



产品画册

COMPANY PROFILE

winland

Connecting the world

鹰潭韵澜金属有限责任公司

YINTAN WINLAND METALLURGY CO., LTD.



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关于我们

鹰 潭韵澜金属有限责任公司致力于为海内外客户提供适用于众多行业的精密铜管，其产品包括：空调与制冷用铜管、铜水管道、电缆管、高效换热器铜管、毛细铜管、蚊香盘管以及各种铜管件等。

韵澜金属于2018年注册了“CopperAge”品牌，用于为广大客户提供更加优质、可靠、标准的铜产品和更高效的服务。

我司供应的铜管采用连铸连轧铜管加工工艺，产品符合GB/T 17791、ASTM B280、ASTM B88、ASTM B819、ASTM B837、ASTM B306、BS EN1057、BS EN12735、BS EN13348和JIS H3300等国际标准。

我们除了满足国内需求以外，还出口到泰国、越南、马来西亚、印度、土耳其、阿联酋、阿尔及利亚、伊朗、葡萄牙和西班牙等国家和地区。我们的产品被广泛应用于水管道、空调制冷、医疗、石油化工、造船等众多领域。

“联通世界（Connecting the World）”是韵澜金属的使命，我们愿通过不懈努力，用我们的产品联通物理世界，用我们的诚意联通心灵世界。

社会信用证编号：91360600MA364TQD05

A B O U T

U S



Yingtan Winland Metallurgy Co., Ltd. aims to supply seamless copper tube for Chinese domestic market and overseas market. Our products are widely applied in industries like plumbing, HVAC, Medical and gas, Oil transportation and shipbuilding.

Our product line includes LWC, straight copper tube, copper pancake coil, inner grooved copper tube, PE coated copper tube, capillary copper tube and copper fittings.

“Copperage” is the house brand of Winland’s copper products. We would like to provide quality, reliable and standard products & service.

Winland’s products comply with various international standards, such as GB/T 17791, ASTM B280, ASTM B88, ASTM B819, ASTM B837, ASTM B306, BS EN1057, BS EN12735, BS EN13348 and JIS H330.

Our copper products had been supplied in domestic market, and been exported to countries & district like Thailand, Vietnam, Malaysia, India, The United Arab Emirates, Spain, Portuguese, Iran, Algeria.

Winland devote itself to “Connecting The World”, we hope to connect the physical world by the products, and to connect heart and heart by our sincerity.

Registration number: 91360600MA364TQD05

光面大盘管 (LWC)



内外表面光洁，微观组织均匀，尺寸精度高。易加工、焊接处理。

用于空调制冷水管、热泵连接铜管、制冷管道、氧气管道；暖通、太阳能；家用空调、中央空调制冷连接铜管，新冷媒铜管；制冷空调、制冷配件、冷冻冷藏领域的蒸发器、冷凝器、储液器、过滤器；机械制造业、仪器仪表；医疗器械；汽车油管、机床、轮船、军用设备和耐压设备等。

Bright & clean both internal and external surface, even microstructure, precision size, could be easily handled in further processing. Apply to industries like refrigeration and freezer, ACR, evaporator, condenser, liquid tank, connecting tubes for heat pump, machine manufacturing, instruments and meters, medical, auto oil tubes, ships, pressure resistant equipment etc.

常用规格 (Size Chart)

壁厚 (W. T.)	0.35 (mm)	0.40 (mm)	0.45 (mm)	0.50 (mm)	0.55 (mm)	0.60 (mm)	0.65 (mm)	0.70 (mm)	0.75 (mm)	0.80 (mm)	0.85 (mm)	0.90 (mm)	0.95 (mm)	1.00 (mm)	1.10 (mm)	1.15 (mm)	1.20 (mm)	1.25 (mm)	1.50 (mm)
外径 (O. D.)	3.18	4.76	6.35	7.94	9.52	12.70	15.88	19.05	22.22	25.40	28.60	-	-	-	-	-	-	-	
3.18	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	
4.76	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	-	-	-	
6.35	-	■	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	
7.94	-	■	■	■	■	■	■	■	■	■	■	■	■	■	-	-	-	-	
9.52	-	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
12.70	-	-	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
15.88	-	-	-	-	-	■	■	■	■	■	■	■	■	■	■	■	■	■	
19.05	-	-	-	-	-	-	■	■	■	■	■	■	■	■	■	■	■	■	
22.22	-	-	-	-	-	-	-	-	-	-	-	■	■	■	■	■	■	■	
25.40	-	-	-	-	-	-	-	-	-	-	-	■	■	■	■	■	■	■	
28.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	■	■	■	■	

■ 可以供应的规格 (available)

