

## Material: ASTM A240 UNS S30403

### 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 %	0.750 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	8.000 - 12.000		
Nitrogen	N %	0.100 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	170 min.
			Elongation in %	40 min.
			Reduction of Area in %	-
			Hardness in HB	201 max.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CF3	ASTM	USA	Casting
304L	AISI	USA	Bar, Wire, Strip, Plate, Sheet and Forging
1.4306	DIN	Germany	Cold Rolled, Strips, Slit Coils and Sheets
1.4307	EN	European Union	Rod, Bars, Wire and Forging
304 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 304L	JIS	Japan	Hot Rolled Equal Leg Angles
04CH18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging

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