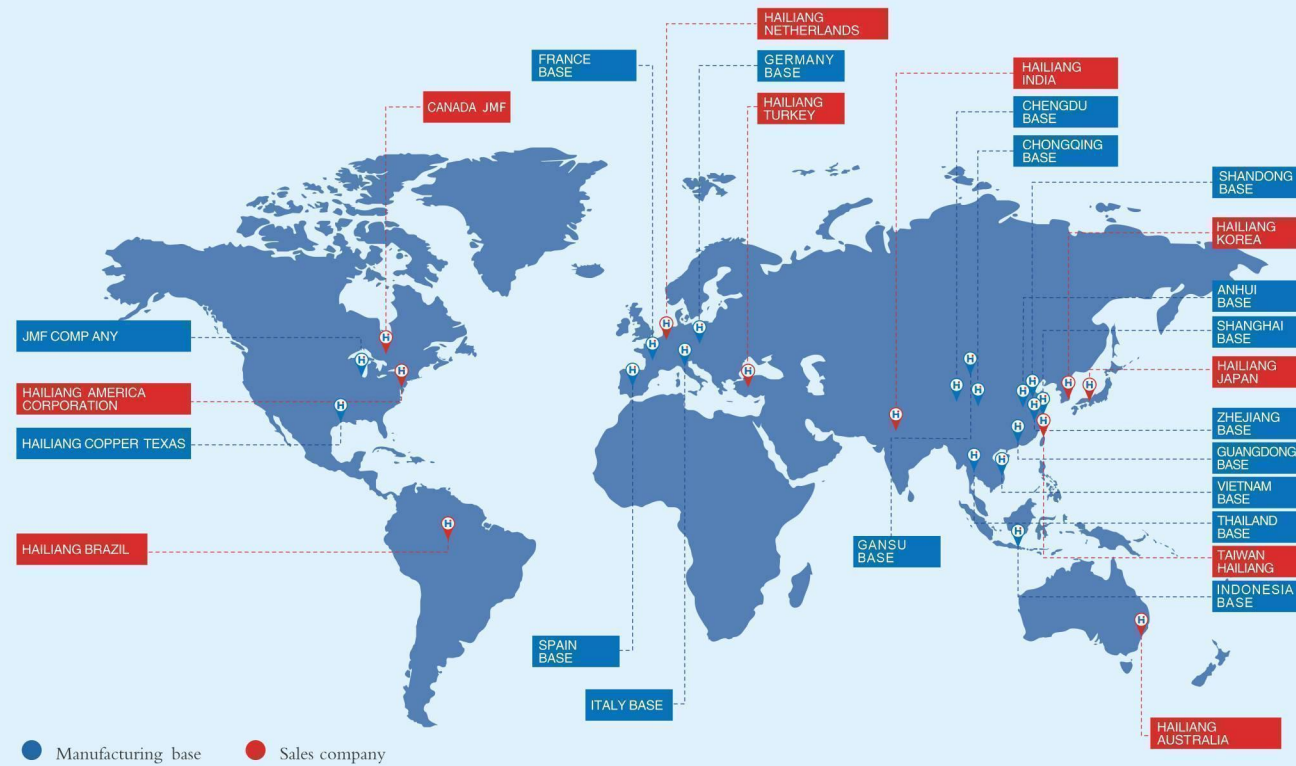




**BETTERWAY**

YOUR TRUSTED SOURCE FOR QUALITY



# PRODUCTS INTRODUCTION



# HAILIANG

# TABLE OF CONTENTS



**CERTIFICATE OF REGISTRATION AND COMPLIANCES** 01



**COPPER TUBE SERIES** 02

- STANDARD AND COPPER ALLOY NO.



