

Material: ASTM A 249 TPXM-15

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 A 249 TPXM-15 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 and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.500 - 2.500		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 19.000		
Nickel	Ni %	17.500 - 18.500		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 515 min. Yield Strength in Mpa 205 min. Elongation in % 35 min. Reduction of Area in % - Hardness in HB 90 max. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S38100	ASTM	USA	Steel, Plate, Sheet and Strip
S38100	UNS	USA	Steel
A167 XM-15	ASTM	USA	Steel, Sheet, Plate and Strip
A213 XM-15	ASTM	USA	Steel and Tube
A269 TPXM-15	ASTM	USA	Steel and Tube
A312 TPXM-15	ASTM	USA	Steel and Pipe
A943 TPXM-15	ASTM	USA	Steel and Pipe

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