

C	Co	Cr	Fe	Mn	Mo	Ni	P	S	Si	V	W
MAX	MAX			MAX			MAX	MAX	MAX	MAX	
0.01	2.5	14.5-16.0	4.0-7.0	1.0	15.0-17.0	BAL	0.04	0.03	0.08	0.35	3.0-4.5

CHEMICAL COMPOSITION %

DESCRIPTION

Alloy C-276 is an improved wrought version of Alloy C and has the same excellent corrosion resistance as that material but has greatly improved fabricability. It can be hot worked and cold formed by conventional procedures. It can be joined by all of the common welding methods and resists the formation of grain boundary precipitates in the weld-affected zone, thus making it suitable for most chemical process applications in the as-welded condition. It resists pitting and stress-corrosion cracking and is resistant to oxidation at temperatures up to 1900 F.

DESIGN FEATURES

- Outstanding corrosion resistance and oxidizing environments.
- Excellent resistance to pitting and stress-corrosion cracking.
- Maintains corrosion resistance in welded joints.

AVAILABILITY		SPECS
WELD PIPE	1/2" - 12"	B619, B622
BUTT-WELD FITTINGS	1/2" - 12"	B366
FLANGES	1/2" - 12"	B574, B564,
		B16.5
VALVES	1/2" - 8"	
TUBING		B622, B516, B626
BAR	1" - 9"	B574, B564
PLATE AND SHEET	3/16" - 1"	B575
FORGINGS		B564, B462

TYPICAL APPLICATIONS

Chemical processing
 Pollution control
 Pulp and paper
 Other severe environments and/or conditions.

TENSILE REQ

Tensile Strength	(KSI) 85
Yield Strength	(KSI) 35

KSI can be converted to MPA (Megapascals) by multiplying by 6.895.