

Material: ASTM A240 UNS S30815

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 %	0.050 - 0.100	Solution Annealing	
Silicon	Si %	1.400 - 2.000		
Manganese	Mn %	0.800 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	20.000 - 22.000		
Nickel	Ni %	10.000 - 12.000		
Nitrogen	N %	0.140 - 0.20		
Cerium	Ce %	0.030 - 0.080		
Iron	Fe %	Balance		
0	0	0	Mechanical Properties Tensile Strength in Mpa 600 min. Yield Strength in Mpa 310 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
S30815	UNS	USA	Steel
S30815	AS	Australia	Steel, Plate, Sheet and Strip
A167 S30815	ASTM	USA	Steel, Plate, Sheet and Strip
A249 S30815	ASTM	USA	Steel and Tube
A276 S30815	ASTM	USA	Steel, Bar and Shape
A409 S30815	ASME	USA	Steel and Pipe
A959 S30815	ASTM	USA	Steel

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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