

Material - ASTM A 358 XM-19

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-19 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			Heat Treatment	
Carbon	C %	0.060 max.		
Silicon	Si %	0.750 max.		
Manganese	Mn %	4.000 - 6.000	Solution Annealing	
Phosphorus	Р%	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	20.500 - 23.500		
Molybdenum	Mo %	1.500 - 3.000		
Nickel	Ni %	11.500 - 13.500		
Vanadium	V %	0.100 - 0.300	Mechanical Properties	
Niobium	Nb %	0.100 - 0.300	Tensile Strength in Mpa	690 min.
Nitrogen	N %	0.200 - 0.400	Yield Strength in Mpa	380 min.
Iron	Fe %	Balance	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
A240 UNS S20910	ASTM	USA	Steel, Plate, Sheet and Strip	
20910	UNS	USA	Steel	
5764	AMS	USA	Steel, Bar, Wire, Extrusion and Forging	
XM-19	SAE	USA	Steel	
A479 XM-19	ASTM	USA	Steel and Bar	
A182 F XM-19	ASTM	USA	Steel, Pipe and Forging	
A314 XM-19	ASTM	USA	Steel, Rolling and Forging	

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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