

# Material: ASME SA-803 26-3-3

## 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-803 26-3-3 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 Tube

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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 585 min. Yield Strength in Mpa 450 min. Elongation in % 20 min. Reduction of Area in % - Hardness in HB 265 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
S44660	UNS	USA	Steel
A176 S44660	ASTM	USA	Steel, Sheet, Plate and Strip
SA-240 UNS S44660	ASME	USA	Steel
A268 26-3-3	ASTM	USA	Steel and Tube
A959 Type 26-3-3	ASTM	USA	Steel
SA-240 Type 26-3-3	ASME	USA	Steel, Sheet, Plate and Strip

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