



HENAN SHENG HE PIPE INDUSTRY CO., LTD

WEB: [WWW.SHPIPEINDUSTRY.COM](http://WWW.SHPIPEINDUSTRY.COM)

TEL/WHATSAPP: 0086 - 18837185745

## Inconel 601-UNS N06601

Henan Sheng He Pipe Industry Co., Ltd., have an experience spanning for over ten years, producing and supplying best-in-class products, minimize cost by getting manufacturing processes under one roof and delivering consignments on a daily basis only because of a diligent and dedicated team. We are manufacturers, suppliers and exporters of Inconel 601 material.

**Common Trade Names:** Inconel 601, Pyromet 601, Nicrofer 601

Inconel 601 is a standard engineering material that has great resistance to heat and corrosion. Inconel 601 also has high strength and good workability with excellent metallurgical stability and a high resistance to carburization. Inconel 601 is hardened and strengthened through a cold work process.

### Inconel 601 Available Formats

Sheng He Pipe Industry offers Inconel 601 in a variety of forms, including:

- Bar
- Wire
- Sheet
- Plate
- Forgings
- Pipe fittings
- Flanges
- Seamless & Welded pipe
- Seamless Tube & Welded tube
- Weld Rod

Inconel 601 sheet is available in thicknesses ranging from .010 to .120".

Inconel 601 strip in coil form is available in lighter gauges up 24" wide. Inconel 601 plate is available up 2" thick.

Inconel 601 bar is available in wrought bar up to 3" diameter and larger sizes



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and shapes may be forged to order.

Inconel 601 seamless pipe is available up to 4" NB. Larger sizes are available in welded construction (100% X-ray) and can also be fabricated to order.

Inconel 601 tubing is not commonly available, but can be produced to order.

Redrawn tubes and tubing with tight tolerances can be supplied in almost any size no matter how small the size or quantity.

## ASTM Specifications

ASTM (American Society for Testing and Materials) for various products made out of Inconel 601 are as follow

| Pipe<br>Seamless | Pipe<br>Welded | Tube<br>Seamless | Tube<br>Welded | Sheet/Plate | Bar  | Forging | Fitting | Wire |
|------------------|----------------|------------------|----------------|-------------|------|---------|---------|------|
| B167             | B517           | B167             | -              | B168        | B166 | B564    | B366    | B166 |

## Chemical Composition, %

| Ni   | Cr   | Al  | C   | Mn | Si | Fe |
|------|------|-----|-----|----|----|----|
| 61.5 | 22.5 | 1.4 | .05 | .3 | .2 | 14 |

## Mechanical Properties - Typical room temperature Properties

| Tensile (psi) | .2% Yield (psi) | Elongation (%) |
|---------------|-----------------|----------------|
| 80,000        | 30,000          | 35             |