

STRAIGHT COPPER TUBE

O.D.(mm)	Thickness ≥0.3~ 0.4	≥0.4~ 0.6	≥0.6~ 0.8	≥0.8~ 1.0	≥1.0~ 1.2	≥1.2~ 1.5	≥1.5~ 2.0	≥2.0~ 3.0	≥3.0~ 4.0	≥4.0~ 5.5	≥5.5~ 7.0	≥7.0~ 9.0	≥9.0~ 12.0
4~8	○	○	○	○	○	○							
8~12.7	○	○	○	○	○	○							
12.7~16		○	○	○	○	○	○	○					
16~25			○	○	○	○	○	○	○				
25~35			○	○	○	○	○	○	○	○			
35~42			○	○	○	○	○	○	○	○	○		
42~48				○	○	○	○	○	○	○	○	○	
48~60				○	○	○	○	○	○	○	○	○	○
60~73					○	○	○	○	○	○	○	○	○
73~86						○	○	○	○	○	○	○	○
STANDARD:	INTERNAL GB ASTM EN JIS												

Remark: Sizes with "○" indicate those are common size which is Huahong making now.
And unusual sizes with special requirement can be tailor-made against order.

ACR COPPER TUBES SERIES STRAIGHT COPPER TUBE

Straight copper tube is widely used in condenser and radiator of air-conditioning. All of them are according with standard GB/T17791-1999, ASTM B68, JIS H3300, AS/NZS 1571, etc.



L.W.C(INNER GROOVED) & STRAIGHT COPPER TUBE

PANCAKE COILED COPPER TUBE & COPPER WATER PIPE

COPPER ROD & BUS BAR

PLASTIC COATED COPPER WATER PIPES

Diameter O.D(mm)	Coated Material	Nominal O.D of Plastic-coated Pipe		Thickness of the Plastic-coated		Number of Groove
		Parallel Length(mm)	Loop shaped Length(mm)	Parallel Length(mm)	Loop shaped Length(mm)	
15	15	17.6	18.6	1.3	1.8	14
20	22	24.6	25.6	1.3	1.8	16
25	28	30.6	31.6	1.3	1.8	21
32	35	39	40	2.0	2.5	23
40	42	46	48	2.0	3.0	25
50	54	58	60	2.0	3.0	27
65	67	72	74	2.5	3.5	29
80	76.1	81.7	83.1	2.5	3.5	31

STANDARD:

INTERNAL

GB

ASTM

EN

JIS

COPPER WATER PIPE

The cleanliness of the drinking water is very important to us, every day the water comes through countless pipes. If the quality of pipes is poor, we will drink the polluted water. Most of residents in Beijing, Shanghai, Guangzhou, and Shenzhen prefer copper water pipes, because of its antibacterial character. With excellent quality and international standards, our copper water pipe is definitely the best choice. All of them are according with JIS3300, ASTM B88, EN1057, etc.

COPPER WATER PIPES

O.D (mm)	Thickness	Standard													
		0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.5	2	2.5	3	3.5	
6															
8															
10															
12															
14															
15															
16															
18															
22															
25															
28															
35															
40															
42															
54															
64															
66.7															
70															
76.1															
80															
86															

STANDARD: INTERNAL GB ASTM EN JIS



PANCAKE COILED COPPER TUBE & COPPER WATER PIPE

COPPER ROD & BUS BAR

Copper rod & bus bar is the richly historied product in HuaHong. They are widely used as the conductor in electrical product, as its high-conductivity. On the other hand, they are widely used as radiator in electrical product, as its high- thermal conduction. We gain a great reputation in Dongguan and Shenzhen, where is famous as the capital of the IT industry in the world. And we have built more than ten years partnership with the main manufacturers there. All of our products are according with JISH3100, JISH3250 and JISH3140.

SPECIFICATIONS

Copper Rod	Aloy No.	Size(mm)	Conductivity(%)	Standard
Round	C1100	6.0 to 130.0	20°C, ≥95	ASTM, JIS, GB
Square	C1100	14*14 to 76.2*76.2		

