

Material: ASTM A 240 S44400

Standard Specification for Ferritic Chromium Molybdenum Stainless Steel Plate, Sheet and Strip

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A 240 S44400 Ferritic Chromium Molybdenum Stainless Steel Plate, Sheet and Strip

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.025 max.	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.500 - 19.500		
Molybdenum	Mo %	1.750 - 2.500		
Nickel	Ni %	1.000 max.		
Nitrogen	N %	0.025 max.		
Ti+Nb	Ti% + Nb%	0.800 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	415 min.
-	-	-	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	217 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
444	AS	Australia	Plate, Sheet and Strip
A176 S44400	ASTM	USA	Plate, Sheet and Strip
F.3123	UNE	Spain	Casting
SA-731 18 Cr-2Mo	ASTM	USA	Casting
X 2 CrMoTiNb 18-2	UNE	Spain	Plate, Sheet and Strip
444	SAE	USA	Plate, Sheet and Strip
A731 18Cr-2Mo	ASTM	USA	Casting

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