

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 in Stock

- Pipe
- Fittings
- Flanges

Specifications

UNS N06625

Smls Pipe	½"-8"	10s, 40s, 80s	ASTM/ASME 167
B/W Fittings	½"-8"	10s, 40s, 80s	ASTM/ASME 366
Flanges	½"-8"	150#, 300#, 600#	ASTM/ASME 564

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...0.015 max.
Fe...5.0 max.	P...0.015 max.
Ti...0.40 max.	Al...0.40 max.