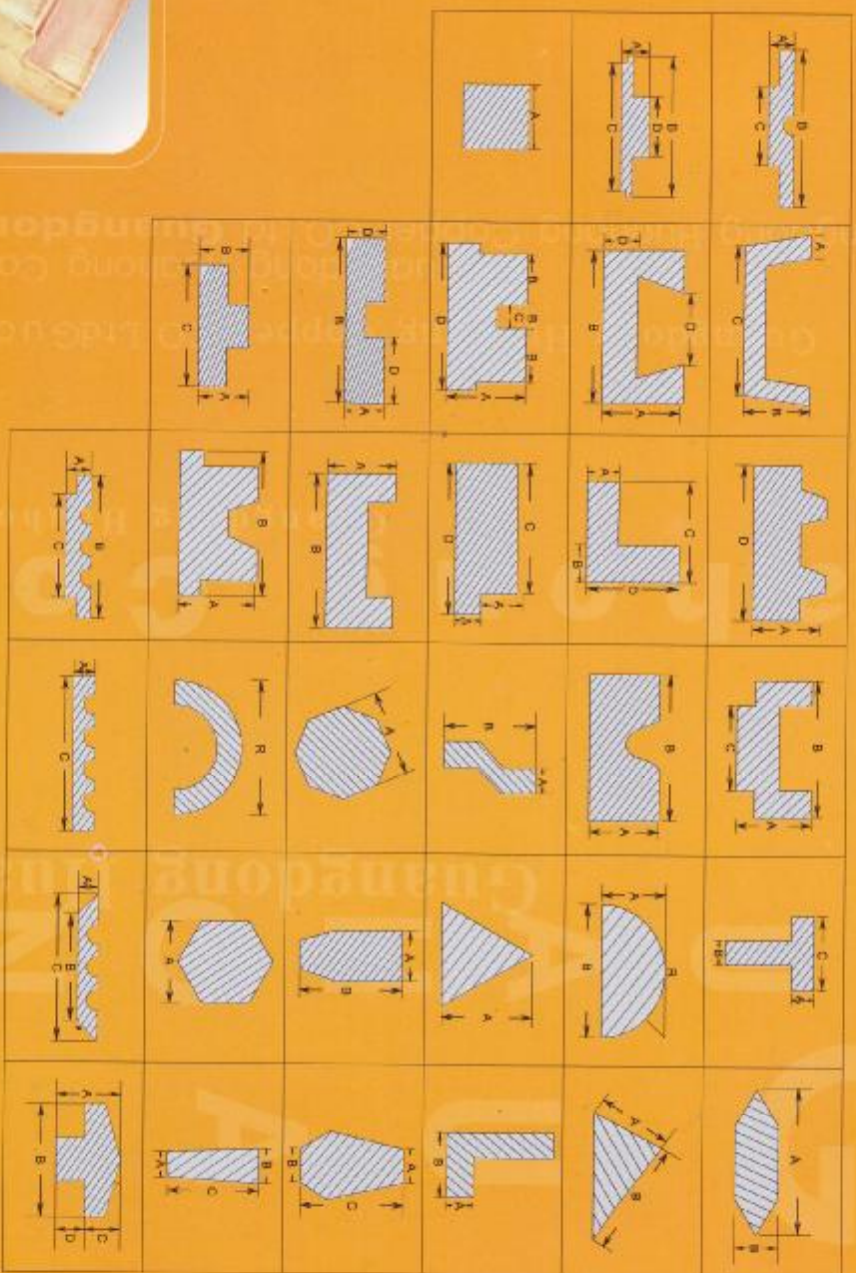
JIS-H3250

Special products can be made upon customers' requirements.

Copper Bus Bar	Aloy Number	Thickness	size(mm) Width	Length	Conductivity(%)	Standard
Sligh Round Edge		2.5 to 65	15 to 300	≤8000		
Round Edge	C1100	3 to 30	14 to 300	≤8000	20°C, ≥95	ASTM, JIS, GB
Copper Strip		2.5 to 60	14 to 60	≤45000		

JIS-H3140

Diagram of special shaped copper bus bar and copper rod



COPPER ROD & BUS BAR



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廣東華鴻銅業



ABOUT HUAHONG

L.W.C(PLAIN)

L.W.C(INNER GROOVED) & STRAIGHT COPPER TUBE

PANCAKE COILED COPPER TUBE & COPPER WATER PIPE

COPPER ROD & BUS BAR



Guangdong HuaHong Copper Co., Ltd.

Guangdong HuaHong Copper Co., Ltd. is one of the leading enterprises processing non-ferrous metals in China with capacity 90000M/T per year, locate in Foshan city, Guangdong province, which just take 40 minutes from Guangzhou Balyun International Airport. We specialize in producing copper tube for ACR, including L.W.C, inner grooved, pancake coil, straight tube, and so on.

We are one of the most professional copper manufacturers in China, with more than 16 years experience. We are the main supplier in Guangdong province, where has the most developed Air-conditioning Industry, exported 18,430,000 sets in 2006, possess 58.3% of total export quantity in China.

We have a great reputation in Guangdong province, and have built the strategic partnership with all these world-class air-conditioning manufacturers here, by reliable product, reasonable price and professional service. Our domestic sales reach 20737M/T in 2006.

As focus on Southeast Asia before, our export quantity is just 10500M/T in 2006, but based on the excellent feedback from our customer in Asia, now we plan to start our overseas business all over the world.