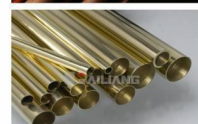
• STRAIGHT TUBE SERIES 03



• LWC FOR SERIES(PLAIN)  
• PANCAKE COILS SERIES 04



• LWC FOR ACR SERIES(INNER GROOVED) 05



• PACKING WAYS 06



**COPPER ALLOY SERIES** 07



• BRASS STRAIGHT TUBE 08



• HIGH ACCURACY COPPER ALLOY TUBE 09



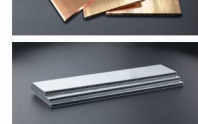
• STANDARD AND COPPER ALLOY No. 10



• PACKING WAYS 11



**FITTING SERIES** 11



- WELDING FITTINGS
- THREADED FITTING
- SOLDER FITTING



- PRESS FITTING (GAS SERIES)
- PRESS FITTING (WATER SERIES)



**INSULATED COPPER TUBES AND PLASTIC -COATED COPPER TUBES** 14



**SMALL FURBISHED BRASS ROD SERIES** 15



**CONDUCTIVE COPPER BUSBAR** 16



**ALUMINUM MULTI-PORT EXTRUSION TUBE** 18



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



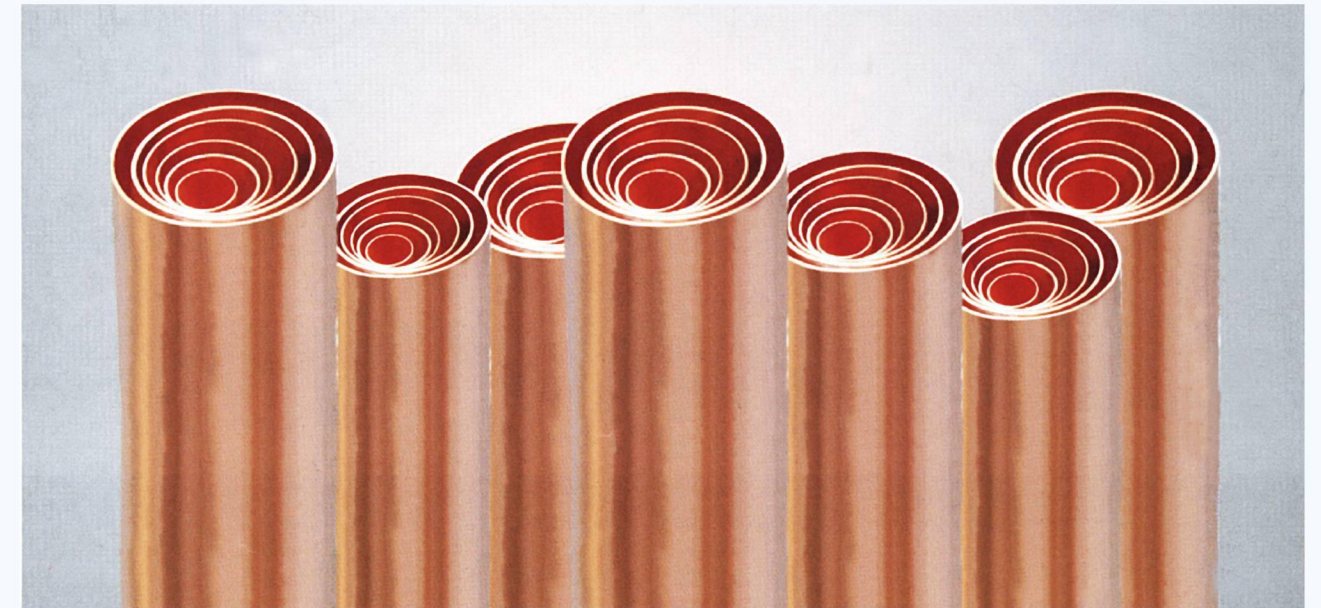
## • COPPER TUBES

### Main Purposes:

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



## • STRAIGHT TUBES SERIES



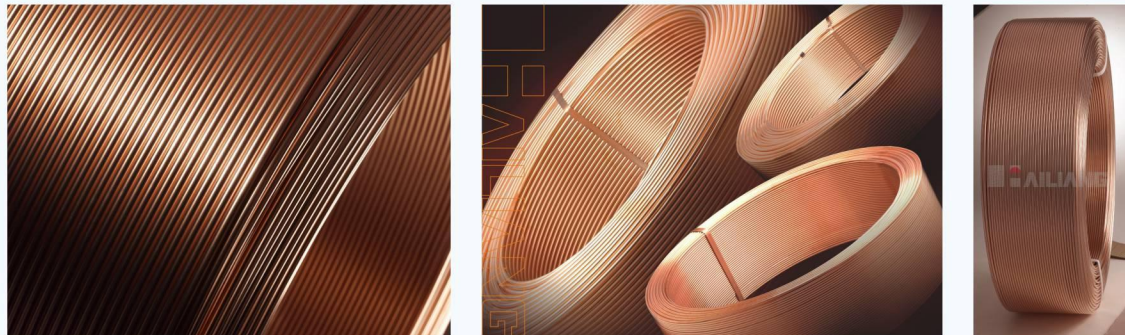
### ◆ Standard and Copper Alloy No.

Standard	Alloy No.	Temper				Chemical Composition Cu%	
JIS H3300	C1220	H	1/2H	OL	O	Minimum 99.90	
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		

### ◆ 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		

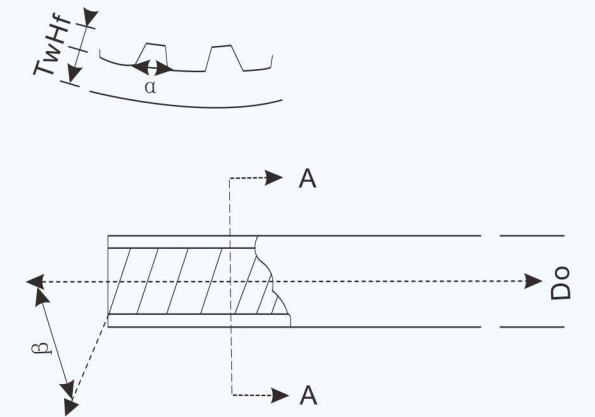
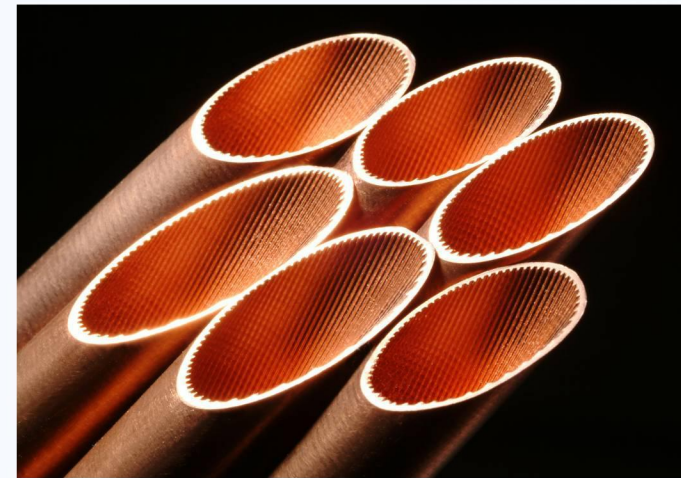
## • PANCAKE COILS SERIES



