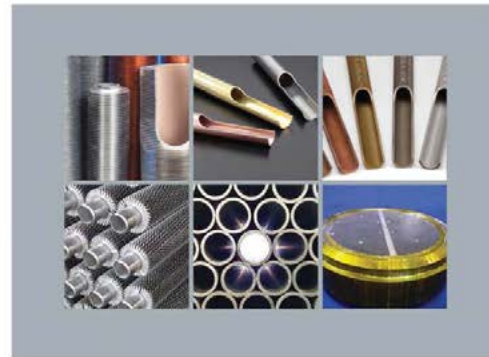


F o r a m u c h b e t t e r E n v i r o n m e n t

DRTC

Dae Ryung Technology Corporation



Fin Tube / Tubing & Piping Material /
U-Tube / Heat Exchanger / Pressure vessel parts

KOREA

Ministry of SMEs and Startups | **KBIZ** Korea Federation of SMEs

أديبك | **ADNOC** Host

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Abu Dhabi, United Arab Emirates



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Aluminum Finned Tube

We, DRTC, are one of the leading manufacturers for aluminum finned tube for Air cooled heat exchanger, Air cooled condenser, Air heater in field of Oil refinery, Petrochemical, Offshore and Power Plant. And we can supply aluminum extruded fin tubes with extension sleeve each tube end as per your requirement.



Product Range

- **Bare tube diameter :** 15.88mm-50.8mm
- **Fin pitch :** 5-12FPI
- **Fin height :** 6.35-25.4mm
- **Fin thickness :** 0.3 - 0.75mm
- **Length :** 20,000mm(Max.)
- ※ **Material**
- Tube :** Carbon, Carbon Alloy, Stainless, Duplex, Copper Alloy and Nickel Alloy etc.
- Fin :** Aluminum or Copper



Product lines

Embedded(G-fin)



1. Embedded "G" Type

The strip is embedded under the tension in a groove of the base tube. This fin tube is applicable to high temperature

- **Temp. 400°C(750°F)**

Footed(L-fin)



2. Footed "L" Type

The strip is wound under the tension around a base tube.

- **Temp. 130°C(270°F)**

Overlapped footed



3. Overlapped footed "LL" Type

Overlapped wound tension on L-fin. Economical alternative for extruded finned tube.

- **Temp. 165°C(330°F)**

Knurled(KL-fin)



4. Knurled "KL" Type

Knurled tubes enhance the bond of the L-fins.

- **Temp. 250°C(480°F)**

Extruded

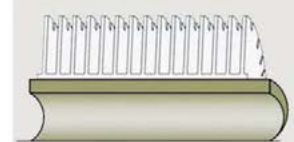


5. "Extruded" Type

Fins are integrally produced through a thread rolling process.

- **Temp. 285°C(545°F)**

Extruded Serrated



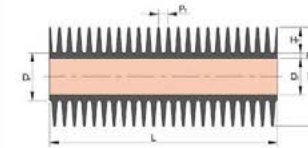
6. "Extruded serrating" Type

Thread rolled fins with longitudinal cutting and inclined fin tips.

- **Temp. 285°C(545°F)**

Copper & Copper Alloy High Fin

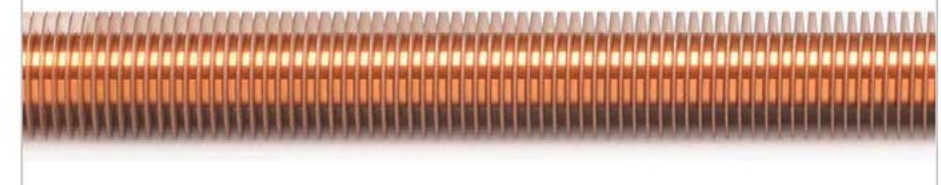
These Copper & Copper alloy high finned tube is integrally extended for the maximum surface area to achieve high tube efficiency. A good finned tube can be made by the strict conditions such as copper density, grain size and hardness. The heat transfer ratio of this high finned tube is about 8-9 times higher than other plain copper tube.



Dr : Outside diameter of bare tube
Df : Out diameter of finned section
Di : Inside diameter
Pt : Fin pitch
Hf : Fin height
Fw : Wall thickness of fin section
L : Finned tube length

Product Range

- **Bare tube diameter** 19mm-25mm
- **Pitch :** 5-9FPI
- **Fin height :** 7mm-11mm
- **Length :** 10,000mm(Max.)





Copper Alloy Tube & Pipe

We, DRTC, are a highly qualified manufacturer of Copper alloy tube and Pipe for the Oil refineries, Petrochemical industry, Natural gas plant, Ship-building, Power plant and Desalination plant.

For many years we have good experience in these areas and are able to supply our products in accordance with most international standards and customer's special requirements. We are confident that our high quality products will meet or exceed your expectation.



Low Finned Tube

This integral low finned tubes are widely used as heat transfer tubes because of their large external surface area and high heat transfer performance compared with a plain tube. This enhanced surface fin tubes allows our customers to either reduce the size of the heat exchanger or increase its performance.

The low finned tubes we manufacture are designed to meet the most efficient and durable thermal performance for the most challenging situations and long lasting service life.



Cu-Ni(C71500)



Aluminum Brass(C68700)



Admiralty Brass(C44300)



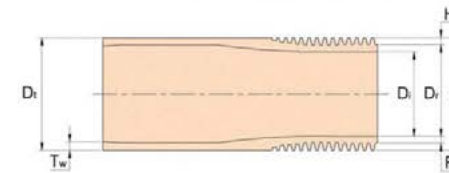
Cu-Ni (C70600) pipe

Product Range

- **Outside diameter** : 10mm-85mm
- **Wall thickness** : 0.5mm(Min.)
- **Length** : 27,000mm(Max.)
- **Product capacity per month** : 500Ton

Product Range(Tube & Pipe)

- Seamless tube and pipe**
- **Outside diameter** : 10.0mm- 250mm
 - **Wall thickness** : 0.5mm(Min.)
 - **Length** : 27,000mm(Max.)
 - **Product capacity per month** : 1,000Ton
- U-bend tube**
- smallest bending radius $\geq 2 \times$ tube O.D.



