



## Material - SAE 444

### Standard Specification for Chemical Compositions of Stainless Steels Plate, Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - SAE 444 Chemical Compositions of Stainless Steels 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.		
Ti+Nb	Ti% + Nb%	0.800 max.		
Nitrogen	N %	0.035 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      415 min. Yield Strength in Mpa      275 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
444.0000	AS	Australia	Plate, Sheet and Strip
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
SA-731 18 Cr-2Mo	ASTM	USA	Casting
A731 18Cr-2Mo	ASTM	USA	Casting

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

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