CHINA
HAILIANG GROUP

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HAILIANG

HAILIANG
Product Catalog

To Become a Global Leading Company in Green and Intelligent Manufacturing in the Non-Ferrous Metals Industry

www.hailiang.us

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Advancing Material Innovation, Driving Social Progress

HAILIANG GROUP IN BRIEF

Global Manufacturing Bases

Fortune Global 500 Company

GANSU

INDONESIA

SPAIN

ITALY

FRANCE

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USA

VIETNAM

ANHUI

THAILAND

GUANGDONG TAISHAN

CHENGDU

SHANDONG

GUANGDONG ZHONGSHAN

SHANGHAI

CHONGQING

COMPANY PROFILE

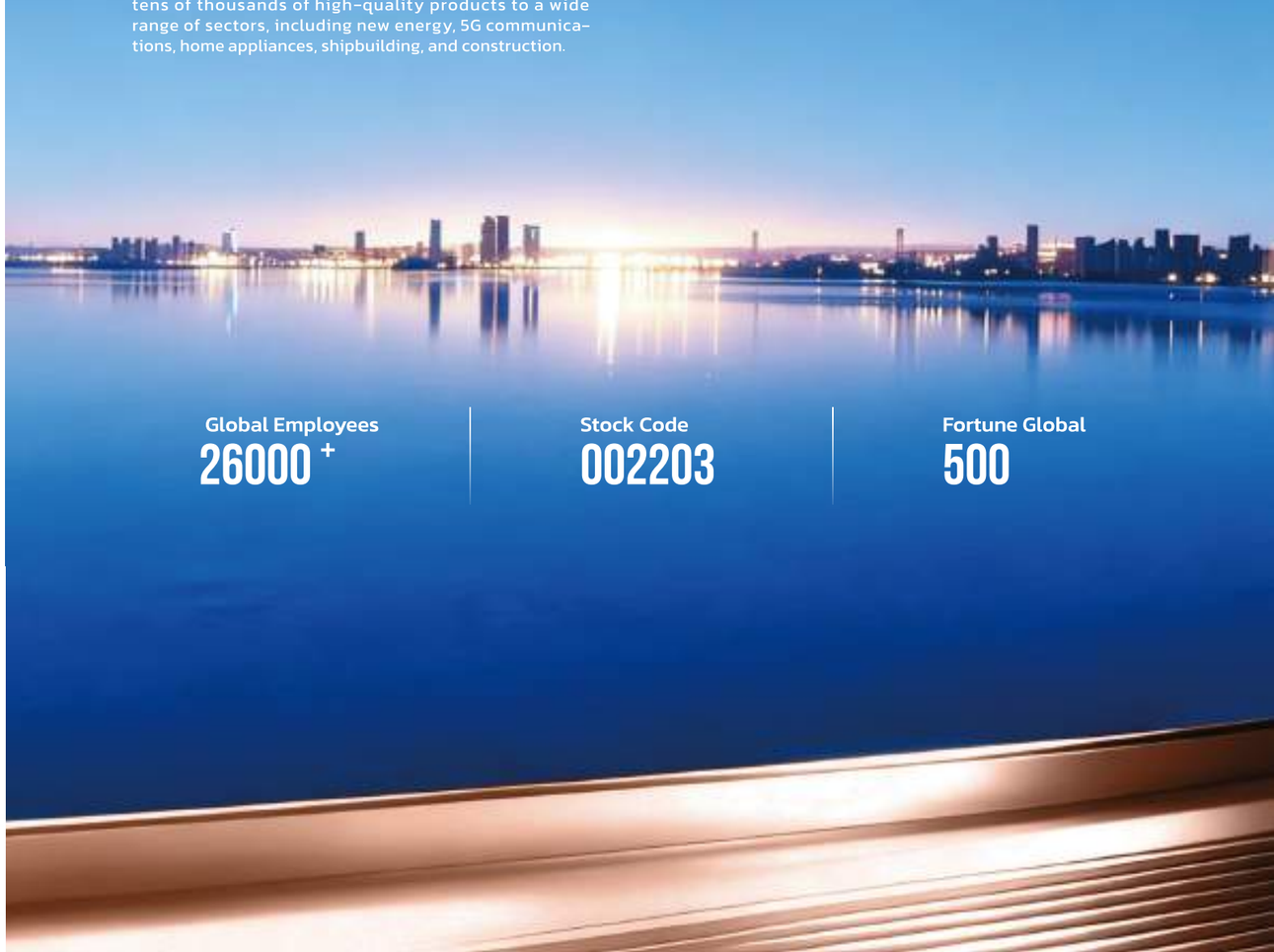
World Leading Manufacturer Of Copper Tube & Fitting Products

The Group Management Headquarters is located in the Binjiang District of Hangzhou and has more than 25,000 employees. In 2024, the Group ranked 442nd among the world's top 500 enterprises.

