

*PRODUCTS  
INTRODUCTION*



[Http://www.hailiang.com](http://www.hailiang.com)

# HAILIANG GROUP IN BRIEF

157<sup>th</sup> Of China's Top 500 Enterprises



## COMPANY PROFILE

157<sup>th</sup> of China's Top 500 Enterprises

17<sup>th</sup> of China's Top 500 Private Enterprises

No.72 the top 500 chinese manufacturing enterprise

No.92 china's 100 largest transnational corporation

Hailiang is one of the world's largest producers for copper and copper alloy products including tubing, rods fittings etc. In the past 20 years, the group has committed to Efficiency, Excellence, Quality and Service as four key elements. Being guided by Technology Oriented, Brand Building Strategy, International Business Focusing, and harmonious corporation culture, Hailiang has achieved continuous high speed growth. Presently, Hailiang has more than 9000 staff, and covers 48 subordinate enterprises. With copper manufacturing as the core business, Hailiang has developed into a group company covering real estate, education, nonferrous metal trade, machinery manufacturing, plumbing plastic pipe manufacturing and hotel business.

In 2012, Hailiang's comprehensive competence has ascended to NO. 157<sup>th</sup> among the top 500 enterprises in China. Hailiang will follow its direction of make super fine, make strong, make larger endeavoring to be the most competitive copper-processing multinational enterprises in the world.



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# HAILIANG

Having a capacity of water from hundreds of rivers  
Illuminating the five continents



Build Century HAILIANG  
Create World-Class Brand



## • COPPER TUBES

### Main Purposes:

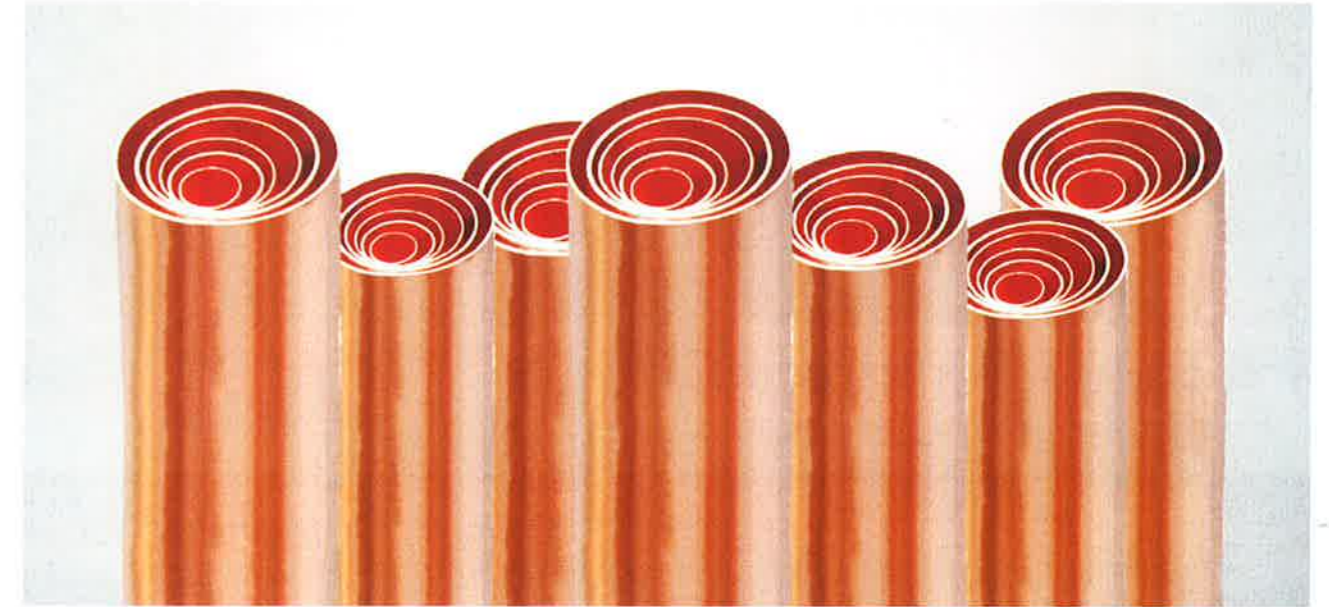
Water, Gas, Sanitation, Air Conditioning, Refrigeration, Fire Protection and General Purposes.



