

# 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			Heat Treatment	
Carbon	C %	0.020 max.	Solution Annealing	
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		
-	-	-	<b>Mechanical Properties</b> 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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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)