

Material: ASTM A 403 WP S38815

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 403 WP S38815 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			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	5.500 - 6.500		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	13.000 - 15.000		
Molybdenum	Mo %	0.750 - 1.500		
Nickel	Ni %	13.000 - 17.000		
Copper	Cu %	0.750 - 1.500	Mechanical Properties	
Aluminium	Al %	0.300 max.	Tensile Strength in Mpa	540 min.
Iron	Fe %	Balance	Yield Strength in Mpa	255 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 S38815	ASTM	USA	Steel, Plate, Sheet and Strip
S38815	UNS	USA	Steel
A959 S38815	ASTM	USA	Steel
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