

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	Mechanical Properties	
Copper	Cu %	0.100 - 0.800	Tensile Strength in Mpa	700 min.
Iron	Fe %	Balance	Yield Strength in Mpa	530 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	290 max.
-	-	-	Impact in Joule	-

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

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

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