Zhejiang Hailiang Co., Ltd. is the core subsidiary of Hailiang Group Co., Ltd. Since its founding in 2001, the Company has been dedicated to the R&D, production, sales, and service of high-quality copper products, new conductor materials, and aluminum-based new materials. The Company was listed on the Shenzhen Stock Exchange on January 16, 2008, under the stock code 002203. Today, Hailiang has grown into a global benchmark and a leading enterprise in the copper and copper alloy tube and rod processing industry.

Hailiang's core products include copper tubes,copper rods, copper foil, and other copper-based materials. By leveraging industry-leading production lines and advanced management systems, the Company supplies tens of thousands of high-quality products to a wide range of sectors, including new energy, 5G communications, home appliances, shipbuilding, and construction.

The Company operates 23 production bases worldwide, with domestic facilities primarily located in Zhejiang, Shanghai, Anhui, Guangdong, Sichuan, Chongqing, and Gansu, and overseas bases in the United States, Germany, France, Italy, Spain, Vietnam, Thailand, Indonesia, and Morocco. Over the years, Hailiang has built a large and stable customer base, establishing long-term partnerships for material procurement and product sales with nearly 10,000 clients across more than 130 countries and regions.As a trusted strategic partner to many industry-leading enterprises, Hailiang has received numerous honors and awards, including Gold Customer, Gold Supplier, and Global Partner Awards, reflecting the strong trust and recognition it has earned from clients worldwide.

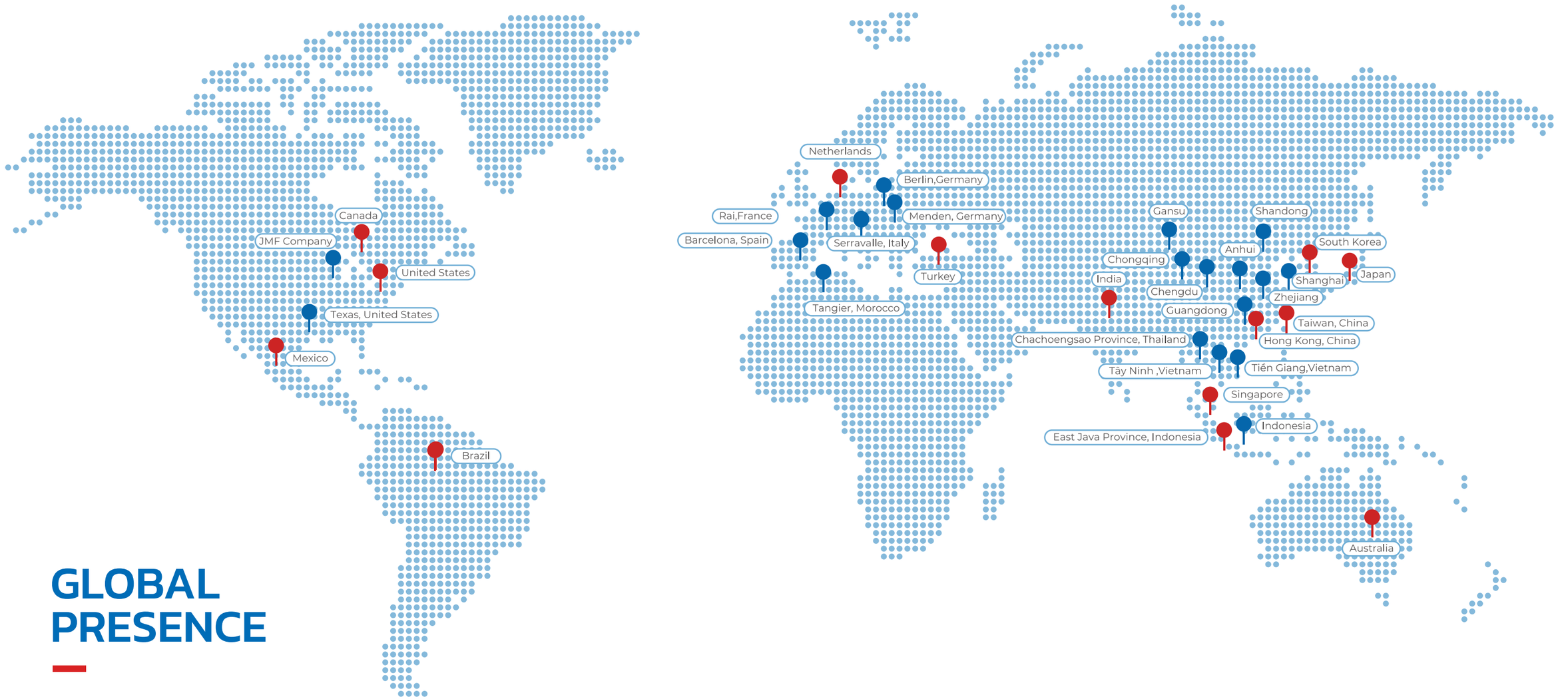


Global Employees
26000 +

Stock Code
002203

Fortune Global
500

GLOBAL PRESENCE



Manufacturing Base Sales Company (Office)

23
Global Production Bases

130
Countries And Regions

10.000
Global Customers

COPPER TUBE SERIES

COPPER TUBES

Applications:
Water Supply, Gas, Sanitation, HVAC,
Refrigeration, Fire Protection, and General Use.