More value and shorter leading time are our promise; excellent quality and reliable product are our guarantee. We have invested millions of RMB in our production line. There is the most advanced PLC production line for tandem continuous casting and rolling, unifilar and bifilar DZOI drawbenches, bright annealing furnaces. Emission spectrometric detector is from Japan, eddy current defectoscope is from Germany. All these equipment assure that our product can meet all the requirement of international standard, such like ASTM, JISH, AS/NZS etc.

As a professional copper manufacturer, we also produce copper water pipe, copper rod and bus bar, copper plate and strip.



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MECHANICAL PROPERTIES

Standard	Product	Alloy	Temper	Tensile Strength (Mpa)	Yield Strength (Mpa)	Elongation (%)	Hardness (HV/HR)	Grain Size (mm)
GB/T17791	Coil	T2	Y	≥275	-	-	-	-
			Y2	245-325	-	-	-	-
			M2	≥225	-	≥40	-	≤0.040
			M	≥205	-	≥40	-	0.025-0.06
			Y	≥315	-	-	-	-
			Y2	245-325	-	-	-	-
	Pancake	TP1 TP2	M	≥205	-	≥40	-	0.025-0.06
			M2	≥205	-	≥40	-	≤0.040
			R220	≥220	-	≥40	HV5:40-70	-
			R250	≥250	-	≥30	HV5:75-100	-
			R290	≥290	-	≥3	HV5:≥100	-
			O	≥205	-	≥40	HR15T:≤60	0.025-0.06
BS EN 12735-1	Coil	C106	OL	≥205	-	≥40	HR15T:≤65	≤0.040
			1/2H	245-325	-	-	HR30T:30-60	-
			H	≥315	-	-	HR30T:≥55	-
			O	≥205	-	≥40	HR30T:30-60	-
			1/2H	245-325	-	-	HR30T:30-60	-
			H	≥315	-	-	HR30T:≥55	-
JIS H2300	Coil	C1100	1/2H	245-325	-	-	HR30T:30-60	-
			H	≥275	-	-	HRF:≥80	-
			O	≥205	-	≥40	HR15T:≤60	0.025-0.06
			OL	≥205	-	≥40	HR15T:≤65	≤0.040
			1/2H	245-325	-	-	HR30T:30-60	-
			H	≥315	-	-	HR30T:≥55	-



ABOUT HUAHONG

L.W.C(PLAIN)

L.W.C(INNER GROOVED) & STRAIGHT COPPER TUBE

PANCAKE COILED COPPER TUBE & COPPER WATER PIPE

COPPER ROD & RUS BAR

CHEMICAL COMPOSITION

Material	GB	ASTM	BS EN	JIS	Master Chemical(%)
Pure copper	T2	C11000	C101 C102	C1100	Cu+Ag>99.90
Phosphorus Deoxidized Copper	TP1	C12000	-	C1201	Cu+Ag>99.90 P:0.004-0.012
	TP2	C12200	C106	C1220	Cu+Ag>99.99 P:0.015-0.040

MECHANICAL PROPERTIES

Standard	Product	Alloy	Temper	Tensile Strength (Mpa)	Yield Strength (Mpa)	Elongation (%)	Hardness (HV/HR)	Grain Size (mm)
YS/T1410	Inner-grooved Tube	TP2	M2	215-270	-	≥43	-	0.015-0.035
ASTM B380	Coil	C12200	Q&H	≥205	-	≥40	-	0.035
			H58	≥252	-	-	-	-
			O52	≥210	-	≥40	-	0.015-0.040
ASTM B68	Coil	C10200 C12000 C12200	O60	-	-	-	-	≥0.040
			H55	260-325	≥205	-	HR30T:30-60	-
			H58	≥250	≥205	-	HR30T:≥30	-
ASTM B75	Coil	C10100 C10200 C12000	H80	≥310	≥275	-	HR30T:≥55	-
			O60	≥205	≥62	-	HR15T:≤60 HRF:≤50	≥0.040
			O50	≥205	≥62	-	HR15T:≤65 HRF:≤55	≤0.040
ASTM B743	Coil	C10200 C12000 C12200	H59	≥250	≥205	-	HR30T:≥30	-
			O60	≥205	≥62	≥40	HR15T:≤60 HRF:≤50	≥0.040
			O50	≥205	≥62	≥40	HR15T:≤65 HRF:≤55	≤0.040



ACR COPPER TUBES SERIES L.W.C (PLAIN)

Level Wound Coil (Plain) is widely used in air-conditioning and refrigeration industry (ACR). All of them are according with international standard ASTM B68, JIS H3300, AS/NZS 1571, etc.



