

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



Dae Ryung Technology Corporation



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

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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.



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.

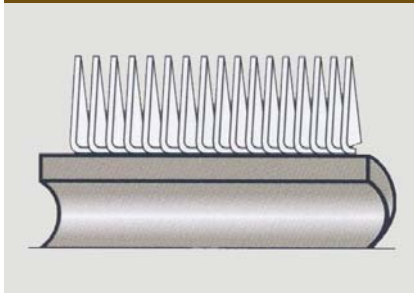
Fin : Aluminum or Copper



Embedded(G-fin)**1. Embedded “G” Type**

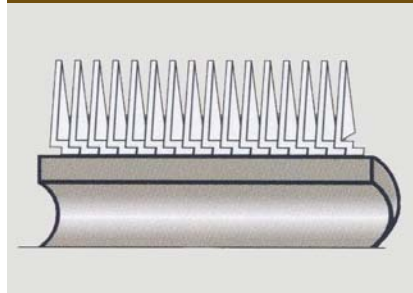
The strip is embedded under the tension in a groove of the base tube. This fin tube is applicable to high temperature

- Temp. 400°C(750°F)

Footed(L-fin)**2. Footed “L” Type**

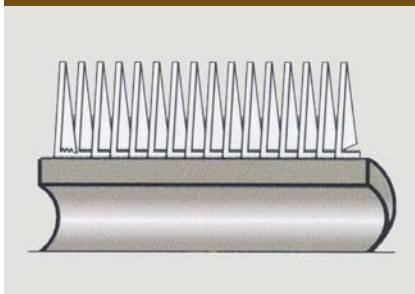
The strip is wound under the tension around a base tube.

- Temp. 130°C(270°F)

Overlapped footed**3. Overlapped footed “LL” Type**

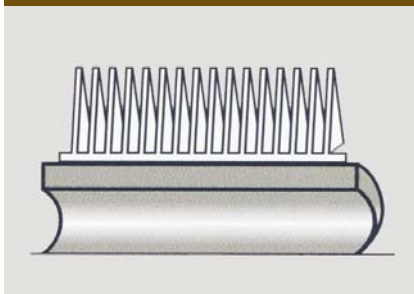
Overlapped wound tension on L-fin. Economical alternative for extruded finned tube.

- Temp. 165°C(330°F)

Knurled(KL-fin)**4. Knurled “KL” Type**

Knurled tubes enhance the bondage of the L-fins.

- Temp. 250°C(480°F)

Extruded**5. “Extruded” Type**

Fins are integrally produced through in thread rolling process.

- Temp. 285°C(545°F)

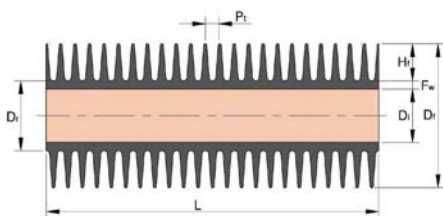
Extruded Serrated**6. “Extruded serrating” Type**

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 8~9times higher than other plain copper tube.



Dr : Outside diameter of bare tube

Df : Out diameter of finned section

Di : Inside diameter

Pt : Fin pitch

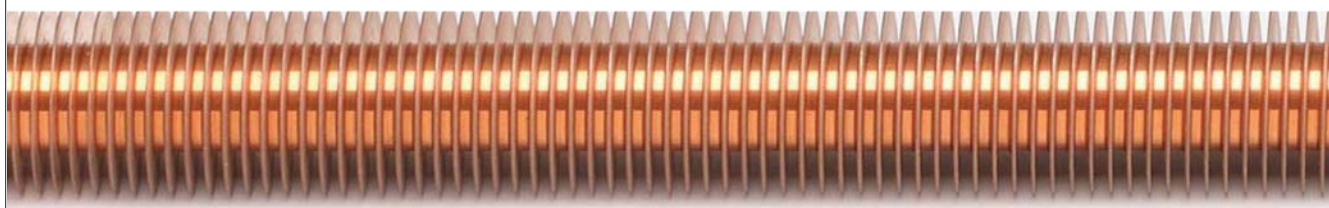
Hf : Fin height

Fw : Wall thickness of fin section

L : Finned tube length

Product Range

- **Bare tube diameter** 19mm~25mm
- **Pitch** : 5~9FPI
- **Fin heigh** : 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.



Cu-Ni(C71500)



Admiralty Brass(C44300)



Aluminum Brass(C68700)



Cu-Ni (C70600) pipe

Product Range

- **Outside diameter** : 10mm~65mm
- **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.



Low Finned Tube

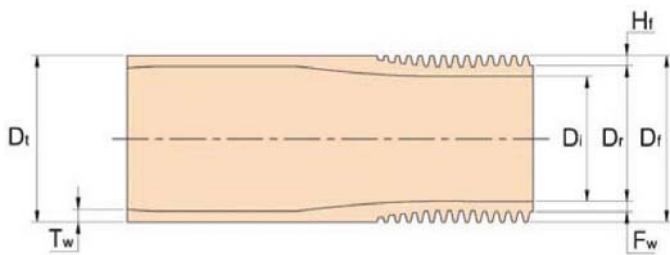
This integral low finned tubes are widely used as heat transfer tubes because of their large external surface area and high heat transfer performance compared with a plain tube. This enhanced surface fin tubes allows our customers to either reduce the size of the heat exchanger or increase its performance.

