

Material - ASTM A240 UNS S34565

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 %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	5.000 - 7.000		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	23.000 - 25.000		
Nickel	Ni %	16.000 - 18.000		
Molybdenum	Mo %	4.000 - 5.000		
Nitrogen	N %	0.400 - 0.600	Mechanical Properties	
Niobium	Nb %	0.100 max.	Tensile Strength in Mpa	795 min.
Iron	Fe %	Balance	Yield Strength in Mpa	415 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	241 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S34565	UNS	USA	Steel
A167 S34565	ASTM	USA	Steel, Sheet, Plate and Strip
A213 S34565	ASTM	USA	Steel and Tube
A249 S34565	ASTM	USA	Steel and Tube
A276 S34565	ASTM	USA	Steel, Bar and Shape
A312 S34565	ASTM	USA	Steel and Pipe
A959 S34565	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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