



## ALLOY C276

### Description

A nickel-molybdenum-chromium alloy with an addition of tungsten used in chemical processing, pollution control, waste treatment, and pulp and paper production. The carbon content in alloy C-276 minimizes the carbide precipitation during welding to keep corrosion resistance in as-welded structures. The high molybdenum content makes C-276 particularly resistant to pitting and crevice corrosion.

### Forms Available

- Pipe
- Fittings
- Flanges
- Plate
- Bar
- Forging

### Specifications

UNS N10276

|             |               |
|-------------|---------------|
| Welded Pipe | ASTM/ASME 619 |
| Smls Pipe   | ASTM/ASME 622 |
| Flanges     | ASTM/ASME 564 |
| Fittings    | ASTM/ASME 366 |
| Plate       | ASTM/ASME 575 |
| Bar         | ASTM/ASME 574 |

### Limiting Chemical Composition, %

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