### ◆ Standard and Copper Alloy No.

Standard	Alloy No.	Temper				Chemical Composition Cu%	
JIS H3300	C1220	H	1/2H	OL	O	Minimum 99.90	
JISH3300							
BS2871	C106	H	1/2H	/	O		
EN12735-2	CU-DHP	Y0 80	/	Y0 40	Y0 35		
EN12735-1	or CW024A	R360	R290	R250	/		R220
EN1057		R360	R290	R250	/		R220
EN12449	CU-DHP	R360	R290	R250	/		R220/R200
	or CW024A	H110	H095	H070	/		H040
DIN	SF-Cu	F36	F25	F22	O		
ASTM	B68	/	/	O 50	O 60		
	B88	H58					
	B75	H80和H58	H55	O 50	O 60		
	B280	H58	/		O 60		
	B743-92a	H58	/	O 50	O 60		

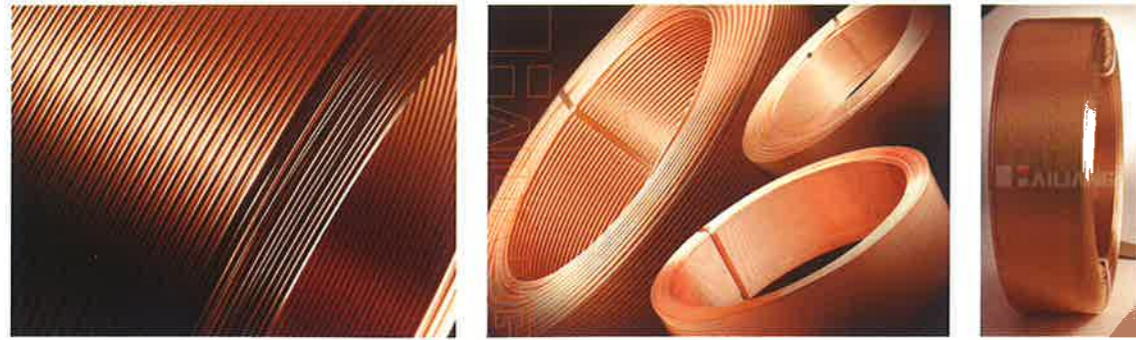
## • STRAIGHT TUBES SERIES



### ◆ Specifications

Thickness O.D.	0.013 " to 0.023 "	0.023 " to 0.031 "	0.031 " to 0.039 "	0.039 " to 0.047 "	0.047 " to 0.059 "	0.059 " to 0.078 "	0.078 " to 0.12 "	0.12 " to 0.16 "	0.16 " to 0.22 "	0.22 " to 0.27 "	0.27 " to 0.37 "
1/4 " to 1/2 "	O	O	O	O	O						
1/2 " to 3/4 "	O	O	O	O	O	O					
3/4 " to 1 "	O	O	O	O	O	O	O				
1 " to 1-3/8 "		O	O	O	O	O	O	O			
1-3/8 " to 1-1/2 "			O	O	O	O	O	O	O		
1-1/2 " to 1-19/20 "			O	O	O	O	O	O	O	O	
1-19/20 " to 2-1/2 "			O	O	O	O	O	O	O	O	
2-1/2 " to 2-3/4 "				O	O	O	O	O	O	O	O
2-3/4 " to 3-3/8 "				O	O	O	O	O	O	O	O
3-3/8 " to 4 "					O	O	O	O	O	O	O
4 " to 5-3/8 "						O	O	O	O	O	O
5-3/8 " to 6-1/4 "							O	O	O	O	O
6-1/4 " to 8-5/8 "								O	O		