STRAIGHT TUBES SERIES

Standard And Copper Alloy No.

Standard		Alloy No.	Temper					Chemical Composition Cu%
JIS H3300		C1220	H		1/2H	OL	O	Minimum 99.90
JIS H3300								
BS 2871		C106	H		1/2H	/	O	
EN 12735-2		CU-DHP	Y0 80		/	Y0 40	Y0 35	
EN 12735-1		or CW024A	R360	R290	R250	/	R220	
EN 1057			R360	R290	R250	/	R220	
EN 12449		CU-DHP	R360	R290	R250	/	R220/R200	
		or CW024A	H110	H095	H070	/	H040	
DIN		SF-Cu	F36		F25	F22	O	
ASTM	B68	C 12200	/		/	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	

Specifications

O.D. \ Thickness	0.013" to0.023"	0.023" to0.031"	0.031" to0.039"	0.039" to0.047"	0.047" to0.059"	0.059" to0.078"	0.078" to0.12"	0.12" to0.16"	0.16" to0.22"	0.22" to0.27"	0.27" to0.37"
1/4" to 1/2"	○	○	○	○	○						
1/2" to 3/4"	○	○	○	○	○	○					
3/4" to 1"	○	○	○	○	○	○	○	○			
1" to 1-3/8"		○	○	○	○	○	○	○	○		
1-3/8" to 1-1/2"			○	○	○	○	○	○	○		
1-1/2" to 1-19/20"			○	○	○	○	○	○	○	○	
1-19/20" to 2-1/2"			○	○	○	○	○	○	○	○	
2-1/2" to 2-3/4"				○	○	○	○	○	○	○	○
2-3/4" to 3-3/8"				○	○	○	○	○	○	○	○
3-3/8" to 4"					○	○	○	○	○	○	○
4" to 5-3/8"						○	○	○	○	○	○
5-3/8" to 6-1/4"							○	○	○	○	○
6-1/4" to 8-5/8"								○	○		

LWC FOR ACR SERIES (PLAIN)



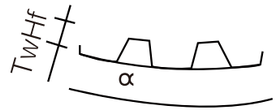
Specifications(For Reference Only)					
O. D.		Wall Thickness		Coil Weight	
mm	inch	mm	inch	kg	lbs
3.8	5/32	0.28–0.60	0.011–0.024	90–130 130–180 >180(as per customer's requirements)	200–300 300–400 >400(as per customer's requirements)
4.76	3/16	0.28–0.81	0.011–0.032		
6.35	1/4	0.28–1.07	0.011–0.042		
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		

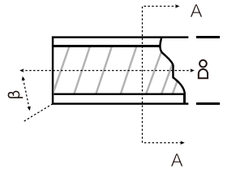
PANCAKE COILS SERIES



Specifications		
O.D(inch)	Thickness(inch)	Length(ft)
1/8" to $1\frac{1}{8}$"	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
Φ5.00×0.20+0.15–18°	33	5.00	4.30	0.20	0.15	0.35	40	18	40
Φ7.00×0.25+0.10–15°	52	7.00	6.30	0.25	0.10	0.35	40	15	65
Φ7.00×0.25+0.18–18°	57	7.00	6.14	0.25	0.18	0.43	40	18	50
Φ7.00×0.25+0.22–16°	58	7.00	6.06	0.25	0.22	0.47	22	16	54
Φ7.00×0.27+0.15–18°	60	7.00	6.16	0.27	0.15	0.42	53	18	60
Φ7.94×0.25+0.18–18°	65	7.94	7.08	0.25	0.18	0.43	40	18	50
Φ7.94×0.25+0.20–18°	66	7.94	7.04	0.25	0.20	0.45	40	18	50
Φ7.94×0.26+0.17–18°	66	7.94	7.08	0.26	0.17	0.43	40	18	50
Φ7.94×0.28+0.20–18°	72	7.94	6.98	0.28	0.20	0.48	40	18	50
Φ7.94×0.30+0.20–18°	76	7.94	6.94	0.30	0.20	0.50	40	18	50
Φ9.52×0.27+0.16–18°	82	9.52	8.66	0.27	0.16	0.43	30	18	70
Φ9.52×0.28+0.12–15°	80	9.52	8.72	0.28	0.12	0.40	53	15	65
Φ9.52×0.28+0.15–18°	83	9.52	8.66	0.28	0.15	0.43	53	18	60
Φ9.52×0.28+0.15–25°	88	9.52	8.66	0.28	0.15	0.43	90	25	65
Φ9.52×0.28+0.20–18°	85	9.52	8.56	0.28	0.20	0.48	25	18	55
Φ9.52×0.28+0.20–18°	88	9.52	8.56	0.28	0.20	0.48	40	18	60
Φ9.52×0.30+0.20–18°	90	9.52	8.52	0.30	0.20	0.50	30	18	60
Φ9.52×0.30+0.20–18°	94	9.52	8.52	0.30	0.20	0.50	53	18	60
Φ9.52×0.34+0.15–25°	104	9.52	8.54	0.34	0.15	0.49	90	25	65
Φ9.52×0.40+0.25–18°	123	9.52	8.22	0.40	0.25	0.65	40	18	60
Φ12.00×0.36+0.25–18°	140	12.00	10.78	0.36	0.25	0.61	40	18	70
Φ12.70×0.35+0.25–18°	155	12.70	11.50	0.35	0.25	0.60	53	18	70
Φ12.70×0.40+0.25–18°	170	12.70	11.40	0.40	0.25	0.65	53	18	70
Φ12.70×0.50+0.25–18°	201	12.70	11.20	0.50	0.25	0.75	53	18	75
Φ12.75×0.36+0.21/0.25–20°	150	12.75	11.53	0.36	0.25	0.61	48	20	70