### ◆ 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	☒	☒	☒			☒	☒	☒	☒

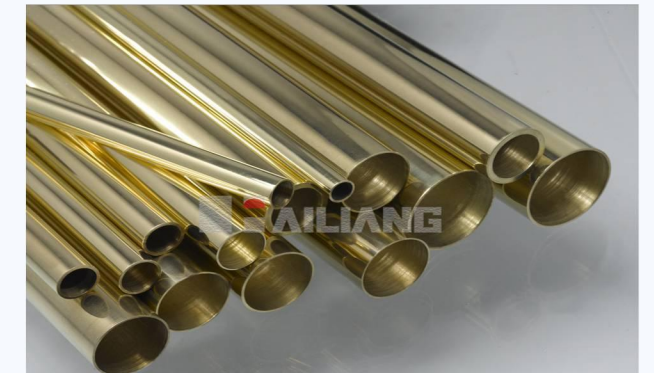


General Packing



Our production lines

## • BRASS STRAIGHT TUBE



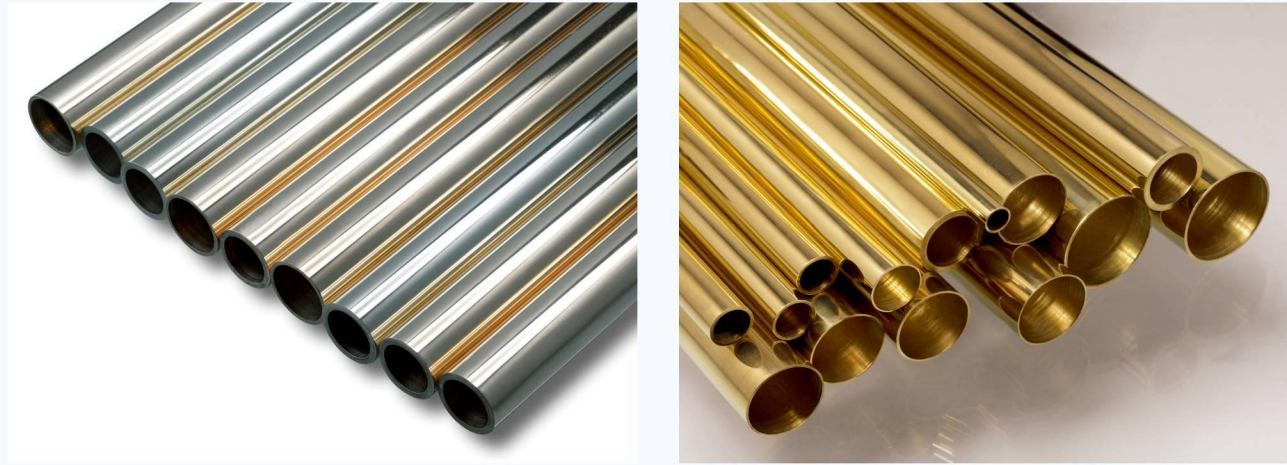
### Main Purposes:

**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	

## • HIGH ACCURACY COPPER ALLOY TUBE



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

**Total Capacity: 50,000 Ton/Year**

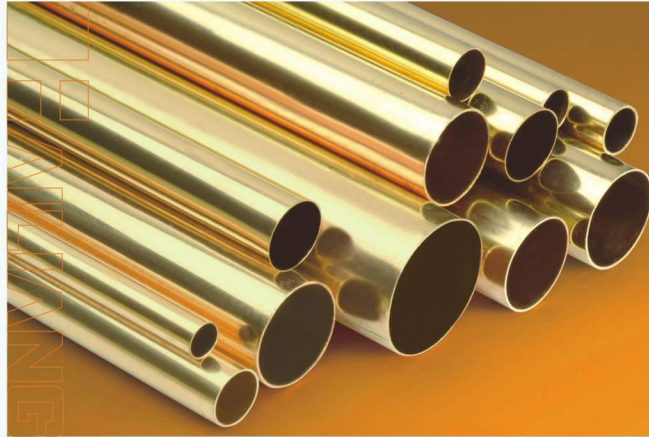
### Specification scope of high accuracy copper alloy tube

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 (B2671)	Condenser Brass Tube	CuZn28Sn1As (CZ111)	70.0~72.5	0.9~1.3	≤0.05	≤0.07	-	Remainder	≤0.1	≤0.1	0.20~0.06			≤0.1		≤0.3
		CuZn20A12As (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	CuNi10Fe1Mn (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
		CuNi30Fe1Mn (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
		CuNi30Fe1Mn (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



