



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 269 S30600

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 A269 S30600 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 and Tube

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|-------------------------|----------|
| Carbon | C % | 0.018 max. | Solution Annealing | |
| Silicon | Si % | 3.700 - 4.300 | | |
| Manganese | Mn % | 2.000 max. | | |
| Phosphorus | P % | 0.020 max. | | |
| Sulphur | S % | 0.020 max. | | |
| Chromium | Cr % | 17.000 - 18.500 | | |
| Molybdenum | Mo % | 0.200 max. | | |
| Nickel | Ni % | 14.000 - 15.500 | Mechanical Properties | |
| Copper | Cu % | 0.500 max. | Tensile Strength in Mpa | - |
| Iron | Fe % | Balance | Yield Strength in Mpa | - |
| - | - | - | Elongation in % | - |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 192 max. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A240 UNS S30600 | ASTM | USA | Steel, Plate, Sheet and Strip |
| A959 S30600 | ASTM | USA | Steel |
| A167 S30600 | ASTM | USA | Steel, Plate, Sheet and Strip |
| A312 S30600 | ASTM | USA | Steel and Pipe |
| A358 S30600 | ASTM | USA | Steel and Pipe |
| A479 S30600 | ASTM | USA | Steel and Bar |
| A943 S30600 | ASTM | USA | Steel and Pipe |

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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