



Material - JIS SUS 429

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 - JIS SUS 429 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, Sheet, Plate and Strip

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|------------------------------------|----------|
| Carbon | C % | 0.120 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 % | 14.000 - 16.000 | | |
| Nickel | Ni % | 0.600 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 450 min. |
| - | - | - | Yield Strength in Mpa | 205 min. |
| - | - | - | Elongation in % | 22 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 183 max. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A240 UNS S42900 | ASTM | USA | Steel, Plate, Sheet and Strip |
| S42900 | UNS | USA | Steel |
| 429 | SAE | USA | Steel |
| STS 429 | KS | Korea | Steel, Sheet, Plate and Strip |
| A182 F429 | ASTM | USA | Steel, Pipe and Forging |
| A276 429 | ASTM | USA | Steel, Bar and Shapes |
| A959 Type 429 | ASTM | 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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