Product Range

- **Bare tube diameter** : 12.7mm - 38.1mm
- **Pitch** : 19 - 36 FPI
- **Fin height** : 0.7mm - 1.588mm
- **Length** : 18,000mm(Max)
- **Product capacity per month** : 100,000meter
- **Material** : Carbon, Stainless, Duplex, Copper & Copper Alloy etc.

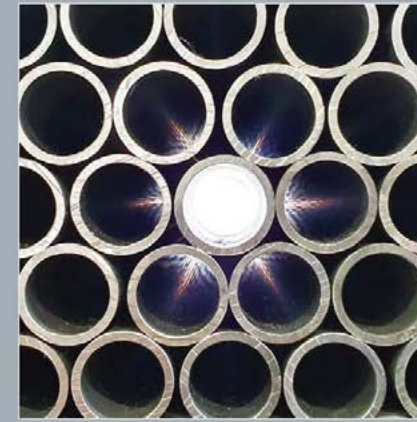
- Dt** : Outside diameter of plain end
- Df** : Diameter over fins
- Dr** : Root diameter of finned section
- Di** : inside diameter of finned section
- Tw** : Wall thickness of plain section
- Fw** : Root wall thickness of finned section
- Hf** : Finned height





High Frequency Welded Finned Tube

High frequency welded fin tube extend heat transfer surface that provides maximum efficiency in heat exchange applications from exhaust hot gas to a contained liquid process. Both solid and serrated fin tube is used for Heat recovery steam generator, Petrochemical, Boiler plants, Economizer, Gas cooler and Heat exchangers in a wide range of applications. Solid fin tube is recommended for contaminated gas streams where oil, coal, wood or other high fouling fuels are used. Serrated fin tube is primarily used in clean streams.



Carbon, Stainless Steel Tube & Pipes

We, DRTC, are one of the leading suppliers of carbon steel and stainless steel tube and pipes for Heat Exchanger, Boiler, Pipe lines for Oil refinery, Petrochemical, Power Plant and Shipbuilding area. We also supply U-bend tube to meet our customer request.

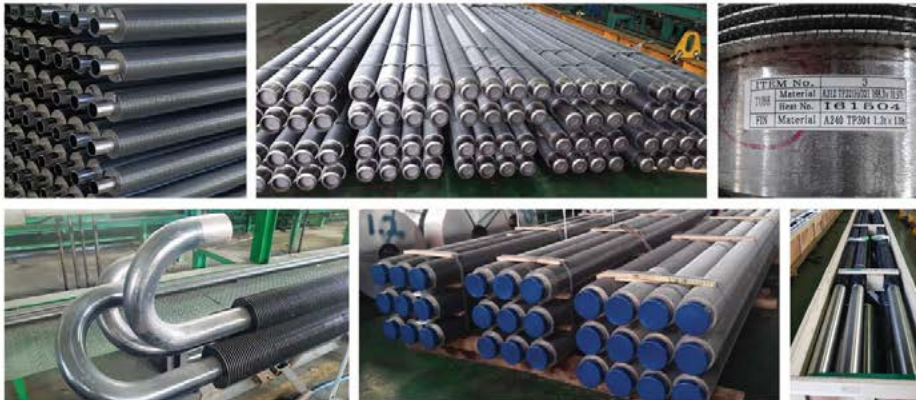


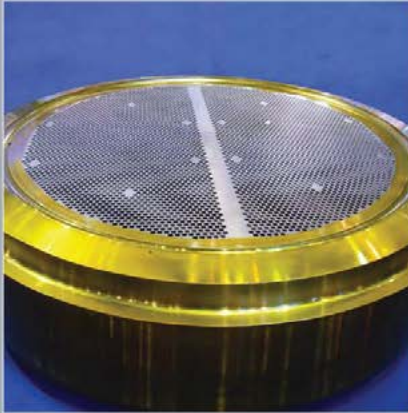
Product Range

- **Tube outside diameter** : 3/8inch – 8inch
- **Fin thickness** : 0.8mm – 3.2mm
- **Fin height** : 9mm – 38mm
- **Fin pitch** : 60FPM – 315FPM
- **Finning length** : 24,000mm(Max.)
- ※ **Material** : Carbon steel, Low alloy steel,
High grade corrosion resistant alloy steel,
Ferritic and austenitic stainless steel
& Non-ferrous metal.

Product Range

- **Outside diameter** : 10mm x 219.1mm
- **Wall thickness** : 0.89mm(Min)
- **Length** : 25,000mm(Max.)
- ※ **Material** : - Carbon & Alloy Steel(Seamless & Welded),
- Stainless & Duplex(Seamless & Welded)





Tube Sheet, Flange, Fittings

We, DRTC, are one of the leading suppliers of pressure vessel parts such as Tube Sheet, Baffle, Channel, Flange and Fittings as package units for Oil refinery, Petrochemical, Power Plant and Ship-building area. We can also supply the Overlay and Cladding items as per clients' requirement.



Product Range
(Based on Tube sheet)

- **Max. Diameter** : 5,000 mm
- **Max. Thickness** : 500 mm
- **Max. Weight** : 80 Ton
- **Material** : Carbon, Stainless, Copper Alloy, Nickel Alloy and Titanium etc.

Fittings

