60 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4335	EN	European Union	Tube
1.4335	DIN	Germany	Steel
1.4335	DIN	Germany	Steel
X1CrNi25 21	DIN	Germany	Steel, Rolling and Forging
X1CrNi25 21	UNI	Italy	Steel, Sheet, Strip and Plate
X1CrNi25 21	AFNOR NF	France	Steel
X1CrNi25-20	AFNOR NF	France	Steel and Tube

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