

Material: DIN 1.4847

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: DIN 1.4847 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		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	18.000 - 22.000
Nickel	Ni %	18.000 - 22.000
Aluminium	Al %	0.600 max.
Titanium	Ti %	0.600 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S33400	ASTM	USA	Steel, Plate, Sheet and Strip
S22400	UNS	USA	Steel
A959 Type 334	ASTM	USA	Steel
X8CrNiAlTi20-20	DIN	Germany	Steel
1.4847	EN	European Union	Steel
-	-	-	-
-	-	-	-

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