

Material: ASTM A 790 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 790 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			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 - 8.00		
Molybdenum	Mo %	3.000 - 4.000		
Nitrogen	N %	0.200 - 0.300		
Copper	Cu %	0.500 - 1.000		
Tungsten	W %	0.500 - 1.000	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 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
A815 S32760	ASTM	USA	Steel and Pipe
A959 S32760	ASTM	USA	Steel
A988 S32760	ASTM	USA	Steel

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