

**INCOLOY® 800 / 800H / 800HT®**

| Common Names  |             |            |        |
|---------------|-------------|------------|--------|
| Incoloy 800   | Alloy 800   | UNS N08800 | 1.4876 |
| Incoloy 800H  | Alloy 800H  | UNS N08810 | 1.4958 |
| Incoloy 800HT | Alloy 800HT | UNS N08811 | 1.4959 |

**Chemical Composition, %**

| Material Grade | Ni        | Cr        | Fe       | C       | Al      | Ti      | Al+Ti    |
|----------------|-----------|-----------|----------|---------|---------|---------|----------|
| Incoloy 800    | 30.0-35.0 | 19.0-23.0 | 39.5 min | .10 max | .15-.60 | .15-.60 | .30-1.20 |
| Incoloy 800H   | 30.0-35.0 | 19.0-23.0 | 39.5 min | .05-.10 | .15-.60 | .15-.60 | .30-1.20 |
| Incoloy 800HT  | 30.0-35.0 | 19.0-23.0 | 39.5 min | .06-.10 | .25-.60 | .25-.60 | 0.85-1.2 |

**ASTM Specifications**

| Alloy                          | Pipe<br>Smls | Pipe<br>Welded | Tube<br>Smls | Tube<br>Welded | Sheet/Plate | Bar  | Forging | Fitting |
|--------------------------------|--------------|----------------|--------------|----------------|-------------|------|---------|---------|
| Alloy 800<br>(UNS<br>N08800)   | B407         | B154           | B163         | B515           | B409        | B408 | B564    | B366    |
| Alloy 800H<br>(UNS<br>N08810)  | B407         | B154           | B163         | B515           | B409        | B408 | B564    | B366    |
| Alloy 800HT<br>(UNS<br>N08811) | B407         | B154           | B163         | B515           | B409        | B408 | B564    | B366    |

**Mechanical Properties**

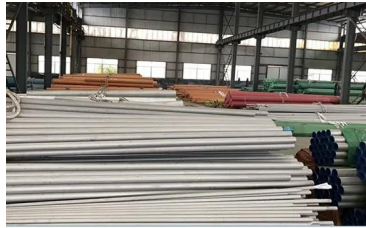
Typical room temperature Tensile Properties of Annealed Material

| Product   | Tensile (ksi) | .2% Yield (ksi) | Elongation (%) |
|-----------|---------------|-----------------|----------------|
| Rod & Bar | 75-100        | 30-60           | 60-30          |

**In what forms is Incoloy® 800/800H/HT available?**

- Sheet
- Plate
- Bar

## Steel Pipe Tube



Outer diameter

Round pipe: 4mm-200mm

Square pipe: 10\*10mm-100\*100mm

Rectangular pipe: 10\*20mm-50\*100mm

Wall thickness: 0.6mm-6.0mm

Length: 1-6 meters, length can be customized

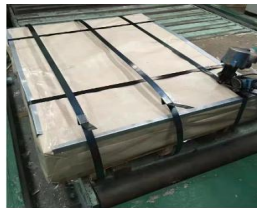
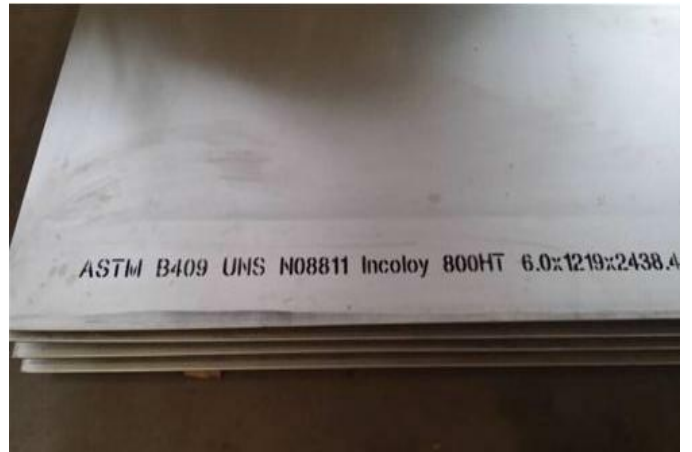
Standard: ASTM / AISI / JIS / GB / DIN / EN

Surface: black, bright polishing, rough turning, matte surface treatment, NO.4, BA, etc.