PACKING WAYS (LWC)

● Packing

● Our production lines

Packing Ways(LWC)

	Packing ways	Wooden pallets	plates		Way of placing strings		Winding way			
			Cardboard Reels	Reels (LD.Payout)	Draw from I.D	Draw from O.D	Clockwise	Anti-Clockwise	Hailiang	Neutral
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	□	□	□			□	□		□

COPPER ALLOY SERIES

BRASS STRAIGHT TUBE

Applications:
Buildings, Sanitation, Marine, Seawater Desalination, and Other Projects.

Main Standard And Copper Alloy No.

Standard	Copper Alloy No.	Temper
ASTMB111	C44300	○61
	C68700	○61
	C70600	○61/H55
	C71500	○61
	C71640	○61/Hr50
JISH3300	C4430	○
	C6870	○
	C7060	○
	C7150	○
	C7164	○
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	○ 1/2H H
	C28000	
	C27000/C27200/C27400	
	C26000/C26200/C26800	
	C23000	

HIGH ACCURACY COPPER ALLOY TUBE

Main:
- Admiralty Brass Tube C44300
- Al-Brass Tube C68700
- CuNi Tube C70600
- CuNi Tube C71500/C71640

Total Capacity:
50,000 Ton/Year

Specification Scope Of High Accuracy Copper Alloy Tube

O.D.(mm)	Thickness (unit:mm)											Length (mm)
	0.4	0.4–1.0	1.0–2.0	2.0–3.0	3.0–4.0	4.0–5.0	5.0–6.0	6.0–7.0	7.0–8.0	8.0–10.0	10.0–12.0	
4.74–10	○	○										≤25000
>10–20	○	○	○	○	○							≤25000
>20–50		○	○	○	○	○	○	○				≤25000
>50–100			○	○	○	○	○	○	○	○	○	≤15000
>100–200				○	○	○	○	○	○	○	○	≤12000
>200–300					○	○	○	○	○	○	○	≤6000
>300–419					○	○	○	○	○	○	○	≤6000

