

Material: AFNOR NF TU Z 1 NCDU 25 20 04

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF TU Z 1 NCDU 25 20 04 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry: Steel and Tube

Chemical Composition		
Carbon	C %	0.020 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	19.000 - 22.000
Molybdenum	Mo %	4.000 - 5.000
Nickel	Ni %	24.000 - 27.000
Copper	Cu %	1.000 - 2.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	
Mechanical Properties	
Tensile Strength in Mpa	550 - 700
Yield Strength in Mpa	230 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS N08904	ASTM	USA	Steel, Plate, Sheet and Strip
SUS 890L	JIS	Japan	Steel, Plate, Sheet and Strip
X1NiCrMoCu25 20 5	EN	European Union	Forging
X1NiCrMoCu25-20-5	UNI	Italy	Steel, Plate, Sheet and Strip
X1NiCrMoCu25 20 5	DIN	Germany	Rolling and Forging
STS 890L	KS	Korea	Steel, Plate, Sheet and Strip
2CuMoCrNi 250	STAS	Romania	Steel

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