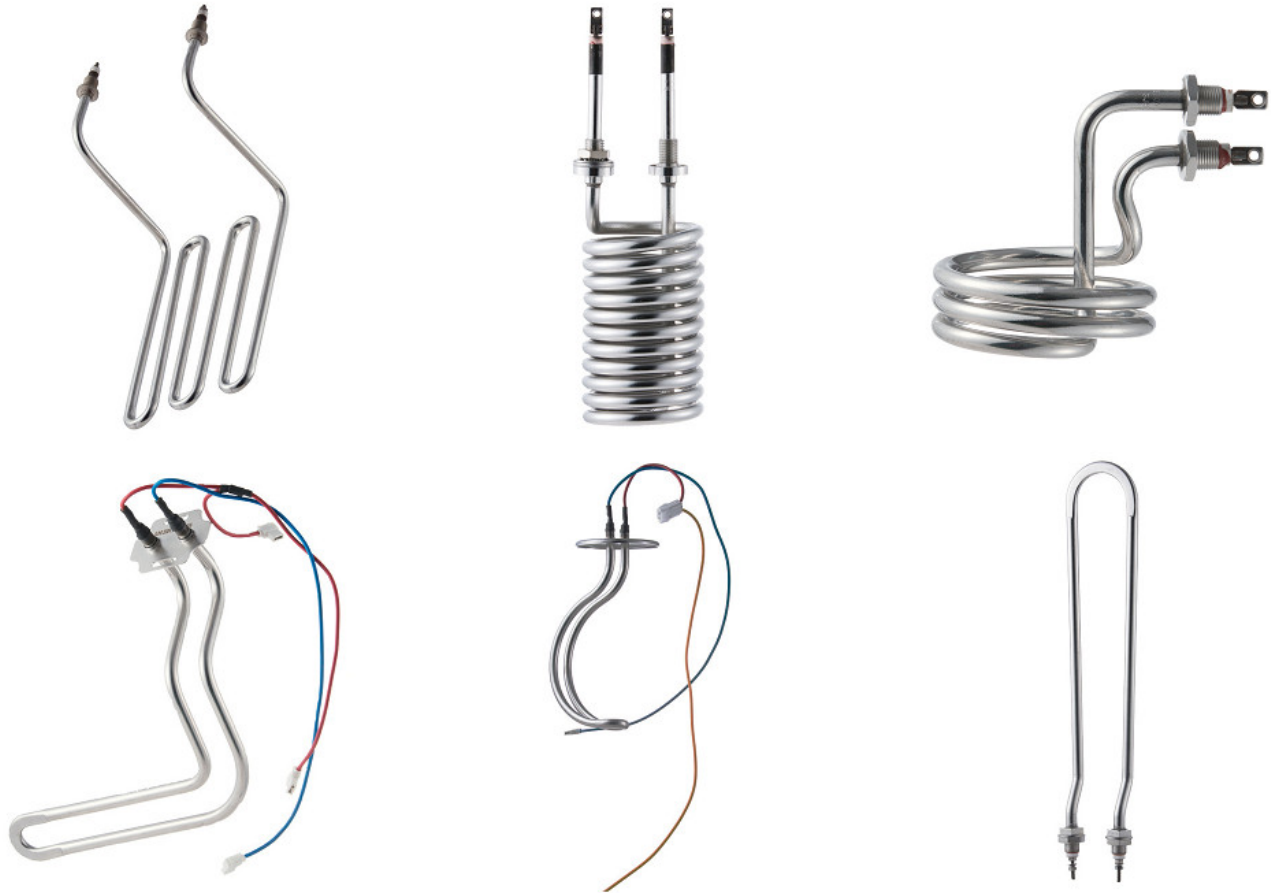


## INCOLOY 800,840



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The high-nickel steel contains more nickel than stainless steel and features superior heat and corrosion resistance °

Sino-Japan Electric Heater Co., Ltd., selects four types of high-nickel steel and makes sheath heaters according to user needs °

