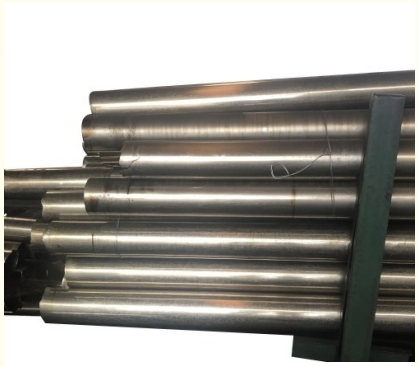
ASTM B423 N08825 Nickel Iron Alloy Pipe Chromium Molybdenum Seamless Welded

Our Product Introduction

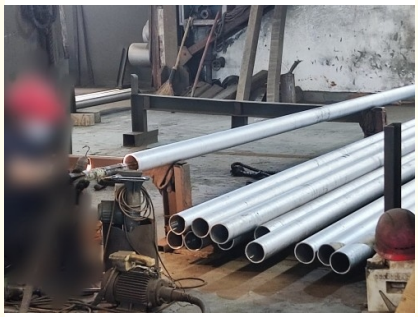
Basic Information

- Place of Origin: Wenzhou,China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: Nickel Alloy N08825
- Minimum Order Quantity: MOQ500kg
- Packaging Details: Seaworthy Standard Package
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: L/C, D/P, T/T, Western Union
- Supply Ability: 5000 Ton/Tons per Month



Product Specification

- NPS: 1/8"-24"
- Payment Term: 30%TT Advance + 70% Balance
- Wall Thickness: SCH10S,SCH40, SCH XS, SCH 60,SCH80S,SCH12020,SCH1160,SCH
- Delivery Time: 15-21 Days
- Application: Valves And Gears,Engine Components,High Strength And Boat Propeller Shafts,Plastic Moulding Dies
- Section Shape: Round
- Finished: Solution Annealed Condition,annealed Condition
- Price Term: FOB CIF CFR EXW Etc.
- Highlight: **ASTM B423 Nickel Alloy Pipe**, **Seamless Nickel Iron Alloy Pipe**, **N08825 Nickel Alloy Pipe**



Product Description

Overview

Incoloy 825 (Nickel Alloy 825 or UNS N08825) is a nickel-iron-chromium alloy with additions of molybdenum, copper and titanium. It is high Nickel content material with minimum Ni 38% to 46%, combined with small value of Mo, Cu and Ti gives Incoly 825 enhanced corrosion resistance to many corrosive environments. It can provide high levels of corrosion resistance to both moderately oxidizing and moderately reducing environments. This balance of alloying elements grants this alloy exceptional resistance to both chloride stress corrosion cracking, as well as crevice corrosion and general corrosion. Chloride stress corrosion cracking is a type of localised intergranular corrosion on materials that are put under tensile strength, in high temperatures and in an environment that includes oxygen and chloride ions such as seawater. The addition of titanium in this alloy also helps to stabilize the alloy against intergranular corrosion. Like other austenitic, nickel alloy, Alloy 825 is ductile over a wide range of temperatures from cryogenic to well in excess of 1000 °F (538 °C).

Chemical composition

Nickel	Chromium	Iron	Manganese	Carbon	Copper	Silicon	Sulfur	Aluminum	Titanium	Molybdemum
38.0-46.0	19.5*23.5	22.0min	1.0max	0.05max	1.5-3.0	0.5max	0.03max	0.2max	0.6-1.2	2.5-3.5

Mechanical Properties

Alloy	Condition and size	Tensile Strength min,ksi(Mpa)	Yield Strength 0.2% offset,min,ksi(Mpa)	Elongation in 2 in or 50 mm(4D),min
UNS N08825	hot-finished annealed	75(517)	25(172)	30
UNS N08825	cold-worked annealed	85(586)	35(241)	30

Application

Chemical processing components
Oil and gas piping, recovery
Acid production
Pickling tank heaters, tanks, and equipment
Pollution control equipment
Hot vessels for food, water, and seawater
Nuclear fuel reprocessing
Radioactive waste handling

