

Material: ASME SA-240 UNS S44660

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-240 UNS S44660 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 %	0.030 max.	Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	25.000 - 28.000		
Molybdenum	Mo %	3.000 - 4.000		
Nickel	Ni %	1.000 - 3.500		
Nitrogen	N %	0.040 max.		
Titanium	Ti %	0.200 - 1.000		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	585 min.
-	-	-	Yield Strength in Mpa	450 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	241 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S44660	ASTM	USA	Steel, Plate, Sheet and Strip
S446660	UNS	USA	Steel
A176 S44660	ASTM	USA	Steel, Sheet, Plate and Strip
A268 26-3-3	ASTM	USA	Steel and Tube
A959 Type 26-3-3	ASTM	USA	Steel
SA-803 26-3-3	ASME	USA	Steel and Tube
SA-240 Type 26-3-3	ASME	USA	Steel, Sheet, Plate and Strip

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