



## Hastelloy ® Alloy C276

Hastelloy Alloy C276 is a Nickel-Molybdenum-Chromium alloy, with an addition of Tungsten, which offers excellent corrosion resistance in a wide range of applications. The high Molybdenum content helps towards Alloy C276's resistance to pitting, crevice and stress corrosion cracking and good resistance to wet chlorine.

Alloy C276 is used in a variety of applications including pulp & paper processing, flue gas desulfurization systems, chemical plants, chemical mixers, heat exchangers, evaporators, and other acidic environments.

### Hastelloy Grades & Equivalents:

- Hastelloy C276 ®
- ASTM B574 N10276
- ASME SB574 N10276
- ASTM B564 N10276
- ASME SB574 N10276
- Werkstoff 2.4819
- UNS N10276
- Alloy C276

### Typical Chemical Analysis

C	Si	Mn	P	S	Cr	Ni	Mo
0.010	0.08	1.00	0.040	0.030	14.5-16.5	Balance	15.0-17.0
W	N	Cb/Nb	Ti	Co	Cu	Al	B
3.0-4.5				2.5			
V	Fe	Mg	Ta	Ca	O	Bi	Se
0.35	4.0-7.0						
Sn	Zn	Pb	Y	Cb/Nb + Ta	Ni + Co	H	PREN

### Typical Mechanical Properties

Tensile Strength	690 N/mm <sup>2</sup> min
0.2% Proof Stress	283 N/mm <sup>2</sup> min
Elongation	40%
Reduction of Area	
Hardness	
Impacts	
Stress Rupture	
Other Remarks	

### Product Forms Available:

- Hexagon Head Bolts
- Hexagon Nuts
- Studbolts
- Socket Capscrews
- Socket Countersunk Screws
- Socket Setscrews
- & Many other special fasteners and bespoke machined parts

Products can be produced to customer drawings or relevant British (BS), American (ASME, ANSI), European (DIN, UNI) or International Standards (ISO).

The size ranges M3 to M120 Metric and 3/16" to 4.75" Imperial can be supplied. Thread forms include UNC, UNS, UNF, BSW, BSF, Whitworth, Metric, Metric Fine.



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