- INCOLOY840
- NAR-AH-1
- INCOLOY800
- INCONEL600
- NAS880



INCOLOY840 · NAR-AH-1 · INCOLOY800 · INCONEL600 · NAS880

## INCOLOY840

- Available diameter :  $\phi 5.20 \sim \phi 14.0$
- Details of contents : Ni 18.0 ~ 22.0, Cr 18.0 ~ 22.0, Ti 0.6MAX, Mn 1.0MAX, Fe Bal °
- Proper environment : Air heating °
- Limit service temperature(UL) : 880°C or less °

## Features

- Used very widely for burn-in-air heating °
- Has relatively high resistance against moist environments ° Recommended for users who do not need very high corrosion resistance

## Application examples

- Fish roasters ` microwave oven ranges ` hot plates ` can vending machine ` and heat accumulating heaters
- etc

## Precautions

- These heaters are prone to creat scale on pipe surfaces ` depending on the use environments
- High-nickel steel is hard material ` and the user should pay attention to the bending radius
- The bending radius standards also depend on the bending shapes such as U ` L ` etc



## NAR-AH-1

- Available diameter :  $\varnothing 6.6 \sim \varnothing 14.0$
- Details of contents : Ni 19.8, Cr 21, Si 1.0, Mn 0.3, Mo 2.0, Fe Bal °
- Proper environment : Multipurpose °
- Limit service temperature(UL) : 880°C or less °

## Features

- Contains the same quantity of nickel and chromium as Incoloy 840 °
- Recommended for applications at high temperature in salt-containing environments
- Contains 2% molybdenum and features superior corrosion resistance °
- Can be acid-washed or electrolytic-polished as surface processing when used for in-water heating only

## Application examples

- Fish roasters ` small calorifiers ` hot plates ` cup vending machines and tea dispensers

## Precautions

- NAR-AH-1 is hard material ` and the user should pay attention to the bending radius
- The bending radius standards also depend on the bending shapes such as U ` L ` etc



## INCOLOY800

- Available diameter :  $\phi 5.20 \sim \phi 14.0$
- Details of contents : Ni 30 ~ 35, Cr 19 ~ 23, Ti 0.15~0.6, Mn 1.5MAX, Fe Bal °
- Proper environment : Heating in water, Air heating °
- Limit service temperature(UL) : 880°C or less °

## Features

- Features superior corrosion resistance and wide applications in various conditions
- Can be used free from troubles if high corrosion resistance is required  
Recommended material
- Can be acid-washed or electrolytic-polished as surface processing when used for in-water heating only

## Application examples

- Fish roasters , microwave oven ranges , small calorifiers , dishwashers , drum washing machines , cup vending machines and heat accumulating heaters
- etc

## Precautions

- Incoloy 800 is hard material , and the user should pay attention to the bending radius
- The bending radius standards also depend on the bending shapes such as U , L , etc

## INCONEL600

- Available diameter :  $\varnothing 5.20 \sim \varnothing 14.0$
- Details of contents : Ni 72MIN, Cr 14 ~ 17, Mn 1.0MAX, Fe Bal °
- Proper environment : Air heating °
- Limit service temperature(UL) : 880°C or less °

## Features

- Contains 72% or more nickel ° Features the highest corrosion resistance °
- Suitable to applications in conditions where animal oil , soy sauce , salt , etc ° are splashed directly onto the heaters
- May be acid-washed or electrolytic-polished as surface processing when used for in-water heating only

## Application examples

- Fish roasters , meat roasters , and hot plates °
- etc

## Precautions

- It takes very long time to acquire this material since this is special material
- This is hard material, and the user should pay attention to the bending radius
- The bending radius standards also depend on the bending shapes such as U , L , etc

## NAS880

- Available diameter :  $\varnothing 5.20 \sim \varnothing 14.0$
- Proper environment : Air heating °
- Limit service temperature(UL) : 880°C or less °

## Features

- NASH880 contains more elements Cr and Mo compared to INCOLOY 800, which has better performance on pitting corrosion resistance
- Better crevice corrosion resistance, stress corrosion resistance and pitting corrosion resistance performance in chlorine contained environment

## Application examples

- Fish roasters ` microwave oven ranges ` small calorifiers ` dishwashers ` drum washing machines ` cup vending machines and heat accumulating heaters
- etc

## Precautions

- This is hard material, and the user should pay attention to the bending radius
- The bending radius standards also depend on the bending shapes such as U ` L ` etc