



## Material - ASTM A358 N08810

**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 A358 N08810 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 %	0.050 - 0.100	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	19.000 - 23.000		
Nickel	Ni %	30.000 - 35.000		
Titanium	Ti %	0.150 - 0.600	<b>Mechanical Properties</b> Tensile Strength in Mpa      450 min. Yield Strength in Mpa      170 min. Elongation in %      30 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
Aluminium	Al %	0.150 - 0.600		
Copper	Cu %	0.750 max.		
Iron	Fe %	39.500 min.		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS N08800	ASTM	USA	Steel, Plate, Sheet and Strip
N08800	UNS	USA	Steel
A358 N08800	ASTM	USA	Steel
A959 Type800	ASTM	USA	Steel
1.4958	EN	European Union	Flat and Steel
1.4958	DIN	Germany	Flat and Steel
A959 N08811	ASTM	USA	Steel

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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