

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.	Mechanical Properties	
Nitrogen	N %	0.050 max.	Tensile Strength in Mpa	540 min.
Cerium	Ce %	0.030 - 0.080	Yield Strength in Mpa	255 min.
Iron	Fe %	Balance	Elongation in %	30 min.
-	-	0	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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.