Certificate: ISO / SGS / BV

Production technology: hot rolling / cold rolling

## Steel Plate



Thickness: 0.3mm-200mm

Length: 2000mm / 2438mm / 3000mm / 5800mm / 6000mm / 12000mm, etc.

Width: 40mm-600mm / 1000mm / 1219mm / 1500mm / 1800mm / 2000mm / 2500mm / 3000mm / 3500mm, etc.

Standard: ASTM / AISI / JIS / GB / DIN / EN

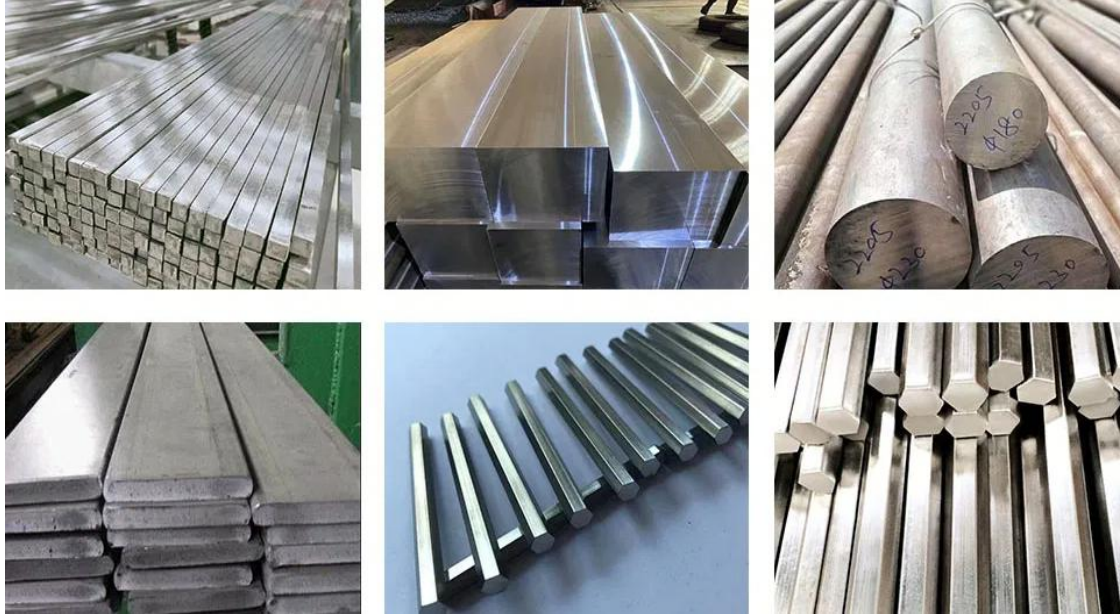
Surface: BA / 2B / NO.1 / NO.4 / 4K / HL / 8K, etc.

Certificate: ISO / SGS / BV

Production technology: hot rolling / cold rolling

## incoloy alloy bar

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Outer diameter

Round bar: 4mm-500mm

Hexagonal bar: 18mm-57mm (11/16" to 2-3/4")

Square bar: 18mm-47mm (11/16" to 1-3/4")

Flat bar: 1/2" to 10", Thickness: 2mm-150mm, customizable

Length: 1-6 meters, customizable

Standard: ASTM / AISI / JIS / GB / DIN / EN

Surface: black, bright polished, rough turned, matte surface treatment, NO.4, BA, etc.

Certificate: ISO / SGS / BV

Production technology: hot rolling / cold rolling

## Flange & Forgings

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### Flange & Forgings

Specifications: 1/2"(15NB) to 48"(1200NB).

Strength level: 900~1600MPa or above.

Working temperature: -250~1300°C.

Coating/surface treatment: oil black paint, anti-rust paint, yellow transparent, hot and cold galvanizing, galvanizing.

Pressure level: 150, 300, 400, 600, 900, 1500, 2500, PN6, PN10, PN16, PN25, PN40, PN64, etc.

fastener

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Products: Bolts, Screws, Studs (Threaded Rods), Nuts, Washers, Rivets, Non-standard Products, Precious Parts, Die-casting, Casting Parts, etc.

Dimensions: Diameter: M1-M100

Length: 2mm-3000mm.

Standard: ISO.

Material: Alloy Steel.

Color: Grey, Silver.

Size: Customized.

Function: Fastening.

Quality: High Quality.

Delivery Time: 20-30 days.