

Material: ASTM A240 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: ASTM A240 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, Plate, Sheet and Strip

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	
Iron	Fe %	Balance	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
S31266	UNS	USA	Steel
A358 S31266	ASTM	USA	Steel and Pipe
A959 S31266	ASTM	USA	Steel
A182 F 58	ASTM	USA	Steel
A249 S31266	ASTM	USA	Steel
A269 S31266	ASTM	USA	Steel
A276 S31266	ASTM	USA	Steel

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