

# 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		
Carbon	C %	0.030 max.
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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Annealing or Hardening + Tempering	

Mechanical Properties	
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
S446660	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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