

Material: UNS S35135

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: UNS S35135 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			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	0.600 - 1.000		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	20.000 - 25.000		
Molybdenum	Mo %	4.000 - 4.800		
Nickel	Ni %	30.000 - 38.000		
Copper	Cu %	0.750 max.	Mechanical Properties	
Titanium	Ti %	0.400 - 1.000	Tensile Strength in Mpa	515 min.
Iron	Fe %	Balance	Yield Strength in Mpa	205 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 S35135	ASTM	USA	Steel, Plate, Sheet and Strip
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-	-	-	-
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-	-	-	-
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