

Material: ASME SA-409 UNS S31725

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: ASME SA-409 UNS S31725 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 %	0.750 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Molybdenum	Mo %	4.000 - 5.000		
Nickel	Ni %	13.500 - 17.500	Mechanical Properties	
Copper	Cu %	0.750 max.		
Nitrogen	N %	0.100 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S31725	ASTM	USA	Steel, Plate, Sheet and Strip
A358 S31725	ASTM	USA	Steel
A403 WP S31725	ASTM	USA	Steel and Pipe
A943 S31725	ASTM	USA	Steel and Pipe
SA-312 UNS S31725	ASME	USA	Steel and Pipe
SA-376	ASME	USA	Steel and Pipe
A240 S31726	ASTM	USA	Steel

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