



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 988 S39274

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 - ASTM A 988 S39274 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 % | 0.030 max. | Solution Annealing | |
| Silicon | Si % | 0.800 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Phosphorus | P % | 0.030 max. | | |
| Sulphur | S % | 0.020 max. | | |
| Chromium | Cr % | 24.000 - 26.000 | | |
| Nickel | Ni % | 6.000 - 8.000 | | |
| Molybdenum | Mo % | 2.500 - 3.500 | | |
| Nitrogen | N % | 0.240 - 0.320 | | |
| Copper | Cu % | 0.200 - 0.800 | | |
| Tungsten | W % | 1.500 - 2.500 | Mechanical Properties Tensile Strength in Mpa 800 min. Yield Strength in Mpa 550 min. Elongation in % 15 min. Reduction of Area in % 30 min. Hardness in HB 310 max. Impact in Joule - | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A240 UNS S39274 | ASTM | USA | Steel, Plate, Sheet and Strip |
| S39274 | UNS | USA | Steel |
| A789 S39274 | ASTM | USA | Steel and Tube |
| A790 S39274 | ASTM | USA | Steel and Pipe |
| A815 S39274 | ASTM | USA | Steel and Pipe |
| A959 S39274 | ASTM | USA | Steel and Pipe |
| SA-789 UNS S39274 | ASME | 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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