

Material: ASTM A 959 S20400

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 S20400 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	7.000 - 9.000
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	15.000 - 17.000
Nickel	Ni %	1.500 - 3.000
Nitrogen	N %	0.150 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	330 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in BHN	241 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S20400	ASTM	USA	Steel, Plate, Sheet and Strip
S20400	UNS	USA	Steel and Pipe
A 312 S20400	ASTM	USA	Steel and Pipe
A409 S20400	ASTM	USA	Steel and Pipe
SA-240 UNS S20400	ASME	USA	Steel
-	-	-	-
-	-	-	-

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