

INCONEL® ALLOY 600

Common Names			
Inconel 6000	Alloy 600	UNS N06600	2.4816

Chemical Composition, %

Ni + Co	Cr	Fe	C	Mn	S	Si	Cu
72.0 min	14.0-17.0	6.0-10.0	.15 max	1.00 max	.015 max	.50 max	.50 max

ASTM Specifications

Pipe Smls	Pipe Welded	Tube Smls	Tube Welded	Sheet/Plate	Bar	Forging	Fitting
B167	B517	B163	B516	B168	B166	B564	B366

Mechanical Properties

Typical room temperature Tensile Properties of Annealed Material

Product Form	Condition	Tensile (ksi)	.2% Yield (ksi)	Elongation (%)	Hardness (HRB)
Rod & Bar	Cold-Drawn	80-100	25-50	35-55	65-85
Rod & Bar	Hot-Finished	80-100	30-50	35-55	65-85
Tube & Pipe	Hot-Finished	75-100	25-50	35*55	-
Tube & Pipe	Cold-Drawn	80-100	25-50	35-55	88 Max
Plate	Hot-Rolled	80-105	30-50	35-55	65-85
Sheet	Cold-Drawn	80-100	30-45	35-55	88 Max

In what form is Inconel 600 Available?

- Sheet
- Plate
- Bar
- Pipe & Tube (welded & seamless)
- Fittings
- Wire

Inconel 600 Steel Pipe Tube



Specifications of Inconel 600 pipe

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

Inconel 600 Steel Plate



Specifications of Inconel 600 Alloy 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

inconel 600 steel bar



Specifications of inconel 600 bar

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



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



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.