



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS STS 409LTP

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 - KS STS 409LTP 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 Pipe

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|--|--|
| Carbon | C % | 0.030 max. | 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 % | 10.500 - 11.750 | | |
| Titanium | Ti % | 0.750 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 360 min. Yield Strength in Mpa 175 min. Elongation in % 11 min. Reduction of Area in % - Hardness in HB - Impact in Joule - | |
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| Cross Reference Table | | | |
|-----------------------|----------|-----------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A240 UNS S40900 | ASTM | USA | Steel, Plate, Sheet and Strip |
| S409000 | UNS | USA | Steel |
| 409 | AS | Australia | Steel, Sheet, Plate and Strip |
| 409 | SAE | USA | Steel |
| SUH 409 | JIS | Japan | Steel, Plate and Sheet |
| 409 S 19 | BS | British | Steel, Sheet, Plate and Strip |
| SA-240 UNS S40900 | 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

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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