

# Material: ASTM A 928 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 A 928 S31260 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 %	0.750 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	24.000 - 26.000
Molybdenum	Mo %	2.500 - 3.500
Nickel	Ni %	5.500 - 7.500
Nitrogen	N %	0.100 - 0.300
Copper	Cu %	0.200 - 0.800
Tungsten	W %	0.100 - 0.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	
Mechanical Properties	
Tensile Strength in Mpa	483 min.
Yield Strength in Mpa	689 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	290 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S31260	ASTM	USA	Steel, Plate, Sheet and Strip
S31260	UNS	USA	Steel
A789 S31260	ASTM	USA	Steel and Tube
A790 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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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India