Thickness O.D.	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 WAYS



## • 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 2x11/2	
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 4x11/4	
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 2x11/2	EN1254-1
45° Equal Elbow CXC E10ECC	8 to 308	
90° Equal Elbow CXC HLE11ECC	6 to 308	
45° Street Elbow FTGXC E13EFC	8 to 159	
90° Street Elbow FTGXC E14EFC	6 to 219	
90° Long Radius Street Elbow CXFTG E15ELFC	12 to 108	
90° Long Radius Street Elbow CXC E12ELLC	12 to 108	
Cross CXCXCXC E60CCCC	15 22 28 35	
Equal Tee CXCXC E30TCC	6 to 308	
Reducing Tee CXCXC E31TRC	42x42x42 to 219x219x159	
Stop End E40CAP	8 to 159	
Reducing Coupler CXC E21RRC	15x10 to 219x108	
Fitting Reducer CXFTG E22RCF	16x12 to 219x159	
Equal Coupler CXC E20CC	C6 to 308	

### ◆ Threaded Fitting

SPECIFICATION	NOMINAL 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	ASME B16.22/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 Fitting (Gas series)

SPECIFICATION	NOMINAL SIZE(mm)	STANDARD
Forza Copper Press Gas Elbow 45°	15mm tubex15mm, 20mm tubex20mm, 25mm tubex25mm, 32mm tubex32mm, 40mm tubex40mm, 50mm tubex50mm, 65mm tubex65mm, 80mm tubex80mm, 100mm tubex100mm	As3688
Forza Copper Press Gas Elbow 45°	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Elbow	15mm tubex15mm, 20mm tubex20mm, 25mm tubex25mm, 32mm tubex32mm, 40mm tubex40mm, 50mm tubex50mm, 65mm tubex65mm, 80mm tubex80mm, 100mm tubex100mm	
Forza Copper Press Gas Elbow	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Coupling	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Slip Coupling	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Reducer	20mm tubex15mm, 25mm tubex15mm, 25mm tubex20mm, 32mm tubex20mm, 32mm tubex25mm, 40mm tubex20mm, 40mm tubex25mm, 40mm tubex32mm, 50mm tubex25mm, 50mm tubex32mm, 50mm tubex40mm, 65mm tubex40mm, 65mm tubex50mm, 80mm tubex40mm, 80mm tubex50mm, 80mm tubex65mm	
Forza Copper Press Gas Reducing Coupling	20mmx15mm, 25mmx15mm, 25mmx20mm, 32mmx20mm, 32mm x25mm, 40mmx32mm, 50mmx25mm, 50mmx32mm, 50mmx40mm, 65mmx32mm, 65mmx40mm, 65mmx50mm, 80mmx40mm, 80mmx50mm, 80mmx65mm	
Forza Copper Press Gas Equal Tee	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Reducing Tee	20mmx15mmx(15mm), 20mmx15mmx(20mm), 20mmx20mmx(15mm), 25mmx25mmx(20mm), 32mmx32mmx(25mm), 40mmx40mmx(32mm), 50mmx50mmx(40mm), 65mmx65mmx(50mm), 80mmx80mmx(50mm), 80mmx80mmx(65mm)	
Forza Copper Press Gas End Cap	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	

## ◆ Press Fitting (Water series)

SPECIFICATION	NOMINAL SIZE(mm)	STANDARD
Forza Copper Press Gas Elbow 45°	15mm tubex15mm, 20mm tubex20mm, 25mm tubex25mm, 32mm tubex32mm, 40mm tubex40mm, 50mm tubex50mm, 65mm tubex65mm, 80mm tubex80mm, 100mm tubex100mm	As3688
Forza Copper Press Gas Elbow 45°	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Elbow	15mm tubex15mm, 20mm tubex20mm, 25mm tubex25mm, 32mm tubex32mm, 40mm tubex40mm, 50mm tubex50mm, 65mm tubex65mm, 80mm tubex80mm, 100mm tubex100mm	
Forza Copper Press Gas Elbow	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Coupling	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Slip Coupling	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Reducer	20mm tubex15mm, 25mm tubex15mm, 25mm tubex20mm, 32mm tubex20mm, 32mm tubex25mm, 40mm tubex20mm, 40mm tubex25mm, 40mm tubex32mm, 50mm tubex25mm, 50mm tubex32mm, 50mm tubex40mm, 65mm tubex40mm, 65mm tubex50mm, 80mm tubex40mm, 80mm tubex50mm, 80mm tubex65mm	
Forza Copper Press Gas Reducing Coupling	20mmx15mm, 25mmx15mm, 25mmx20mm, 32mmx20mm, 32mm x25mm, 40mmx32mm, 50mmx25mm, 50mmx32mm, 50mmx40mm, 65mmx32mm, 65mmx40mm, 65mmx50mm, 80mmx40mm, 80mmx50mm, 80mmx65mm	
Forza Copper Press Gas Equal Tee	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	
Forza Copper Press Gas Reducing Tee	20mmx15mmx(15mm), 20mmx15mmx(20mm), 20mmx20mmx(15mm), 25mmx25mmx(20mm), 32mmx32mmx(25mm), 40mmx40mmx(32mm), 50mmx50mmx(40mm), 65mmx65mmx(50mm), 80mmx80mmx(50mm), 80mmx80mmx(65mm)	
Forza Copper Press Gas End Cap	15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	

