

Material: AS 444

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

Group: Ferrous Stainless Steel Alloys

Sub Group: AS 444 Alloy Steels - Stainless and Heat Resisting 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		
Carbon	C %	0.025 max.
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.
Ti + Nb	Ti% + Nb%	0.800 max.
Copper	Cu %	0.350 max.
Nitrogen	N %	0.035 max.
Nb+Ti	Nb% + Ti%	0.800 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment	
Normalizing or Annealing or Hardening + Tempering	

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	310 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
SA-731 18 Cr-2Mo	ASTM	USA	Casting
A176 S44400	ASTM	USA	Plate, Sheet and Strip
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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India