Chemical Composition Of High Accuracy Copper Alloy Tube

Standard	Name	Copper Alloy No	Chemical Composition(%)													
			Cu	Sn	Pb	Fe	Al	Zn	Mn	Ni	As	C	Co	P	S	Others
	Admiralty Brass Tube	C44300	70.0–73.0	0.9–1.2	≤0.07	≤0.06	—	Remainder	—	—	0.02–0.06			—		—
ASTM B111	Al-Brass Tube	C68700	76.0–79.0	—	≤0.07	≤0.06	1.8–2.5	Remainder	—	—	0.02–0.06			—		—
	90–10 Cuni Tube	C70600	Remainder	—	≤0.05	1.0–1.8	—	≤1.0	≤1.0	9.0–11.0			—	—		—
	70–30 Cuni Tube	C71500	Remainder	—	≤0.05	0.04–1.0	—	≤1.0	≤1.0	29.0–33.0			—	—		—
	66/30/2/2 Cuni Tube	C71640	Remainder	—	≤0.05	1.7–2.3	—	≤1.0	1.5–2.5	29.0–32.0		≤0.06	—	—	≤0.03	—
JIS H3300	Condenser Brass Tube	C4430	70.0–73.0	0.9–1.2	≤0.05	≤0.05	—	Remainder	—	—	0.02–0.06			—		—
		C6870	76.0–79.0	—	≤0.05	≤0.05	1.8–2.5	Remainder	—	—	0.02–0.06			—		—
	Condenser CuNi Tube	C7060	Remainder	—	≤0.05	1.0–1.8	—	≤0.50	0.20–1.0	9.0–11.0	—		—	—		Cu+Fe+Mn +Ni≥99.5
		C7150	Remainder	—	≤0.05	0.04–1.0	—	≤0.50	0.20–1.0	29.0–33.0	—		—	—		Cu+Fe+Mn +Ni≥99.5
		C7164	Remainder	—	≤0.05	1.7–2.3	—	≤0.50	1.5–2.5	29.0–32.0	—		—	—		Cu+Fe+Mn +Ni≥99.5
BS EN12451 (B2871)	Condenser Brass Tube	CuZn28Sn1 As (CZ111)	70.0–72.5	0.9–1.3	≤0.05	≤0.07	—	Remainder	≤0.1	≤0.1	0.02–0.06			≤0.1		≤0.3
		CuZn20A12 As (CZ110)	76–79.0	—	≤0.05	≤0.07	1.8–2.3	Remainder	≤0.1	≤0.1	0.02–0.06			≤0.1		≤0.3
	Condenser CuNi Tube	CuNi10Fe1 Mn (CN102)	Remainder	≤0.03	≤0.02	1.0–2.0	—	≤0.05	0.50–1.0	9.0–11.0	—	≤0.05	≤0.1	≤0.02	≤0.05	≤0.2
		CuNi30Fe1 Mn (CN107)	Remainder	≤0.05	≤0.02	0.4–1.0	—	≤0.05	0.50–1.5	30.0–32.0	—	≤0.05	≤0.1	≤0.02	≤0.05	≤0.2
		CuNi30Fe1 Mn (CN108)	Remainder	≤0.05	≤0.02	1.5–2.5	—	≤0.05	1.5–2.5	29.0–32.0	—	≤0.05	≤0.1	≤0.02	≤0.05	≤0.2

BRASS STRAIGHT TUBE

O.D. \ Thickness	0.019" 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"
1/4" to 1/2"	○	○	○	○	○			
1/2" to 3/4"	○	○	○	○	○	○		
3/4" to 1"		○	○	○	○	○	○	
1" to 1-3/8"			○	○	○	○	○	○
1-3/8" to 2"				○	○	○	○	○
2" to 2-3/4"				○	○	○	○	

PACKING

FITTINGS SERIES

Welding Fitting

SPECIFICATION	NOMINAL SIZE(inch/mm)	STANDARD
45°Elbow CXC	1/8 to 6	ASME B 16.22
90°Elbow CXC	1/8 to 2x1 1/2	
90°Long Elbow CXC	1/8 to 4	
45°Street Elbow FTGXC	1/8 to 4	
90°Street Elbow FTGXC	1/4 to 4	
90°Street Long Elbow FTGXC	1/8 to 3	
Coupling w/stop CXC Dimple	1/8 to 8	
Coupling Less/stop CXC Dimple	1/8 to 5	
Coupling w/stop rolled	1/8 to 8	
Reducing Coupling w/stop CXC	5/8x1/4 to 6x3	
Fitting Reducer FTGXC	5/8x1/4 to 4x1 1/4	
Tee CXCXC	1/8 to 8	
Reducing Tee	1/4x1/8 to 8x8x4	
Tube Strap	1/8 to 2	
P-Strap	1/2 to 2	
U-Bend	1 to 2	
Cap	1/8 to 6	
Flush Bushing FTGXC	1/4x1/8 to 2x1 1/2	
45°Equal Elbow CXC	8 to 308	EN1254-1
90°Equal Elbow CXC	6 to 308	
45°Street Elbow FT GXC	8 to 159	
90°Street Elbow FTGXC	6 to 219	
90°Long Radius Street Elbow CXFTG	12 to 108	
90°Long Radius Street Elbow CXC	12 to 108	
Cross CXCXCXC	15 22 28 35	
Equal Tee CXCXC	6 to 308	
Reducing Tee CXCXC	42x42x42 to 219x219x159	
Stop End	8 to 159	
Reducing Coupler CXC	15x10 to 219x108	
Fitting Reducer CXFTG	16x12 to 219x159	
Equal Coupler CXC	C6 to 308	

Threaded Fitting

SPECIFICATION	NORMAL SIZE(inch)	STANDARD
Male Adapter CXM	1/4x1/8 to 2x2	ASME B16.22
Male Adapter FTGXM	1/4x1/4 to 2-1/2x2-3/8	
Female Adapter CXF	3/8x3/8 to 2x2	
Female Adapter FTGXF	1/4x1/4 to 2-1/2x2-3/8	
UNION BRASS	3/8 to 1	

