

Material: ASTM A 959 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: ASTM A 959 S31266 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		
Carbon	C %	0.030 max.
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
Molybdenum	Mo %	5.200 - 6.200
Nickel	Ni %	21.000 - 24.000
Tungsten	W %	1.500 - 2.500
Copper	Cu %	1.000 - 2.500
Nitrogen	N %	0.350 - 0.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

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	-

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

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