

Material - ASTM A240 UNS S34800

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 %	0.080 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 %	17.000 - 19.000		
Nickel	Ni %	9.000 - 13.000		
Nb + Ta	Nb % + Ta %	10*C - 1.00 max.		
Tantalum	Ta %	0.100 max.	Mechanical Properties	
Cobalt	Co %	0.200 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			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	-

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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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