

Material - ASTM A176 S44400

Standard Specification for Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A176 S44400 Stainless and Heat-Resisting Chromium 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.	Normalising 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.	Mechanical Properties 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 -	
Ti + Nb	Ti% + Nb%	0.800 max.		
Nitrogen	N %	0.035 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

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](tel:+919879817994), or email us at manish@amtechtechnocast.com

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