

# Material: ASTM A 959 S30615

## 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 S30615 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 %	0.160 - 0.240
Silicon	Si %	3.200 - 4.000
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.000 - 19.500
Nickel	Ni %	13.500 - 16.000
Aluminium	Al %	0.800 - 1.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	275 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S30615	ASTM	USA	Steel, Plate, Sheet and Strip
S30615	UNS	USA	Steel
A213 S30615	ASTM	USA	Steel and Tube
A249 S30615	ASTM	USA	Steel and Tube
A312 S30615	ASTM	USA	Steel and Pipe
SA-249 UNS S30615	ASME	USA	Steel and Tube
SA-312 UNS S30615	ASME	USA	Steel and Pipe

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