

# TECHNICAL DATA

## Hastelloy C276

Hastelloy is one of the most versatile nickel alloys, offering excellent resistance to strong reducing and moderately oxidizing corrosive acids and chemicals. C276 fasteners provide exceptional resistance to hot sulfuric and hydrochloric acid. Hastelloy's resistance to sulfuric acid makes it a common choice for protection from hydrogen sulfide (sour gas). In addition, Hastelloy C276 bolts are one of the few grades resistant to wet chloride gas and chlorine dioxide.

### Properties

Ultimate Tensile Strength	107ksi
Yield Strength at 0.2%	49ksi
Elongation %	72
Usable Temperature Limit	1500°F / 815°C

### Key Benefits

- Well suited for hydrochloric acid and sulfuric acid
- Excellent resistance harsh chemicals including chlorides, solvents, formic and acetic acids, acetic anhydride, wet chlorine gas, chlorine solutions and phosphoric acid
- Exceeds resistance of most nickel alloys including Inconel and Monel

### Chemistry & Specifications

Hastelloy C276	Ni	Mo	Cr	Fe	W	Co	Mn	V	Si	P	S	C
Min %	BAL	15.0	14.5	4.0	3.0	-	-	-	-	-	-	-
Max %		17.0	16.5	7.0	4.5	2.50	1.00	0.35	0.08	0.04	0.03	0.01

SPECIFICATIONS: N10276, ASTM B574, ASME SB574, Werkstoff 2.4819, ASTM G28-A/B, EN 10204-3.1, ASME B18.2.2, ASTM B619, ASME SB619, ASTM B366, ASME SB366, WPHC276, ASME B16.11, ASTM B564/ASME SB564, COLD DRAWN, HOT FINISHED, ASTM B575, ASME SB575, COLD ROLLED, HOT ROLLED, ASME B16.9, ASME B16.5, ASTM B462, ASME SB462

### Material Data