## • LWC FOR ACR SERIES (PLAIN)



### ◆ Specifications(FOR REFERENCE ONLY)

O.D.		WALL THICKNESS		COIL WEIGHT	
mm	inch	mm	inch	kg	lbs
3.8	5/32	0.28-0.60	0.011-0.024	90-130 130-180 >180(as per customer's requirements)	200-300 300-400 >400(as per customer's requirements)
4.76	3/16	0.28-0.81	0.011-0.032		
6.35	1/4	0.28-1.07	0.011-0.042		
7.94	5/16	0.28-1.5	0.011-0.059		
9.52	3/8	0.28-1.5	0.011-0.059		
12.7	1/2	0.35-2.00	0.014-0.079		
15.88	5/8	0.46-2.00	0.018-0.079		
19.05	3/4	0.71-2.00	0.028-0.079		
22.22	7/8	0.89-2.00	0.035-0.079		

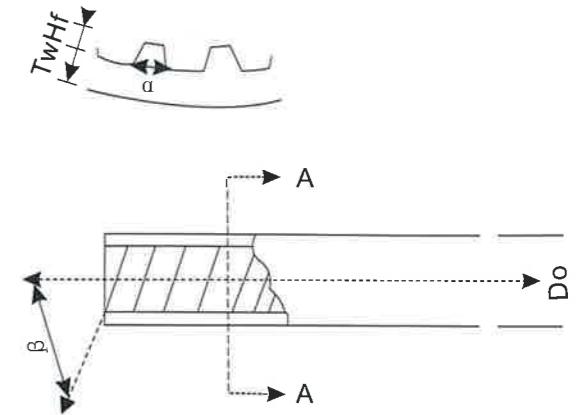
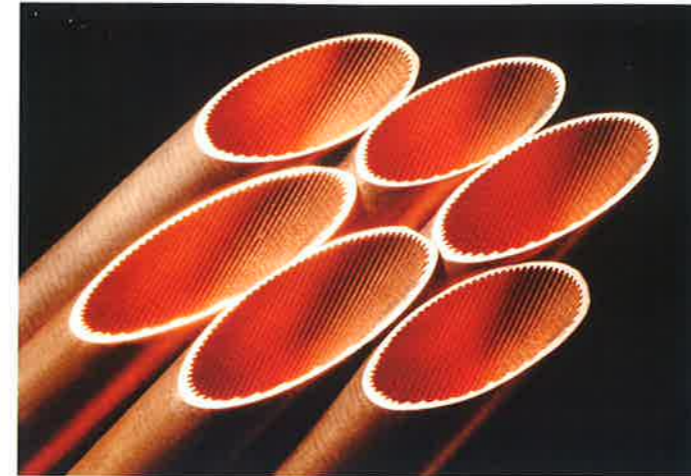
## • PANCAKE COILS SERIES



