

Material: DIN X 8 CrNiAlTi 20-20

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: DIN X 8 CrNiAlTi 20-20 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

| Chemical Composition | | |
|----------------------|------|-----------------|
| Carbon | C % | 0.080 max. |
| Silicon | Si % | 1.000 max. |
| Manganese | Mn % | 1.000 max. |
| Phosphorus | P % | 0.030 max. |
| Sulphur | S % | 0.015 max. |
| Chromium | Cr % | 18.000 - 22.000 |
| Nickel | Ni % | 18.000 - 22.000 |
| Aluminium | Al % | 0.600 max. |
| Titanium | Ti % | 0.600 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|--------------------|
| Solution Annealing |

| Mechanical Properties | |
|-------------------------|---|
| Tensile Strength in Mpa | - |
| Yield Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | - |
| Hardness in BHN | - |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A240 UNS S33400 | ASTM | USA | Steel, Plate, Sheet and Strip |
| S22400 | UNS | USA | Steel |
| A959 Type 334 | ASTM | USA | Steel |
| 1.4847 | DIN | Germany | Steel |
| 1.4847 | EN | European Union | Steel |
| - | - | - | - |
| - | - | - | - |

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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