- 无此规格 (unavailable)

化学及机械性能 (Chemical and Mechanical Data)

化学成分 Chemical Composition		状态 Temper	机械性能 Mechanical Property	
铜含量 Copper % (min)	磷含量 Phosphorus %		抗拉强度 Tensile Strength	伸长率 Elongation %
99.90	0.015-0.040	O60	≥205	≥40
99.90	0.015-0.040	O50	≥245	

内螺纹铜管 (Inner grooved copper tube)



由于钢管内表面积大大增加，散热性能比普通光管提高百分之二十到三十，广泛应用于空调制冷行业。

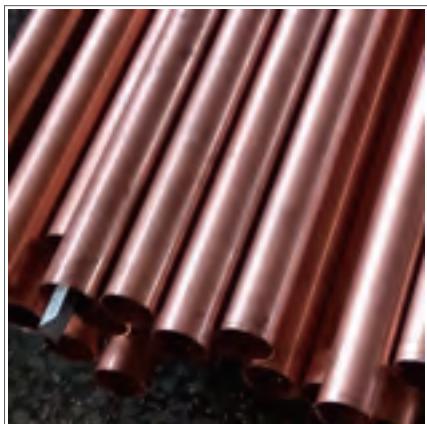
Compared to normal copper tube, the heat radiation of inner grooved copper tube is 20% ~ 30% improved, because inner grooved copper tube's superficial area is much more due to its special structure.

This product is widely used in HVAC industry.

常用规格 (Size Chart)

尺寸 (Size)	单重 Unit Weight (kgs)	外径 O.D.(mm)	内径I.D.(mm)	底壁厚 Bottomwall Thickness	齿高 Fin Groove Depth (mm)	总壁厚 Total Wall Thickness	齿顶角 Apex Angle	螺旋角 Helix Angle	齿数 Number of Tooth
5.00x0.20+0.15-18	33	5	4.3	0.2	0.15	0.35	40	18	40
7.00x0.25+0.10-15	52	7	6.3	0.25	0.1	0.35	40	15	65
7.00x0.25+0.10-18	57	7	6.14	0.25	0.1	0.35	40	18	50
7.00x0.25+0.10-16	58	7	6.06	0.25	0.22	0.47	22	16	54
7.00x0.27+0.15-18	60	7	6.16	0.27	0.15	0.42	53	18	60
7.94x0.25+0.18-18	65	7.94	7.08	0.25	0.18	0.43	40	18	50
7.94x0.25+0.18-18	66	7.94	7.04	0.25	0.18	0.43	40	18	50
7.94x0.26+0.17-18	66	7.94	7.08	0.26	0.7	0.43	40	18	50
7.94x0.28+0.20-18	72	7.94	6.98	0.28	0.2	0.48	40	18	50
7.94x0.30+0.20-18	76	7.94	6.94	0.3	0.2	0.5	40	18	50
9.52x0.27+0.16-18	82	9.52	8.66	0.27	0.16	0.43	30	18	70
9.52x0.28+0.12-15	80	9.52	8.72	0.28	0.12	0.4	53	15	65
9.52x0.28+0.15-18	83	9.52	8.66	0.28	0.15	0.43	53	18	60
9.52x0.28+0.15-25	88	9.52	8.66	0.28	0.15	0.43	90	25	65
9.52x0.28+0.20-18	85	9.52	8.56	0.28	0.2	0.48	25	18	55
9.52x0.28+0.20-18	88	9.52	8.56	0.28	0.2	0.48	40	18	60
9.52x0.28+0.20-18	90	9.52	8.52	0.28	0.20	0.48	30	18	60
9.52x0.30+0.20-18	64	9.52	8.52	0.30	0.20	0.50	53	18	60
9.52x0.34+0.15-25	104	9.52	8.54	0.34	0.15	0.49	90	25	65
9.52x0.40+0.25-18	123	9.52	8.22	0.40	0.25	0.65	40	18	60
12.0x0.36+0.25-18	140	12.00	10.78	0.36	0.25	0.61	40	18	70
12.7x0.35+0.25-18	155	12.70	11.50	0.35	0.25	0.60	53	18	70
12.7x0.40+0.25-18	170	12.70	11.40	0.40	0.25	0.65	53	18	70
12.7x0.50+0.25-18	201	12.70	11.20	0.50	0.25	0.75	53	18	75
12.75x036+0.21/0.25-208	150	12.75	11.53	0.36	0.25	0.61	48	208	70

直条钢管 (Straight copper tube)



