



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A959 N08811

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 A959 N08811 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 %	0.060 - 0.100	Solution Annealing			
Silicon	Si %	1.000 max.				
Manganese	Mn %	1.500 max.				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.015 max.				
Chromium	Cr %	19.000 - 23.000				
Nickel	Ni %	30.000 - 35.000				
Titanium	Ti %	0.150 - 0.600	Mechanical Properties			
Aluminium	Al %	0.150 - 0.600				
Al + Ti	Al% + Ti%	0.850 - 1.200			Tensile Strength in Mpa	520 min.
Copper	Cu %	0.750 max.			Yield Strength in Mpa	205 min.
Iron	Fe %	39.500 min.			Elongation in %	30 min.
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in BHN	-
-	-	-	Impact in Joule	-		

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
A358 N08810	ASTM	USA	Steel and Pipe

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

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