Solder Fitting

SPECIFICATION	NOMINAL SIZE(inch/mm)	STANDARD
45°Elbow CXC	5/8 7/8 15 to 54	ASMEB16.22/ EN1254-1
90°Elbow CXC	5/8 7/8 15 to 54	
90°Street Elbow FTGXC	15 to 54	
90°Reducing Elbow CXC	22X15 28X15 28X22	
Coupling CXC	5/8 7/8 8 to 54	
Slip Coupling CXC	15 22 28	
Reducing Coupling CXFTG	15x8 to 54x42	
Coupling Reducer	10x8 to 54x42	
Tee CXCXC	5/8 7/8 8 to 54	
Reducing Tee CXCXC	28x22x15 to 54X54X42	
Cap	5/8 7/8 8 to 54	

PRESS FITTINGS (M, V PROFILE)

Specification	Normal Size
Cap × P	1/2"–2"
Coupling PxP No Stop	1/2"–4"
Extended Coupling PxP No Stop	1/2"–2"
Coupling PxP No Stop	1/2"–4"
Reducer PxP	3/4*1/2–4*3
Reducer FTGxP	3/4*1/2–4*2
Elbow45 deg PxP	1/2"–4"
Elbow 45 deg FTGxP	1/2"–4"
Elbow 90 deg PxP	1/2"–4"
Elbow 90 deg FTGxP	1/2"–4"
Tee PxPxP	3/4*3/4*1/2–4*4*3
Adapter Flange–PXFlange Bolt pattern	2 1/2–4
Cross–Over PxP	1/2–3/4
Stub Out	1/2–1
Reducing Elbow 90 deg PxP	3/4*1/2–1*3/4
Female outlet Reducing Tee PxPxFPT	2 1/2*2 1/2*3/4–4*4*2

BRASS FITTINGS

Copper Alloy No.:
C46500 C37700 C35200



Ftting Series	
Brass capillary fitting	
Male Coupling	**Female Coupling**
15mm×1/2" M 22mm×3/4" M	15mm×1/2" F 22mm×3/4" F
28mm×1" M 15mm×3/4" M	28mm×1" F 15mm×3/4" F
22mm×1" M	
Male Elbow	**Female Elbow**
15mm×1/2" M 22mm×3/4" M	15mm×1/2" F 22mm×3/4" F
28mm×1" M 15mm×3/4" M	28mm×1" F 15mm×3/4" F
Female Tee	**Wall Plated Elbow**
15mm×15×1/2" F 22mm×22×3/4" F	15mm×1/2" F
28mm×28×1" F	22mm×3/4" F

Brass Comeression Fittings	
Male Couping And Female Coupling	
15mm×1/2" M/F	22mm×3/4" M/F
28mm×1" M/F	15mm×3/4" M/F
Coupling	**Male Elbow**
15mm×15mm 22mm×22mm	15mm×1/2" M 22mm×3/4" M
28mm×28mm 22mm×15mm	28mm×1" M 15mm×3/4" M
28mm×22mm	
Female Elbow	**Elbow**
15mm×1/2" F 22mm×3/4" F	15mm×15mm 22mm×22mm
28mm×1" F 15mm×3/4" F	28mm×28mm 22mm×15mm
	28mm×22mm
Tee	**Wall Plated Elbow**
15mm×15mm×1/2" F	15mm×1/2" F 22mm×3/4" F
22mm×22mm×3/4" F	
22mm×22mm×1/2" F	
28mm×28mm×1" F	
15mm×15mm×15mm	
22mm×22mm×22mm	
28mm×28mm×28mm	
22mm×22mm×15mm	
22mm×15mm×22mm	

Threaded Fittings		
Nipple F×M	**Cap**	**Coupling M×M**
3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"
Coupling F×F	**Coupling M×F**	**Elbow F×F**
3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"
Elbow M×F	**Elbow M×M**	**Tee F×F×F**
3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"
Reducing Bush F×F		**Reducing Adapter M×M**
1/2" × 3/8" 3/4" × 1/2"		1/2" × 3/8" 3/4" × 1/2"
1"×1/2"1"× 3/4"		1"× 1/2"
11/4" × 3/4" 11/4" × 1/2"		11/4" × 3/4" 11/4" × 1/2"
3Piece Adapter M×F	**3Pieceadapter F×F**	**3 Piece Adapter M×M**
3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"
3PIECE ADAPTER M×M		**NUT**
3/8" 1/2" 3/4" 1"		16" 1/2" 20 × 3/4"
Female Adapter		
1/2" F × 1/2" /16	1/2" F × 3/4" /20	3/4" F × 3/4" /20
Male Elbow		**Female Elbow**
1/2" /16 × 1/2" /16		1/2" F × 1/2" /16 3/4" F × 1/2" /16
3/4" /20 × 3/4" /20		1/2" F × 3/4" /20 3/4" F × 3/4" /20
Female Tee		
1/2" /16 × 1/2" F × 1/2" /16 3/4" 120 × 1/2" F × 3/4" /20		
3/4" /20 × 3/4" F × 3/4" /20		
Male Tee		
1/2" /16 × 1/2" /1/2" /16		
3/4" /20 × 1/2" × 3/4" /20		

INSULATED COPPER TUBES&PLASTIC-COATED COPPER TUBES

Main Applications:
Air Conditioning, Water, Gas, and Other Industries.



