

Material: ASTM A240 UNS S34809

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 %	0.040 - 0.100	Solution Annealing	
Silicon	Si %	0.750 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 19.000		
Nickel	Ni %	9.000 - 13.000		
Nb + Ta	Nb % + Ta	8*C - 1.00 max.		
Tantalum	Ta %	0.100 max.		
Cobalt	Co %	0.200 max.	Mechanical Properties Tensile Strength in Mpa 515 min. Yield Strength in Mpa 205 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN 201 max. Impact in Joule -	
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CF8C	ASTM	USA	Casting
A 744 CF8C	ASTM	USA	Casting
GX5CrNiNb 19-11	DIN	Germany	Casting
1.4552	EN	European Union	Casting
347 C 17	BS	British	Casting
SCS 21	JIS	Japan	Casting
SA 351 CF8C	ASME	USA	Casting

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