

TABLE: COMMON FERRITIC STAINLESS STEEL GRADES AND THEIR APPLICATIONS

| COMMON NAME | UNS NO | FORMS AVAILABLE* | C | Cr | Mo | Ti | OTHER | TYPICAL APPLICATIONS |
|-------------|--------|-------------------------|------|------|-----|------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 409 | S40900 | Sheet, Coil | 0.02 | 11.5 | - | 0.25 | - | Heat resistant steel, easily formed and welded. Mainly used for automotive exhausts or welded applications where superior performance to galvanised steel is required. |
| 446 | S44600 | Tube, Pipe | 0.15 | 24.0 | - | - | - | Used for severe heat resistant applications up to 1200°C. In recuperators, highly resistant to sulphidation and oil ash corrosion. |
| 430 | S43000 | Sheet, Coil, Plate, Bar | 0.03 | 17.0 | - | - | - | Interior architectural components, stove and automotive trim, dishwasher and clothes dryer lines. Fusion welds tend to be brittle. |
| 444 | S44400 | Sheet, Coil | 0.02 | 18.5 | 2.0 | 0.4 | - | Heat exchanger and hot water tanks, and in chloride-containing waters. Not prone to chloride stress corrosion - superior resistance to pitting, crevice and intergranular corrosion. Possesses excellent deep drawing properties. |
| 1.4003 | S41003 | Plate, Sheet, Coil | 0.02 | 11.5 | - | - | - | Mildly corrosive environments where better life cycle cost is obtainable than with carbon or galvanised steel. Usually referred to by proprietary designations, eg. 3CR12 or 5CR12. |

* Compatible or equivalent grades also available in castings.