### ◆ Specifications

O.D(inch)	Thickness(inch)	Length(ft)
1/8 " to 1 1/8 "	0.014 " to 0.059 "	≤100

## • LWC FOR ACR SERIES (INNER GROOVED)



### ◆ Specifications(FOR REFERENCE ONLY)

Specifications	Unit weight	O.D	I.D	Bottom Wall Thickness Tw	Fin Groove Depth Hf	Total wall Thickness	Apex Angle	Helix Angle	Number of Tooth
φ 5.00×0.20+0.15-18°	33	5.00	4.30	0.20	0.15	0.35	40	18	40
φ 7.00×0.25+0.10-15°	52	7.00	6.30	0.25	0.10	0.35	40	15	65
φ 7.00×0.25+0.18-18°	57	7.00	6.14	0.25	0.18	0.43	40	18	50
φ 7.00×0.25+0.22-16°	58	7.00	6.06	0.25	0.22	0.47	22	16	54
φ 7.00×0.27+0.15-18°	60	7.00	6.16	0.27	0.15	0.42	53	18	60
φ 7.94×0.25+0.18-18°	65	7.94	7.08	0.25	0.18	0.43	40	18	50
φ 7.94×0.25+0.20-18°	66	7.94	7.04	0.25	0.20	0.45	40	18	50
φ 7.94×0.26+0.17-18°	66	7.94	7.08	0.26	0.17	0.43	40	18	50
φ 7.94×0.28+0.20-18°	72	7.94	6.98	0.28	0.20	0.48	40	18	50
φ 7.94×0.30+0.20-18°	76	7.94	6.94	0.30	0.20	0.50	40	18	50
φ 9.52×0.27+0.16-18°	82	9.52	8.66	0.27	0.16	0.43	30	18	70
φ 9.52×0.28+0.12-15°	80	9.52	8.72	0.28	0.12	0.40	53	15	65
φ 9.52×0.28+0.15-18°	83	9.52	8.66	0.28	0.15	0.43	53	18	60
φ 9.52×0.28+0.15-25°	88	9.52	8.66	0.28	0.15	0.43	90	25	65
φ 9.52×0.28+0.20-18°	85	9.52	8.56	0.28	0.20	0.48	25	18	55
φ 9.52×0.28+0.20-18°	88	9.52	8.56	0.28	0.20	0.48	40	18	60
φ 9.52×0.30+0.20-18°	90	9.52	8.52	0.30	0.20	0.50	30	18	60
φ 9.52×0.30+0.20-18°	94	9.52	8.52	0.30	0.20	0.50	53	18	60
φ 9.52×0.34+0.15-25°	104	9.52	8.54	0.34	0.15	0.49	90	25	65
φ 9.52×0.40+0.25-18°	123	9.52	8.22	0.40	0.25	0.65	40	18	60
φ 12.00×0.36+0.25-18°	140	12.00	10.78	0.36	0.25	0.61	40	18	70
φ 12.70×0.35+0.25-18°	155	12.70	11.50	0.35	0.25	0.60	53	18	70
φ 12.70×0.40+0.25-18°	170	12.70	11.40	0.40	0.25	0.65	53	18	70
φ 12.70×0.50+0.25-18°	201	12.70	11.20	0.50	0.25	0.75	53	18	75
φ 12.75×0.36+0.21/0.25-20°	150	12.75	11.53	0.36	0.25	0.61	48	20	70

## • PACKING WAYS(LWC)

	Packing ways	Wooden pallets	plates		Way of placing strings		Winding way		Hailiang	Neutral
			Cardboard Reels	Reels (I.D.Payout)	Draw from I.D.	Draw from O.D.	Clockwise	Anti-Clockwise		
Hailiang	General packing	☐	☐	☐		☐	☐	☐	☐	
	Simple Packing	☐					☐	☐	☐	
	Draw from I.D.Packing	☐		☐	☐		☐	☐	☐	
	General double pallets packing	☐	☐	☐			☐	☐	☐	
Neutral	General Packing	☐	☐	☐		☐	☐	☐		☐
	Simple Packing	☐		☐			☐	☐		☐
	Draw from I.D.Packing	☐			☐			☐		☐
	General double pallets packing	☐	☐	☐			☐	☐		☐



General Packing



Our production lines

## • BRASS STRAIGHT TUBE



### Main Purposes:

Buildings, Sanitation,  
Marine, Desalt Sea Water  
Seawater Desalination  
Projects, etc.

### ◆ Main Standard and Copper Alloy No .

Standard	Copper Alloy No.	Temper
ASTMB111	C44300	O 61
	C68700	O 61
	C70600	O 61/H55
	C71500	O 61
	C71640	O 61/Hr50
JISH3300	C4430	O
	C6870	O
	C7060	O
	C7150	O
	C7164	O
BS EN12451 (BS2871)	CuZn28Sn1As(CZ111)	R320/H060/R360/H080
	CuZn20A12As(CZ110)	R340/H070/R390/H085
	CuNi10Fe1Mn(CN102)	R290/H075/R310/H105/R480/H150
	CuNi30Fe1Mn(CN107)	R370/H090/R480/H120
	CuNi30Fe2Mn2(CN102)	R420/H090
ASTMB135	C33000	O 1/2H H
	C28000	
	C27000/C27200/C27400	
	C26000/C26200/C26800	
	C23000	

