Material: ASTM A 358 S30415

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 358 S30415 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 %	0.040 - 0.060
Silicon	Si %	1.000 - 2.000
Manganese	Mn %	0.800 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	18.000 - 19.000
Nickel	Ni %	9.000 - 10.000
Cerium	Ce %	0.030 - 0.080
Nitrogen	N %	0.120 - 0.180
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Yield Strength in Mpa	290 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HB	217 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S30415	ASTM	USA	Steel, Plate, Sheet and Strip
S30415	UNS	USA	Steel
A167 S30415	ASTM	USA	Steel, Sheet, Plate and Strip
A249 S30415	ASTM	USA	Steel and Tube
A312 S30415	ASTM	USA	Steel and Pipe
A959 S30415	ASTM	USA	Steel
SA-312 UNS S30415	ASME	USA	Steel and Pipe

Customer Care: +91-99090 45075 Email: info@icastllp.com