



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. | 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. | | |
| Nitrogen | N % | 0.025 max. | | |
| Ti+Nb | Ti% + Nb% | 0.800 max. | | |
| Iron | Fe % | Balance | 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 - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| 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 |

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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