铸百年卓越海亮
创国际经典品牌
Forging an Everlasting Outstanding Hailiang
Creating an International Classical Brand

中国・海亮

海亮集团

www.hailiang.com
Reliability and supply of 5 mm copper tubes

1. HAILIANG Co., Ltd. Introduction

2. HAILIANG Products

3. Production Process

4. Product Specifications Range

5. Supply of 5 mm copper tubes

6. HAILIANG Contact
# ZHEJIANG HAILIANG Co., Ltd.

<table>
<thead>
<tr>
<th>Date</th>
<th>History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2001</td>
<td>Established, the former factory is Hailiang Copper Factory which set up in 1997.</td>
</tr>
<tr>
<td>16th. Jan. 2008</td>
<td>Shenzhen Stock Exchange public listing; the stock code is 002203.</td>
</tr>
<tr>
<td>31st. Dec. 2017</td>
<td>Staff: 6330 people; Total asset is 15.28 billion RMB; Annual revenue is 29.91 billion RMB.</td>
</tr>
</tbody>
</table>

## Listing Ceremony
Industrial Distribution

ZheJiang Copper Co., Ltd.

ShangHai Copper Co., Ltd.

AnHui Copper Co., Ltd.

GuangDong Copper Co., Ltd.

Hailiang(Vietam) Copper Manufacturing Co., Ltd.

Hailiang Otto Copper (Thailand) Co., Ltd.

Hailiang Otto Copper (GuangDong) Co., Ltd.

ChongQing Copper Co., Ltd.
2. HAILIANG PRODUCTS

LWC

INNER GROOVED

Insulated Copper Tubes

Pancake Coils

Capillary
Copper and Brass Fitting

Copper Water Tubes

Air Conditioning Straight Tubes

Plastic-Coated Copper Tubes

Copper Rod

Brass tube

Copper Aluminum Bar
3. Production Process

Melting → Casting → Milling  
  \[\text{Joint stretching} \rightarrow \text{Rolling}\]  
  \[\downarrow\]  
  \[\text{Stretch}\]  
  \[\downarrow\]  
  \[\text{Online Anealing}\]  
  \[\downarrow\]  
  \[\text{Internal thread forming}\]  
  \[\downarrow\]  
  \[\text{Rewind} \rightarrow \text{Online Eddy Current}\]  
  \[\downarrow\]  
  \[\text{Anealing}\]  
  \[\downarrow\]  
  \[\text{Packing}\]  
  \[\downarrow\]  
  \[\text{inner Grooved}\]  

Mature processing technology
Hailiang produces inner Grooved tubes as seamless inner grooved copper tubes. The forming technology is high-precision blank tube ultra-high speed spinning inner grooved forming.

4. Product Specifications Range

<table>
<thead>
<tr>
<th>O.D. (Inch)</th>
<th>Bottom Wall Thickness Tw</th>
<th>Fin Groove Depth Hf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inch</td>
<td>mm</td>
<td>Inch</td>
</tr>
<tr>
<td>0.1970</td>
<td>5</td>
<td>0.008 - 0.014</td>
</tr>
<tr>
<td>0.2363</td>
<td>6</td>
<td>0.008 - 0.014</td>
</tr>
<tr>
<td>0.2500</td>
<td>6.35</td>
<td>0.008 - 0.014</td>
</tr>
<tr>
<td>0.2750</td>
<td>7</td>
<td>0.010 - 0.016</td>
</tr>
<tr>
<td>0.3125</td>
<td>7.94</td>
<td>0.010 - 0.016</td>
</tr>
<tr>
<td>0.3750</td>
<td>9.52</td>
<td>0.010 - 0.016</td>
</tr>
</tbody>
</table>

- Apex Angle (Tolerance) $\pm 30 - 90^\circ$
- Helix Angle Deg (Tolerance) $15 - 30^\circ$
- Number of Tooth (Number) $40 - 70$

[Diagram of product specifications]
Hailiang (Vietnam) supply inner grooved copper distribution

Hailiang (Vietnam) currently produces 1200 tons/month of inner grooved, and it is estimated that by March 2019, a new 1,000-ton/month line will be added.
Zhejiang Hailiang Co., Ltd

Address:  Zhuji, Zhejiang, China

Zip code: 311814

URL:  http://www.hailiangstock.com

TEL:  0086-575-87063852  87063851

FAX:  0086-575-87067885  87069008

E-mail: foreigntrade@hailiang.com