

Material: ASTM A240 UNS S31260

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 A240 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, Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	0.750 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	5.500 - 7.500		
Molybdenum	Mo %	2.500 - 3.500		
Nitrogen	N %	0.100 - 0.300	Mechanical Properties	
Copper	Cu %	0.200 - 0.800	Tensile Strength in Mpa	690 min.
Tungsten	W %	0.100 - 0.500	Yield Strength in Mpa	485 min.
Iron	Fe %	Balance	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	290 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S31260	UNS	USA	Steel
A789 S31260	ASTM	USA	Steel and Tube
A790 S31260	ASTM	USA	Steel and Pipe
A928 S31260	ASTM	USA	Steel and Pipe
A959 S31260	ASTM	USA	Steel
SA-240 UNS S31260	ASME	USA	Steel
SA-789 UNS S31260	ASME	USA	Steel

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