## ◆ BRASS FITTINGS



Copper Alloy No.: **C46500**  
**C37700**  
**C35200**

### ◆ Fitting 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 Compression Fittings

Male Coupling And Female Coupling	
15mm×1/2" M/F	22mm×3/4" M/F
28mm×1" M/F	15mm×3/4" M/F
Coupling	
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
3/8" 1/2" 3/4" 1"		3/8" 1/2" 3/4" 1"
Elbow M×F		Elbow M×M
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
3/8" 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" /20×1/2" 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		



**Main Purposes:**  
Air Conditioning,  
Water, Gas, etc.



◆ **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**

**Main Purposes :**  
Air Conditioning, Electricity, Machinery, Etc.



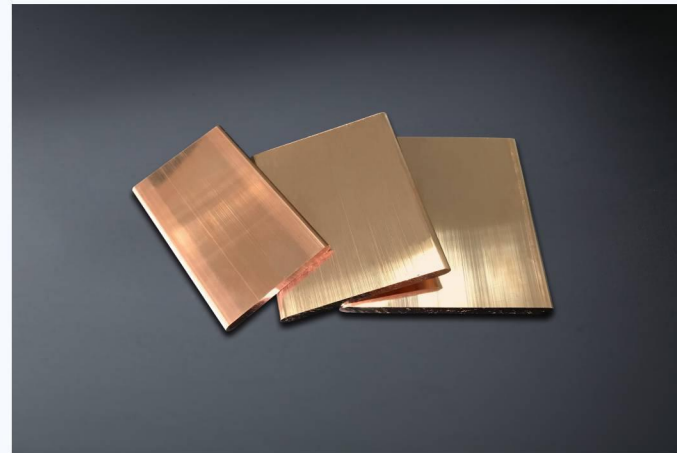
**Designation, Chemical Composition of Small Furbished Brass Rods**

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	—	—	
C3712 C3771	C37100 C37700	—	
C4622	C46200	—	
C4641	C46400	—	
—	C48500	ASTM B21	
—	C67300 C67600	ASTM B138	
C6782	—	—	
C6783	—	—	

