



Material - SAE XM-17

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - SAE XM-17 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry - Steel

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.080 max. | Solution Annealing | |
| Silicon | Si % | 0.750 max. | | |
| Manganese | Mn % | 7.500 - 9.000 | | |
| Phosphorus | P % | 0.045 max. | | |
| Sulphur | S % | 0.030 max. | | |
| Chromium | Cr % | 17.500 - 22.000 | | |
| Molybdenum | Mo % | 2.000 - 3.000 | | |
| Nickel | Ni % | 5.000 - 7.000 | | |
| Nitrogen | N % | 0.250 - 0.500 | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 1620 - 2450 Yield Strength in Mpa - Elongation in % - 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 |
| A240 UNS S21600 | ASTM | USA | Steel, Plate, Sheet and Strip |
| S21600 | UNS | USA | Steel |
| A492 Type XM-17 | ASTM | USA | Steel and Wire |
| A959 Type XM-17 | ASTM | USA | Steel |
| A240 Type XM-18 | ASTM | USA | Steel, Plate, Sheet and Strip |
| A959 Type XM-18 | ASTM | USA | Steel |
| XM-18 | SAE | USA | Steel |

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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