ASTM B88

名义尺寸 Normal Size (inch)	外径 Outside Diameter (inch/mm)	壁厚 Wall Thickness (inch/mm)			理论重量 Theoretic Thickness (inch/mm)		
		K	L	M	K	L	M
1/4	0.375 (9.52)	0.035 (0.889)	0.03 (0.762)	-	0.145 (0.215)	0.126 (0.18)	-
3/8	0.5 (12.7)	0.049 (1.245)	0.035 (0.762)	0.025 (0.635)	0.269 (0.399)	0.198 (0.294)	0.0145 (0.214)
1/2	0.625 (15.88)	0.049 (1.245)	0.04 (0.889)	0.028 (0.711)	0.344 (0.51)	0.285 (0.423)	0.0204 (0.302)
5/8	0.75 (19.05)	0.049 (1.245)	0.042 (1.016)	-	0.418 (0.621)	0.362 (0.537)	-
3/4	0.875 (22.22)	0.065 (1.651)	0.045 (1.43)	0.032 (0.812)	0.641 (0.951)	0.455 (0.675)	0.328 (0.675)
1	1.125 (28.58)	0.065 (1.651)	0.05 (1.27)	0.035 (0.889)	0.839 (1.245)	0.655 (0.971)	0.465 (0.689)
1 1/4	1.375 (34.92)	0.065 (1.651)	0.055 (1.397)	0.042 (1.067)	1.04 (1.538)	0.884 (1.311)	0.628 (1.011)
1 1/2	1.625 (41.28)	0.072 (1.829)	0.06 (1.524)	0.049 (1.245)	1.36 (2.02)	1.14 (1.696)	0.940 (1.396)
2	2.125 (53.98)	0.083 (2.108)	0.07 (1.778)	0.058 (1.437)	2.06 (3.062)	1.75 (2.599)	1.46 (2.166)
2 1/2	2.625 (66.68)	0.095 (2.413)	0.08 (2.032)	0.065 (1.651)	2.93 (4.342)	2.84 (3.678)	2.03 (3.006)
3	3.125 (79.38)	0.109 (2.769)	0.09 (2.286)	0.072 (1.829)	4.00 (5.940)	3.33 (4.935)	2.68 (3.972)
3 1/2	3.625 (92.08)	0.12 (3.048)	0.1 (2.54)	0.083 (2.108)	5.12 (7.598)	4.29 (6.368)	3.58 (5.31)
4	4.125 (104.78)	0.124 (3.404)	0.11 (2.794)	0.095 (2.413)	6.51 (9.662)	5.385 (7.979)	4.66 (6.916)



ASTM B280

英制尺寸 Standard Size (inch)	外径 Outside Diameter (inch/mm)	壁厚 Wall Thickness (inch/mm)	重量 Weight lb/ft (kg/m)
3/8	0.375 (9.52)	0.030 (0.762)	0.126 (0.187)
1/2	0.500 (12.70)	0.035 (0.889)	0.198 (0.295)
5/8	0.625 (15.9)	0.040 (1.02)	0.285 (0.424)
3/4	0.750 (19.1)	0.042 (1.07)	0.362 (0.539)
7/8	0.875 (22.3)	0.045 (1.14)	0.455 (0.677)
1 1/8	1.125 (28.6)	0.050 (1.27)	0.655 (0.975)
1 3/8	1.375 (34.9)	0.055 (1.40)	0.884 (1.32)
1 5/8	1.625 (41.3)	0.060 (1.52)	1.14 (1.70)
2 1/8	2.125 (53.98)	0.07 (1.778)	1.75 (2.60)
2 5/8	2.625 (66.68)	0.080 (2.03)	2.48 (3.69)
3 1/8	3.125 (79.4)	0.090 (2.29)	3.33 (4.96)
3 5/8	3.625 (92.1)	0.100 (2.54)	4.29 (6.38)
4 1/8	4.125 (105)	0.110 (2.79)	5.38 (8.01)

BS EN1057

W.T.(mm) OD.(mm) \	0.50	0.60	0.70	0.80	0.90	1.00	1.20	1.50	2.00	2.50	3.00
	6	-	o	-	o	-	o	-	-	-	-
8	-	o	-	o	-	o	-	-	-	-	-
10	-	o	o	o	-	o	-	-	-	-	-
12	-	o	-	o	-	o	-	-	-	-	-
15	-	-	o	o	-	o	-	-	-	-	-
18	-	-	-	o	-	o	-	-	-	-	-
22	-	-	-	-	-	o	o	o	-	-	-
28	-	-	-	-	o	-	o	o	-	-	-
35	-	-	-	-	o	-	o	o	-	-	-
42	-	-	-	-	-	-	o	o	-	-	-
54	-	-	-	-	-	-	o	o	o	o	-
64	-	-	-	-	-	-	o	o	o	o	-
66.7	-	-	-	-	-	-	o	o	o	o	o
70	-	-	-	-	-	-	-	-	o	o	o
76.1	-	-	-	-	-	-	-	o	o	o	o
80	-	-	-	-	-	-	-	-	o	o	o
88.9	-	-	-	-	-	-	-	-	o	o	o
108	-	-	-	-	-	-	-	-	o	o	o

