

**Hastelloy C-276** is a tungsten-added nickel-molybdenum-chromium alloy designed to offer excellent corrosion resistance in wide range of severe environments. C-276 is widely used in the chemical field and petrification field, such as the element of chloride organic and catalyzes system. This Alloy is especially suit for high temperature environment, impure inorganic acid and organic acid (such as formic acid and acetic acid), sea-water corrosion environment.

### Hastelloy C-276 Specification

Grade	UNS	W.Nr
Alloy C276	N10276	2.4819

### Hastelloy C-276 Chemical composition

Grade	%	Ni	Cr	Mo	Fe	W	Co	C	Mn	Si	V	P	S
<b>Alloy C-276</b>	Min	Bal.	14.5	15	4	3							
	Max		16.5	17	7	4.5	2.5	0.01	1	0.08	0.35	0.04	0.03

### Hastelloy C-276 Mechanical properties: (Minimum value at 20°C)

Tensile Strength $\sigma_b$ /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation $\sigma_5$ /%
$\geq 690$	$\geq 283$	$\geq 40$

### Hastelloy C-276 Standard

Bar/Rod	Forging	Sheet/Strip	Wire	Pipe/Tube
ASTM B574	ASTM B564	ASTM B575	—	ASTM B622 ASTM B983 ASTM B619 ASTM B626

### Hastelloy C-276 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia1.0-300mm
- 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