

INCOLOY 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 in Stock

- Pipe
- Fittings
- Flanges

Specifications

UNS N08825

Welded Pipe	8"-12"	10s, 40s	ASTM/ASME 705
Smls Pipe	½"-8"	10s, 40s, 80s, 160, XXH	ASTM/ASME 423
B/W Fittings	½"-12"	10s, 40s, 80s	ASTM/ASME 366
Flanges	½"-12"	150#, 300#	ASTM/ASME 564

Limiting Chemical Composition, %

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