

## Material: UNS 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:** UNS 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.	Solution Annealing	
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 - 8.000		
Molybdenum	Mo %	3.000 - 4.000		
Nitrogen	N %	0.200 - 0.300		
Copper	Cu %	0.500 - 1.000		
Tungsten	W %	0.050 - 0.300	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	750 min.
-	-	-	Yield Strength in Mpa	550 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	270 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
A276 S32760	ASTM	USA	Steel, Bar and Shape
A789 S32760	ASTM	USA	Steel and Tube
A790 S32760	ASTM	USA	Steel and Pipe
A815 S32760	ASTM	USA	Steel and Pipe
A959 S32760	ASTM	USA	Steel
A988 S32760	ASTM	USA	Steel

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