



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 358 S31266

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 358 S31266 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 %	2.000 - 4.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	23.000 - 25.000		
Molybdenum	Mo %	5.200 - 6.200		
Nickel	Ni %	21.000 - 24.000	Mechanical Properties	
Tungsten	W %	1.500 - 2.500	Tensile Strength in Mpa	750 min.
Copper	Cu %	1.000 - 2.500	Yield Strength in Mpa	420 min.
Nitrogen	N %	0.350 - 0.600	Elongation in %	35 min.
Iron	Fe %	Balance	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S31266	ASTM	USA	Steel, Plate, Sheet and Strip
S31266	UNS	USA	Steel
A959 S31266	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

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