Standard Size(Inch)						
Type	Size d2×t2/d1×t1	O.D.of the tube d1 d2 d3	Thickness of Insulator t1t2t3t4	Length	Material	Weight Pounds/feet
-P2320 -P2330	1/4"×0.032 3/8"×0.032	1.02" 0.87" 1.89"	0.35" 0.2"	30ft to 100ft	0	0.233
-P2420 -P2430	1/4"×0.032 1/2"×0.032	1.30" 0.87" 2.17"	0.394" 0.2"	30ft to 100ft	0	0.286
-P2520	1/4"×0.032 5/8"×0.039	1.42" 0.87" 2.29"	0.394" 0.2"	30ft to 100ft	0	0.390
-P3520	3/8"×0.032 5/8"×0.039	1.42" 1.02" 2.44"	0.394" 0.2"	30ft to 100ft	0	0.440
-P3620	3/8"×0.032 3/4"×0.039	1.54" 1.02" 2.56"	0.394" 0.2"	30ft to 100ft	0	0.569
-P4620	1/2"×0.032 3/4"×0.039	1.54" 1.30" 2.84"	0.394" 0.2"	30ft to 100ft	0	0.629

Plastic-coated Copper Tubes Made According To En1057 Or Astm B88								
DN(mm)	O.D.(mm)	Thickness (mm)	Gear-shaped Loop (mm)	Parallel Loop (mm)	Foam(mm)	Maximum Deviation (mm)	Length	Maximum Deviation (mm)
15	15	0.7	18.6	17	21.5	±0.20	2.9 to 5.8	0 to +10
20	22	0.9	25.6	24	28.5			
25	28		31.6	30				
32	35	1.2		37.6		±0.30		
40	42			44.6				
50	54			56.8		±0.40		
65	67			69.8				
80	76	1.5		78.8		±0.50		

SMALL FURBISHED BRASS RODS SERIES

SMALL FURBISHED BRASS RODS

Main Applications:
Air Conditioning, Electrical, Machinery, and Other Industries.


Designation,chemical Composition Of Small Furbished Brass Rods				
Copper Alloy No.		Designation	Width or Diameter (mm)	
JIS	UNS			
C2700	C27000	—	Round Rod	5 to 80
C2800	C28000	—		
—	C34000 C34500 C35000 C35300	ASTM B453		
—	C36000	ASTM B16		
C3601	C36000	—		
C3602	C36000	—		
C3603	—	—		
C3604	—	—		
C3605	—	—	Square Rod Hexi Rod	12 to 40
C3712 C3771	C37100 C37700	—		
C4622	C46200	—		
C4641	C46400	—		
—	C48500	ASTM B21		
—	C67300 C67600	ASTM B138		
C6782	—	—		
C6783	—	—		

CONDUCTIVE COPPER BUSBAR

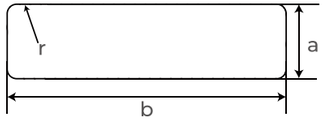
Main Applications:

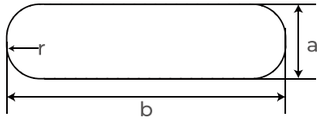
Copper busbars are widely used in the electrical industry, including transformers, switch contacts, switchgears, distribution cabinets, generator units, and other related equipment.

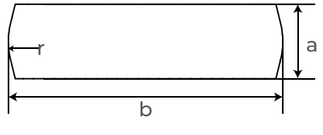
Standard:

