

Material: ASTM A 358 XM-29

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 358 XM-29 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 Pipe

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	0.750 max.
Manganese	Mn %	11.500 - 14.500
Phosphorus	P %	0.060 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	2.300 - 3.700
Nitrogen	N %	0.200 - 0.400
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	380 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HB	241 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S24000	ASTM	USA	Steel, Plate, Sheet and Strip
S24000	UNS	USA	Steel and Pipe
A276 XM-29	ASTM	USA	Steel, Bar and Shapes
XM-290	SAE	USA	Steel
A479 XM-29	ASTM	USA	Steel and Bar
A314 XM-29	ASTM	USA	Steel, Rolling and Forging
A580 Type XM-29	ASTM	USA	Steel and Wire

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