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.



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

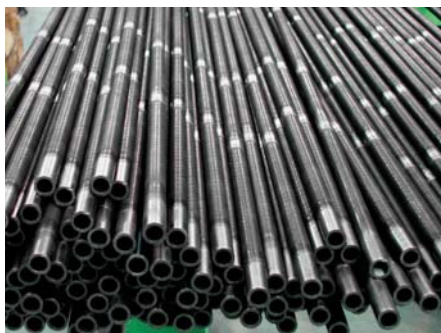
Dr : Root diameter of finned section

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

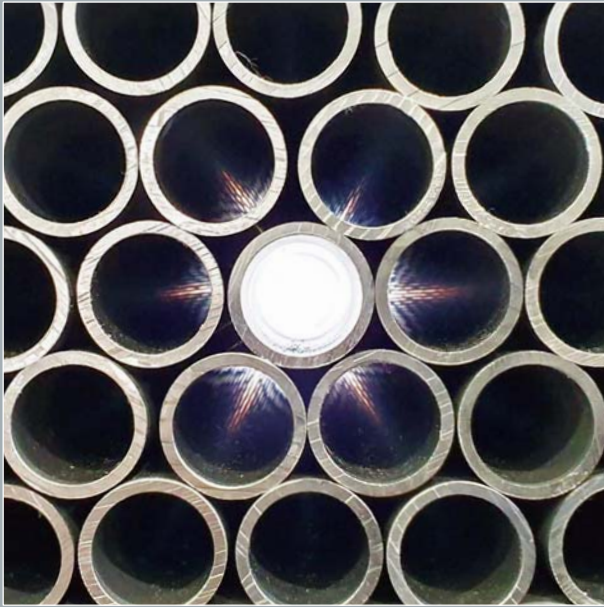
High frequency welded fin tube extend heat transfer surface that provides maximum efficiency in heat exchange applications from exhaust hot gas to a contained liquid process. Both solid and serrated fin tube is used for Heat recovery steam generator, Petrochemical, Boiler plants, Economizer, Gas cooler 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.



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.





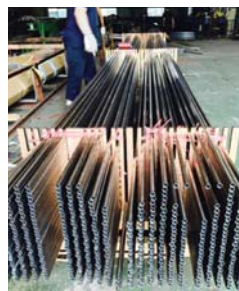
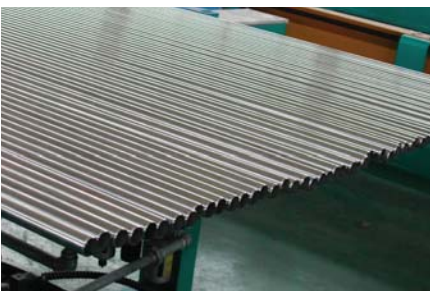
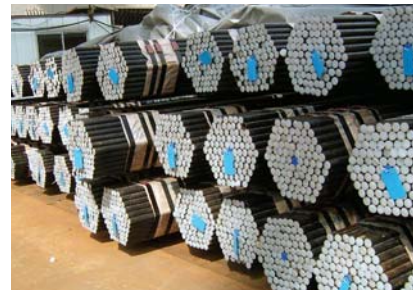
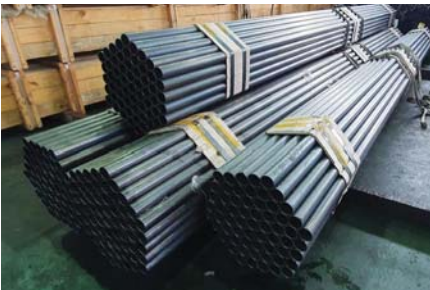
Carbon, Stainless Steel Tube & Pipes

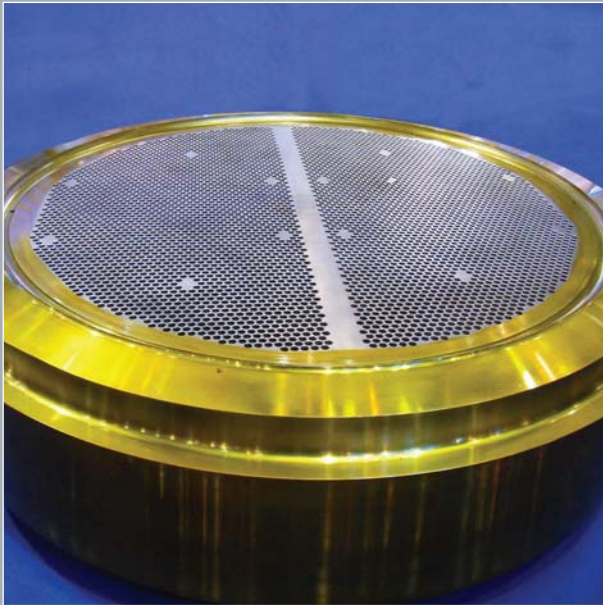
We, DRTC, are one of the leading suppliers of carbon steel and stainless steel tube and pipes for Heat Exchanger, Boiler, Pipe lines for Oil refinery, Petrochemical, Power Plant and Shipbuilding area.

We also supply U-bend tube to meet our customer request.

Product Range

- **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

