



**Nickel 201** – Nickel 201 alloy is a low carbon modification of Nickel 200 alloy that has found applications in the electronic industry at temperatures up to 1200°F (649°C). It is preferred to nickel 200 above 600°F (315°C), because of its better resistance to "creep."

**Alloy 400** – (Monel) alloy 400 is a nickel/copper alloy that is easily machined and fabricated. It is used for its excellent combination of strength, corrosion resistance, ductility and weldability. Very good in salt water and brackish water and not susceptible to stress corrosion cracking.

**Alloy 600** – (Inconel) – alloy 600 is a nickel/chrome/iron alloy good in applications that require resistance to corrosion and heat. Good for a combination of high strength and good workability under a wide variety of temperatures. It is acid resistant. Used in jet engines, super heaters, food processing, steam generators.

**Alloy 625** – Alloy 625 (UNS N06625) is a nickel-chromium-molybdenum alloy with excellent strength from room temperature up to about 1500°F. It maintains good oxidation resistance up to 1800°F and provides good resistance to corrosion. Some of the applications of this alloy are in chemical processing, aerospace and marine engineering, pollution-control equipment, and nuclear reactors.

**Alloy 800** – (Incoloy) – alloy 800 is a nickel-iron/chrome alloy with additions of copper and moly. Has excellent resistance to general corrosion, pitting and crevice corrosion in chemicals containing chlorides and sulfuric, nitric and phosphoric acids. Used for tanks, piping, heat exchangers, pumps, valves and other process equipment. 800, valves, and other process equipment. Standard product forms are round, flats, pipe, tube, plate, sheet, strip, and wire.

**Alloy 825** – Alloy 825 is a titanium stabilized austenitic nickel/iron/chrome alloy with additions of copper and moly. It has good resistance to oxidizing and non-oxidizing hot acids. The moly aids in resistance to pitting and crevice corrosion. Applications include salt water cooled heat exchangers, offshore piping system tubes, heat exchangers, evaporators and scrubbers.

**Alloy C-276** – (Hastalloy) C-276 is a nickel-molybdenum-chrome alloy with the addition of tungsten. It has excellent corrosion resistance. It is suitable for most chemical process applications. It resists stress corrosion cracking is resistant to oxidation at temps up to 1900 F. A nickel-iron-chromium alloy with additions of copper and molybdenum. It also contains niobium for stabilization against sensitization and resultant intergranular corrosion. The alloy has excellent resistance to general corrosion, pitting, and crevice corrosion in chemicals containing chlorides and sulfuric, phosphoric, and nitric acids. Used for tanks, piping, heat exchangers, pumps, valves, and other process equipment. Standard product forms are round, flats, pipe, tube, plate, sheet, strip, and wire.