

AVAILABILITY

Weld Pipe 1/2"-12"
Butt-Weld Fittings 1/2"-12"
Flanges 1/2"-12"
Valves 1/2"-8"
Bar 1"-9"

SPECIFICATIONS

ASTM B619, B366, B564,
B574
ASME SB619, SB366, SB564,
SB574

CHEMICAL COMPOSITION %

C	Co	Cr	Fe	Mn	Mo	Ni	P	S	Si	V	W
Max	Max			Max			Max	Max	Max	Max	
0.01	2.5	14.5-16.5	4.0-7.0	1.0	15.0-17.0	Bal	0.04	0.03	0.08	0.35	3.0-4.5

DESCRIPTION

Alloy C-276 is an improved wrought version of Alloy C and has the same excellent corrosion resistance as the 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.

TYPICAL APPLICATIONS

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

TENSILE REQUIREMENTS

Tensile Strength (KSI)	Yield Strength (KSI)
100	41

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