

Material: UNS S31266

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: UNS 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

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 - 4.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	23.000 - 25.000		
Nickel	Ni %	21.000 - 24.000		
Molybdenum	Mo %	5.200 - 6.200		
Nitrogen	N %	0.350 - 0.600		
Copper	Cu %	1.000 - 2.500		
Tungsten	W %	1.500 - 2.500	Mechanical Properties Tensile Strength in Mpa 750 min. Yield Strength in Mpa 420 min. Elongation in % 35 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S31266	ASTM	USA	Steel, Plate, Sheet and Strip
A358 S31266	ASTM	USA	Steel and Pipe
A959 S31266	ASTM	USA	Steel
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