

Material: ASTM A240 UNS S30940

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 %	0.080 max.	Solution Annealing	
Silicon	Si %	0.750 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	22.000 - 24.000		
Nickel	Ni %	12.000 - 16.000		
Niobium	Nb %	10*C - 1.100 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	515 min.
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	217 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
309 Cb	SAE	USA	Steel
A276 309Cb	ASTM	USA	Steel, Bar and Shape
A314 309Cb	ASTM	USA	Steel, Bar, Rolling and Forging
A358 309Cb	ASTM	USA	Steel and Pipe
A479 309Cb	ASTM	USA	Steel and Bar
A213 TP309Cb	ASTM	USA	Steel and Tube
A249 TP 309Cb	ASTM	USA	Steel and Tube

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