



## Hastelloy B-2

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 Hastelloy B-2 material.

**Common Trade Names:** Hastelloy B2, Nimofer 6928

Hastelloy B-2 is a nickel-base wrought alloy with excellent resistance to hydrochloric acid at all concentrations and temperatures. Therefore, it has great resistance to stress-corrosion cracking and pitting. Hastelloy B-2 also features hydrochloric acid resistance at all concentrations and temperatures

This nickel alloy provides excellent resistance to hydrochloric acid at all concentrations and temperatures. In addition, Hastelloy B2 has excellent resistance to pitting, stress corrosion cracking and to knife-line and heat-affected zone attack. Alloy B2 provides resistance to pure sulfuric acid and a number of non-oxidizing acids..

### Hastelloy B-2 Available Formats

Henan Sheng He Pipe Industry offers Hastelloy B-2 in a variety of forms, including:

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



## ASTM Specifications

ASTM (American Society for Testing and Materials) for various products made out of Hastelloy B-2 are as follow

Pipe Seamle ss	Pipe Welde d	Tube Seamle ss	Tube Welde d	Sheet/Pla te	Bar	Forgin g	Fittin g	Wir e
B622	B619	B622	B626	B333	B33 5	B564	B366	—

What are the characteristics of Hastelloy B2?

- Great resistance to stress corrosion cracking and pitting
- Significant resistance to reducing conditions like hydrogen chloride, sulfuric, acetic and phosphoric acids
- Resistance to hydrochloric acid at all concentrations and temperatures

## Chemical Composition, %

Ni	Mo	Fe	C	Co	Cr	Mn	Si
Balance	26.0-30.0	2.0 max	.02 max	1.0 max	1.0 max	1.0 max	.10 max
P	S						
.040 max	.030 max						

## Mechanical Properties (Annealed Material)

Product	Tensile Min. (ksi)	.2% Yield Min. (ksi)	Elongation Min.
Rod & Bar	110	51	40
Sheet/Plate	110	51	40
Welded Pipe & Tube	110	51	40
Seamless Pipe & Tube	110	45	40