

# Material: ASTM A 479 310Cb

## 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 479 310Cb 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 Bar

Chemical Composition		
Carbon	C %	0.250 max.
Silicon	Si %	1.500 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	19.000 - 22.000
Niobium	Nb %	1.100 max.
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S31040	ASTM	USA	Steel, Plate, Sheet and Strip
310 Cb	SAE	USA	Steel
A213 TP 310Cb	ASTM	USA	Steel and Tube
A249 TP 310Cb	ASTM	USA	Steel and Tube
A276 310Cb	ASTM	USA	Steel, Bar and Shapes
A358 310Cb	ASTM	USA	Steel and Pipe
A959 Type 310Cb	ASTM	USA	Steel

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