



INCONEL 825

Description

Incoloy 825 has excellent resistance to both oxidizing and reducing acids, pitting and crevice corrosion, as well as stress-corrosion cracking. Incoloy 825 is a nickel-iron-chromium alloy with additions of molybdenum and copper used for oil and gas well piping, chemical processing, nuclear fuel reprocessing, acid production, pollution-control equipment, and pickling equipment.

Forms Available

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

Specifications

UNS N08825	
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...38.0-46.0	Ti...0.6-1.2	Al...0.02 max.
Fe...22.0min.	C...0.05max.	
Cr...19.5-23.5	Mn...1.0max.	
Mo...2.5-3.5	S...0.03 max.	
Cu...1.5-3.0	Si...0.5 max.	