



INCONEL 625

Description

Used in aerospace and marine engineering, pollution-control equipment, chemical processing, and nuclear reactors, Inconel 625 is especially resistant to pitting and crevice corrosion. A nickel-chromium-molybdenum alloy with an addition of niobium that works with the molybdenum to stiffen the alloys matrix providing high strength without a strengthening heat treatment.

Forms Available

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

Specifications

UNS N06625	
Welded Pipe	ASTM/ASME 705
Smls Pipe	ASTM/ASME 444
Flanges	ASTM/ASME 564
Fittings	ASTM/ASME 366
Plate	ASTM/ASME 424
Bar	ASTM/ASME 425

Limiting Chemical Composition, %

Ni...58.0 min.	C...0.10 max.
Cr...20.0 – 23.0.	Mn...0.50 max.
Mo...8.0 – 10.0	Si...0.50 max.
Nb+Ta...3.15–4.15	S...0.015max.
Fe...5.0 max.	P ...0.015 max.
Ti...0.40 max.	Al...0.40 max.