

Material: ASTM A 268 26-3-3

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 268 26-3-3 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 % | 0.030 max. | |
| Silicon | Si % | 1.000 max. | |
| Manganese | Mn % | 1.000 max. | |
| Phosphorus | P % | 0.040 max. | |
| Sulphur | S % | 0.030 max. | |
| Chromium | Cr % | 25.000 - 28.000 | |
| Molybdenum | Mo % | 3.000 - 3.500 | |
| Nickel | Ni % | 1.000 - 3.500 | |
| Nitrogen | N % | 0.040 max. | Annealing or Hardening + Tempering |
| Titanium | Ti % | 0.200 - 1.000 | |
| Iron | Fe % | Balance | |
| - | - | - | |
| - | - | - | |
| - | - | - | |
| - | - | - | |

| Mechanical Properties | | |
|-------------------------|----------|--|
| Tensile Strength in Mpa | 585 min. | |
| Yield Strength in Mpa | 450 min. | |
| Elongation in % | 11 min. | |
| Reduction of Area in % | - | |
| Hardness in HB | 265 max. | |
| Impact in Joule | - | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A240 UNS S44660 | ASTM | USA | Steel, Plate, Sheet and Strip |
| S446660 | UNS | USA | Steel |
| A176 S44660 | ASTM | USA | Steel, Sheet, Plate and Strip |
| SA-240 UNS S44660 | ASME | USA | Steel |
| A959 Type 26-3-3 | ASTM | USA | Steel |
| SA-803 26-3-3 | ASME | USA | Steel and Tube |
| SA-240 Type 26-3-3 | ASME | USA | Steel, Sheet, Plate and Strip |

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India