

Material: ASME SA-312 UNS S30615

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-312 UNS S30615 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 %	0.160 - 0.240	Solution Annealing	
Silicon	Si %	3.200 - 4.000		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 19.500		
Nickel	Ni %	13.500 - 16.000		
Aluminium	Al %	0.800 - 1.500		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	
			620 min.	
			Yield Strength in Mpa	
			275 min.	
			Elongation in %	
			25 min.	
			Reduction of Area in %	
			-	
			Hardness in BHN	
			-	
			Impact in Joule	
			-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S30615	ASTM	USA	Steel, Plate, Sheet and Strip
S30615	UNS	USA	Steel
A213 S30615	ASTM	USA	Steel and Tube
A249 S30615	ASTM	USA	Steel and Tube
A312 S30615	ASTM	USA	Steel and Pipe
A959 S30615	ASTM	USA	Steel
SA-249 UNS S30615	ASME	USA	Steel and Tube

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