



Material - ASTM A240 UNS S32101

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 %	0.040 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	4.000 - 6.000		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	21.000 - 22.000		
Nickel	Ni %	1.350 - 1.700		
Molybdenum	Mo %	0.100 - 0.800		
Nitrogen	N %	0.200 - 0.250		
Copper	Cu %	0.100 - 0.800		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S32101	UNS	USA	Steel
A276 S32101	ASTM	USA	Steel, Bar and Shape
A182 F 69	ASTM	USA	Steel
A479 S32101	ASTM	USA	Steel
A789 S32101	ASTM	USA	Steel
SA-182 F 69	ASME	USA	Steel
A815 CRS32101	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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