



Material - ASTM A240 UNS S30601

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 %	0.015 max.	Solution Annealing	
Silicon	Si %	5.000 - 5.600		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.013 max.		
Chromium	Cr %	17.000 - 18.000		
Nickel	Ni %	17.000 - 18.000		
Molybdenum	Mo %	0.200 max.		
Copper	Cu %	0.350 max.		
Nitrogen	N %	0.050 max.		
Cerium	Ce %	0.030 - 0.080	Tensile Strength in Mpa	540 min.
Iron	Fe %	Balance	Yield Strength in Mpa	255 min.
-	-	0	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S30601	UNS	USA	Steel
A595 S30601	ASTM	USA	Steel
A182 F 64	ASTM	USA	Steel
A240 S30601	ASTM	USA	Steel
A312 S30601	ASTM	USA	Steel
A959 S30601	ASTM	USA	Steel
SA-182 F	ASME	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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