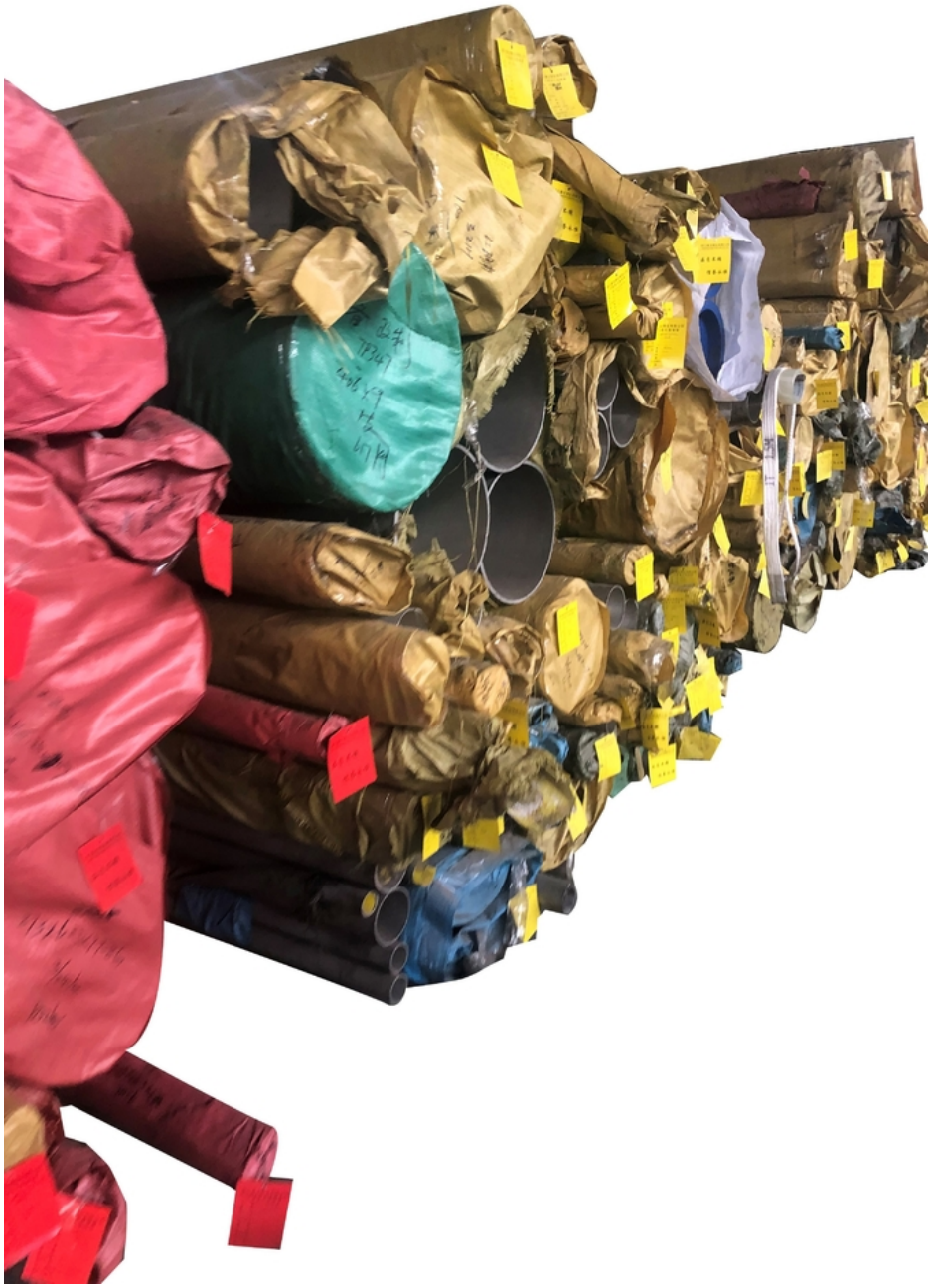
Advantage

Excellent resistance to both reducing and oxidizing acids like sulfuric and phosphoric Helps avoid stress-corrosion cracking
Stops localized attacks such as pitting and crevice corrosion
High level of resistance to variety of oxidizing substances such as nitric acid, nitrates, and oxidizing salt
Chromium content confers resistance to a variety of oxidizing substances such as nitric acid, nitrates and oxidizing salt.
Molybdenum offers aids resistance to pitting and crevice corrosion.
Titanium addition with an appropriate heat treatment, to stabilize the alloy against sensitization to intergranular corrosion.

Why choose us

1.Size control
2.Chemical composition control
4.ultrasonic testing of steel tube
3.hydraulic testing machine

Package detail



Shipping

1.Packing type:Carton and wooden case,also be packged according to customer requirements.
2.Modes of transportation:by sea,by air or land transportaion,of course,a small amount can also by Express.

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