

Ni-Mo alloy **Hastelloy B/B2**, the carbon and silicon content is extremely low, reducing the HAZ carbon and other impurities precipitation, so the weld has sufficient corrosion resistance.

Alloy **Hastelloy B/B2** in the reduction of medium with very good corrosion resistance, such as a various temperature and concentration of hydrochloric acid. In the middle of the concentration of sulfuric acid solution (or contain a certain amount of chloride ions) also has very good corrosion resistance. At the same time Hastelloy B/B2 can be used to acetic acid and phosphoric acid environment.

### Hastelloy B/B2 Specifications

Grade	UNS	W.Nr
Hastelloy B	N10001	--
Hastelloy B2	N10665	2.4617

### Hastelloy B/B2 Chemical Composition

Grade	%	Ni	Mo	Fe	Cr	Co	C	Mn	V	Si	P	S
Hastelloy B	Min.	Bal	26	4					0.2			
	Max.		30	6	1	2.5	0.05	1	0.4	1	0.04	0.03
Hastelloy B-2	Min.	Bal	26	2								
	Max.		30	7	1	1	0.02	1		0.1	0.04	0.03

### Hastelloy B/B2 Mechanical properties: (Minimum value at 20°C)

Grade	Tensile Strength $\sigma_b$ /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation $\sigma_5$ /%
<b>Hastelloy B/B2</b>	$\geq 690$	$\geq 310$	$\geq 40$

### Hastelloy B/B2 Standards

Bar	Forging	Sheet/Strip	Pipe
ASTM B335	ASTM B564	ASTM B333 ASTM B906	ASTM B622 ASTM B619 ASTM B775 ASTM B751

### Hastelloy B/B2 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia 1.0-300mm
- Strip(Coil): 0.2-20mm TCK x 10-300mm W
- Sheet: min.0.7mm TCK x 1200mm W max.
- Tube & Forging & Machine Parts: customized
- Welding wire: 0.8mm,1.0mm,1.2mm,2.0mm,2.4mm,3.2mm,3.8mm,4.0mm etc
- Welding Strip: 0.4-0.7mm TCK x 25-60mm W