·GBT5585.1–2005 ·ASTM B187–2015 ·JIS H3140–2012

Total Capacity:
20,000 MT



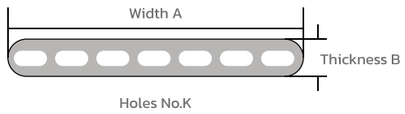


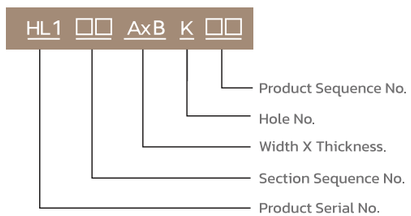


Specifications (For Reference Only)									
NO.	a*b	NO.	a*b	NO.	a*b	NO.	a*b	NO.	a*b
1	3*12	32	5*40	63	6*160	94	9.5*100	125	14*120
2	3*15	33	5*45	64	6*170	95	10*10	126	15*15
3	3*20	34	5*50	65	6*200	96	10*20	127	15*30
4	3*25	35	5*60	66	6.3*93	97	10*30	128	15*40
5	3*30	36	5*63	67	7*30	98	10*40	129	15*50
6	3*40	37	5*80	68	7*40	99	10*50	130	15*100
7	3*45	38	5*100	69	7*50	100	10*56	131	16*16
8	3*50	39	5*120	70	7*80	101	10*60	132	16*50
9	3*70	40	5*140	71	8*20	102	10*63	133	16*60
10	3*75	41	5*160	72	8*25	103	10*70	134	18*50
11	3*80	42	5*200	73	8*30	104	10*80	135	18*80
12	3*100	43	6*20	74	8*32	105	10*90	136	20*20
13	3*120	44	6*25	75	8*40	106	10*100	137	20*30
14	3*140	45	6*30	76	8*50	107	10*120	138	20*50
15	3*160	46	6*35	77	8*53	108	10*125	139	20*60
16	3*200	47	6*40	78	8*55	109	10*140	140	20*100
17	4*15	48	6*45	79	8*60	110	10*150	141	20*125
18	4*16	49	6*50	80	8*63	111	10*160	142	20*160
19	4*20	50	6*60	81	8*65	112	12*20	143	22*22
20	4*25	51	6*63	82	8*70	113	12*30	144	22*60
21	4*30	52	6*65	83	8*75	114	12*40	145	24*54
22	4*40	53	6*75	84	8*80	115	12*50	146	25*25
23	4*50	54	6*80	85	8*90	116	12*60	147	25*50
24	4*60	55	6*85	86	8*100	117	12*80	148	25*60
25	4*80	56	6*90	87	8*110	118	12*100	149	25*100
26	5*15	57	6*100	88	8*120	119	12*120	150	28*28
27	5*20	58	6*110	89	8*125	120	12*125	151	30*30
28	5*25	59	6*120	90	8*130	121	12*150	152	30*50
29	5*28	60	6*125	91	8*160	122	12.5*100	153	30*80
30	5*30	61	6*140	92	9*100	123	13*13	154	35*50
31	5*35	62	6*150	93	9*120	124	14*14	155	40*40

ALUMINUM MULTI-PORT EXTRUSION TUBE

Main Applications:
Aluminum Multi-Port Extrusion Tubes are mainly
used in Microchannel Heat Exchangers (MCHE),which offer higher heat transfer efficiency.





Model	Width (mm)	Thickness (mm)	Holes Number	kg/m	Material Grade
HL1-1-12×1.4-12-1	12	1.4	12	0.0268	3102
HL1-2-16×1.3-16-1	16	1.3	16	0.0364	3102
HL1-4-16×2-10-1	16	2	10	0.043	1100
HL1-15-20×1.8-10-1	20	1.8	10	0.0542	3102
HL1-35-20×1.8-12-1	20	1.8	12	0.0482	1100
HL1-21-25×2-18-1	25	2	18	0.0754	3102
HL1-6-25.4×2-13-1	25.4	2	13	0.0702	3102
HL1-8-26×2-21-1	26	2	21	0.0745	3102
HL1-91-26×2-13-1	26	2	13	0.0779	1100
HL1-22-32×2-25-3	32	2	25	0.0956	3102
HL1-39-32×2.05-6-1	32	2.05	6	0.089	3003
HL2-15-45×2.5-8	45	2.5	8	0.0858	3F03
HL2-28-50×5-10	50	5	10	0.1906	3F03
HL2-26-57×5-10	57	5	10	0.2665	3F03

COPPER FOIL

Copper Foils for Li-ion Batteries

Technological advantages

Manufactured via precisely controlled electrodeposition with superb consistency, uniform thickness, and fine grain structure. Areal weight variation of less than 1 g/m² and single coil length of up to 40,000 meters. Sophisticated layout of new copper foil products in line with the roadmap for secondary batteries. Repre-sentative examples include porous copper foil, low-carbon copper foil, double-sided rough copper foil, high surface tension copper foil, chromium-free copper foil, alloy foil, extremely strong copper foil, etc.

Specifications

Wide range of thickness (3 to 10 μm) and tensile strength (300-850 MPa), high elongation (up to 20.0% at certain specifications), and high purity (>99.8%).

Copper Foils for Electronic Circuits

Technological advantages

Manufactured via precisely controlled electrodeposition with superb consistency and uniform thickness. A controlled surface roughening process that meets the appearance and performance requirements of customers. Capable of manufacturing high-end products, such as RTF and HVLP series.

Specifications

Wide range of thickness (9 to 105 μm), excellent high-temperature tensile and elongation performance, well-controlled surface roughness, excellent etching performance, oxidation resistance, heat resistance, and high peel strength.

Applications

FR-4, lead-free, halogen-free, epoxy resin, PTFE, acrylic, PPO/PPE, and other low-loss and ultra-low-loss materials, etc.

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