

Nickel C276, often referred to simply as Hastelloy C-276, is a nickel-molybdenum-chromium alloy celebrated for its remarkable resistance to some of the most aggressive corrosive environments found in industry. Its balanced chemistry allows it to withstand pitting, crevice corrosion, and stress-corrosion cracking in both oxidizing and reducing conditions—something very few alloys can achieve simultaneously. C276 maintains strength and stability across a wide temperature range, making it a trusted material for chemical processing, pollution control, oil and gas systems, and high-purity industrial applications. Its reliability in environments where other alloys fail has earned it a reputation as one of the most versatile and corrosion-resistant nickel alloys available today.

Products & Sizes

Precision Reroll Strip

0.0008" - 0.015"

C276 Chemical Composition

	Element	Percent by Weight Min	Percent by Weight Max
Ni	Nickel	57	-
Co	Cobalt	-	2.5
Cr	Chromium	16	-
Mo	Molybdenum	16	-
Fe	Iron	5	-
W	Tungsten	4	-
Mn	Manganese	-	1
V	Vanadium	-	0.35
Si	Silicon	-	0.08
C	Carbon	-	0.01
Cu	Copper	-	0.5

Industry Standards

Industry Applications

- Reactors
- Heat exchangers
- Pressure vessels
- Downhole tubing
- Stack liners and ducting
- Geothermal plant components
- Pump housings

Physical Properties

Mechanical Properties