

Material: ASTM A358 N08810

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 A358 N08810 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 Pipe

Chemical Composition		
Carbon	C %	0.050 - 0.100
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	19.000 - 23.000
Nickel	Ni %	30.000 - 35.000
Titanium	Ti %	0.150 - 0.600
Aluminium	Al %	0.150 - 0.600
Copper	Cu %	0.750 max.
Iron	Fe %	39.500 min.
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	170 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 N08800	ASTM	USA	Steel, Plate, Sheet and Strip
N08800	UNS	USA	Steel
A358 N08800	ASTM	USA	Steel
A959 Type800	ASTM	USA	Steel
1.4958	EN	European Union	Flat and Steel
1.4958	DIN	Germany	Flat and Steel
A959 N08811	ASTM	USA	Steel

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