

# Material: ASTM A 815 S32760

## 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 A 815 S32760 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 Pipe

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	6.000 - 8.00
Molybdenum	Mo %	3.000 - 4.000
Nitrogen	N %	0.200 - 0.300
Copper	Cu %	0.500 - 1.000
Tungsten	W %	0.500 - 1.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	750 min.
Yield Strength in Mpa	550 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	310 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S32760	ASTM	USA	Steel, Plate, Sheet and Strip
S32760	UNS	USA	Steel
A276 S32760	ASTM	USA	Steel, Bar and Shapes
A789 S32760	ASTM	USA	Steel and Tube
A790 S32760	ASTM	USA	Steel and Pipe
A959 S32760	ASTM	USA	Steel
A988 S32760	ASTM	USA	Steel

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