



Material - ASTM A 240 S35115

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM A 240 S35115 Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Plate, Sheet and Strip

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|--------------------------------------|----------|
| Carbon | C % | 0.030 max. | As-Cast or Annealing or Age Hardning | |
| Chromium | Cr % | 23.000 - 25.000 | | |
| Manganese | Mn % | 1.000 max. | | |
| Phosphorus | P % | 0.045 max. | | |
| Sulphur | S % | 0.015 max. | | |
| Molybdenum | Mo % | 1.500 - 2.500 | | |
| Nitrogen | N % | 0.200 - 0.300 | | |
| Nickel | Ni % | 10.000 - 22.000 | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 585 min. |
| - | - | - | Yield Strength in Mpa | 275 min. |
| - | - | - | Elongation in % | 40 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HRC | 100 max. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| Incoloy Alloy 865 | Gravity | India | Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire |
| S35115 | UNS | USA | Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
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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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