

Material - ASTM A358 S32050

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 A358 S32050 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 - Pipes

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	22.000 - 24.000		
Nickel	Ni %	20.000 - 23.000		
Molybdenum	Mo %	6.000 - 6.800	Mechanical Properties	
Nitrogen	N %	0.210 - 0.320		
Copper	Cu %	0.400 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	675 min.
			Yield Strength in Mpa	330 min.
			Elongation in %	40 min.
			Reduction of Area in %	-
			Hardness in BHN	256 max.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S32050	ASTM	USA	Steel, Plate, Sheet and Strip
A240 S32050	ASTM	USA	Plate, Sheet and Strip
A213 S32050	ASTM	USA	Tubes for Superheaters and Heat Exchanges
A 959 S32050	ASTM	USA	Plate, Sheet and Strip
A249 S32050	ASTM	USA	Tubes for Superheaters and Heat Exchanges
S32050	UNS	USA	Plate, Sheet and Strip
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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, or email us at manish@amtechtechnocast.com

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