• CONDUCTIVE COPPER BUSBAR

**Main Purposes:**

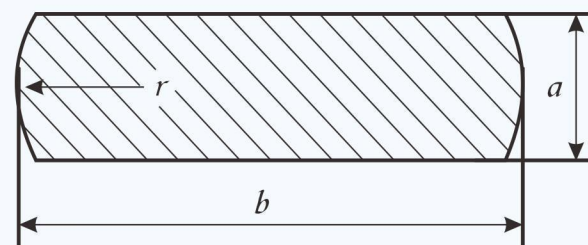
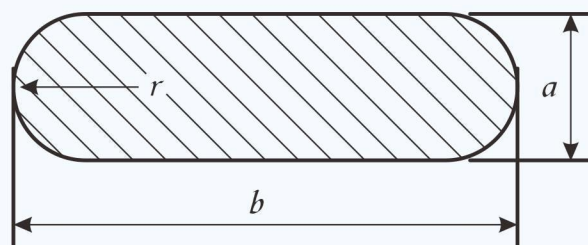
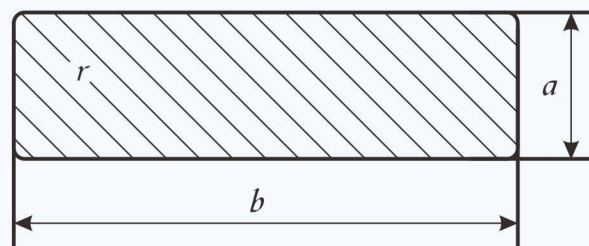
Copper busbar is widely used in electrical field, such as transformer, switch contact, switchgear, distribution cabinet, generator unit and etc.



**Standard:**

- GBT 5585.1-2005
- ASTM B187-2015
- JIS H3140-2012

**Total Capacity: 20,000 MT**

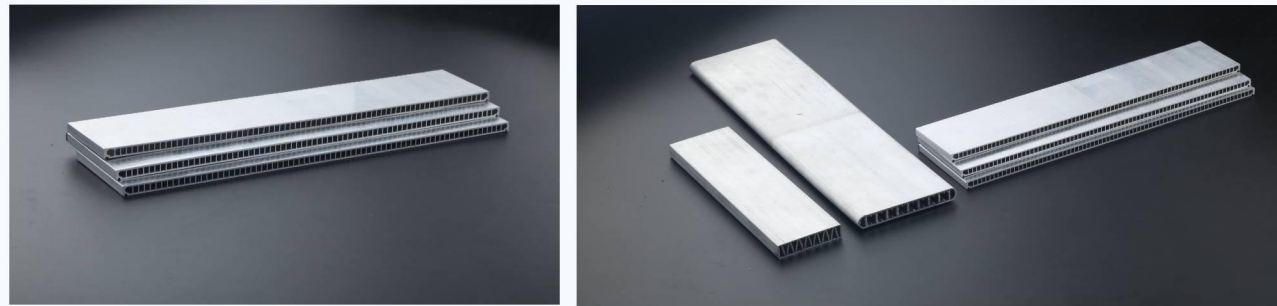


◆ Specifications (For reference only)

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

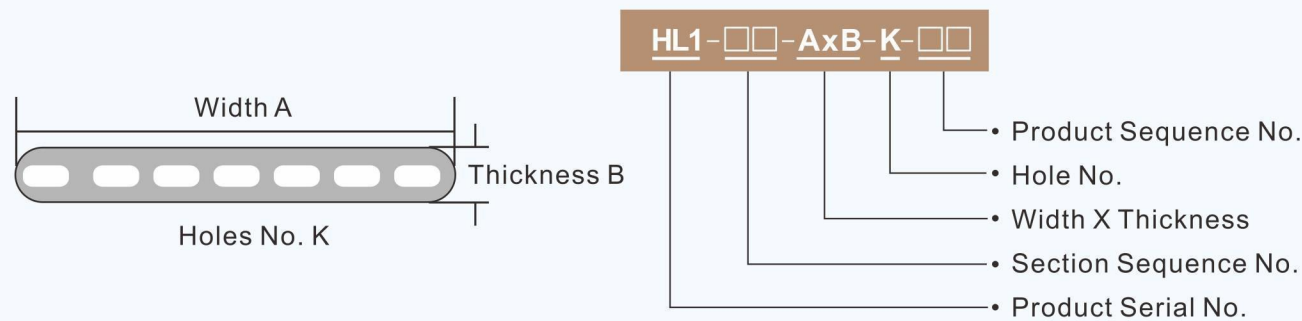
# ALUMINUM MULTI-PORT EXTRUSION TUBE

## ALUMINUM MULTI-PORT EXTRUSION TUBE



### Main Purposes:

Aluminum Multi-Port Extrusion Tube is mainly used in Micro Channel Heat Exchanger (MCHE) which performs 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



# BETTERWAY

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