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SPECIFICATION SHEET

O.D. (mm)	Wall Thickness (mm)	0.28	0.30	0.35	0.40	0.46	0.55	0.60	0.65	0.71	0.75	0.80	0.88	1.00	1.07	1.14	1.25	1.50	2.00
4.00																			
4.76																			
5.00																			
6.00																			
6.35																			
7.00																			
7.94																			
8.00																			
9.00																			
9.52																			
10.00																			
12.00																			
12.70																			
14.00																			
15.00																			
15.88																			
16.00																			
18.00																			
19.05																			
20.00																			
22.22																			
STANDARD:		INTERNAL			GB			ASTM			EN			JIS					

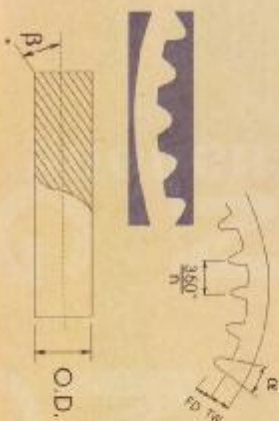
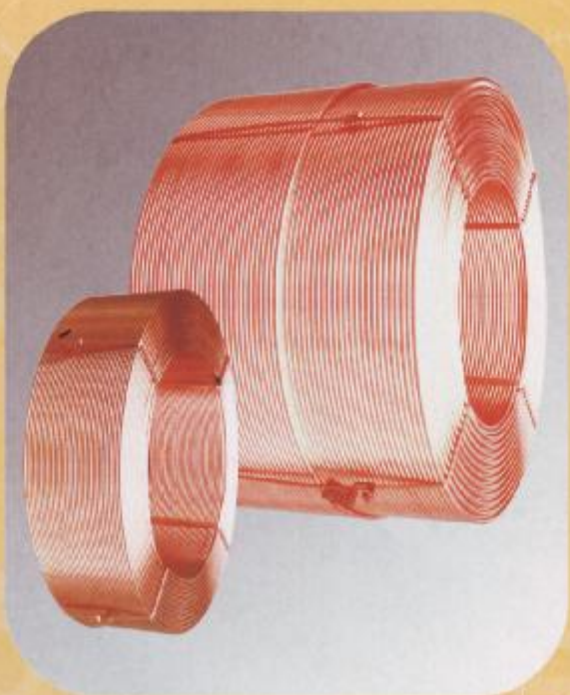
Remark: Sizes with "O" indicate those are common size which is Huafeng making now. And unusual sizes with special requirement can be tailor-made against order.

L.W.C(PLAIN)

L.W.C(INNER GROOVED) & STRAIGHT COPPER TUBE

PANCAKE COILED COPPER TUBE & COPPER WATER PIPE

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ACR COPPER TUBES SERIES L.W.C (INNER GROOVED)

Inner grooved copper tube, whose Thermal conduction ability has increased by 30% to 40% because of the increased internal surface and the spiral effect of liquid. Inner grooved will highly improve the energy efficiency ratio in air-condition.

INNER GROOVED COPPER TUBES

Specifications	O.D. (mm)	Test Wall Thickness (mm)	Bottom Wall Thickness (mm)	Fin Groove Depth (mm)	Apex Angle, α (°)	Helix Angle, β (°)	Number of Turns	Unit Weight (kg/m)
φ12.7×0.25-0.31-18°	5.00	0.35	0.2	0.15	40	18	55	34
φ15.8×0.30-0.37-9°	6.00	0.52	0.3	0.22	27	0	55	59
φ15.8×0.35-0.40-10°-18°	7.00	0.35	0.25	0.1	37	16	65	52.7
φ15.8×0.35-0.40-18°	7.00	0.43	0.25	0.18	40	18	50	57
φ15.8×0.37-0.43-18°	7.00	0.42	0.27	0.15	45	18	60	60
φ17.0×0.39-0.43-18°	7.94	0.43	0.26	0.17	40	18	50	65
φ17.0×0.39-0.43-18°	7.94	0.43	0.28	0.15	50	18	60	70
φ17.0×0.39-0.43-18°	7.94	0.4	0.28	0.12	50	15	65	80
φ17.0×0.39-0.43-18°	7.94	0.43	0.28	0.15	53	18	60	88
φ17.0×0.39-0.43-18°	7.94	0.43	0.27	0.15	40	18	70	82
φ17.0×0.39-0.43-18°	7.94	0.48	0.28	0.2	50	18	60	89
φ17.0×0.39-0.43-18°	7.94	0.47	0.3	0.17	30	18	70	87
φ17.0×0.39-0.43-18°	7.94	0.5	0.3	0.2	50	18	60	93
φ17.0×0.39-0.43-18°	7.94	0.56	0.41	0.25	53	18	60	150
φ17.0×0.39-0.43-18°	7.94	0.56	0.41	0.25	53	18	60	171

Remarks: Sizes with "17°" indicate those are common size which is in a long making one. And unusual sizes with special requirement can be tailor made against order.

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