蚊香盘管 (Copper pancake coils)



用于高端空调及制冷设备的连接、维修、循环，石油管道，汽油管线；地面天然气、液化石油气燃料输送系统；普通管道工程和类似工程用于输送液体的无缝钢管等。

分为单层、双层、多层，蚊香状盘绕。

Apply to HVAC equipment's connecting, maintaining and circulation, oil/gas pipeline, fuel conveying system of natural gas and liquefied gases, ordinary tube project of conveying liquid .

There are coils types of single layer,double layers and multi-layers. Coils in pancake shape.

常用规格 (Regular Size Chart)

常用尺寸 Regular size	W.T.(mm) O.D.(mm)	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.9	0.95	1.00	1.10	1.15	1.20	1.25	1.50
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/8	3.18	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
3/16	4.76	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-
1/4	6.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
5/16	7.94	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
3/8	9.52	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
1/2	12.70	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5/8	15.88	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4	19.05	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8	22.22	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0

化学及机械性能 (Chemical and Mechanical Data)

牌号 Material No.	化学成分 Chemical Composition		状态 Temper	机械性能 Mechanical Property	
	铜含量 Copper % (min)	磷含量 Phosphorus %		抗拉强度 Tensile Strength	伸长率 Elongation %
C12200	99.90	0.015-0.040	O60	≥205	≥40
C12200	99.90	0.015-0.040	O50	≥245	

空调连接保温管 (Insulation copper coil)



用于高端空调及制冷设备的连接、维修。预制保温层，可以选择是否带纳子，保温层厚度及保温层材料。

每套包含两种不同规格的钢管。方便实用。

Apply to HVAC equipment's connecting, maintenance. Pre-insulated copper pipe, options with/without flare nut, and different material and thickness of insulation layer available.

Very handy for ACR contractor's installation and maintenance work.

常用规格 (Regular Size Chart)

钢管尺寸 (外径x壁厚) Copper Tube Size O.D. x W.T.	盘直径 Coil Size d1, d2, d3	保温层厚度 Thickness of Insulator	长度 Length (ft)	保温层材质 Insulation Material	单位重量 Weight pounds/ft
1/4" x 0.032" 3/8" x 0.032"	1.02", 0.87", 1.89"	0.35", 0.2"	30-100	可定制 Customizable	0.233
1/4" x 0.032" 1/2" x 0.032"	1.30", 0.87", 2.17"	0.394", 0.2"	30-100	可定制 Customizable	0.286
1/4" x 0.032" 5/8" x 0.039"	1.42", 0.87", 2.29"	0.394", 0.2"	30-100	可定制 Customizable	0.390
3/8" x 0.032" 5/8" x 0.039"	1.42", 1.02", 2.44"	0.394", 0.2"	30-100	可定制 Customizable	0.440
3/8" x 0.032" 3/4" x 0.039"	1.54", 1.02", 2.56"	0.394", 0.2"	30-100	可定制 Customizable	0.569
1/2" x 0.032" 3/4" x 0.039"	1.54", 1.30", 2.84"	0.394", 0.2"	30-100	可定制 Customizable	0.629

化学及机械性能 (Chemical and Mechanical Data)

牌号 Material No.	化学成分 Chemical Composition		状态 Temper	机械性能 Mechanical Property	
	铜含量 Copper % (min)	磷含量 Phosphorus %		抗拉强度 Tensile Strength	伸长率 Elongation %
C12200	99.90	0.015-0.040	O60	≥205	≥40
C12200	99.90	0.015-0.040	O50	≥245	

毛细铜管 (Capillary copper tube)



用于冰箱、冰柜末端，制冷配件；机械制造业、仪器仪表；供电、通信；医疗器械等领域。

Apply to terminations of refrigerator, freezer and refrigerating fittings, machine manufacturing, instruments and meters, power supply, communication and medical application etc.

常用规格 (Regular Size Chart)

尺寸 Size				截面面积 Cross Sectional Area of Tube Bore		每盘重量 Weight per Coil		
外径 O.D. Inch	内径 I.D. mm	Inch	mm	Inch ²	mm ²	15m	30m	30kg
0.072	1.83	0.028	0.711	0.000616	0.397	√	√	√
0.081	2.06	0.031	0.787	0.000758	0.487	√	√	√
0.087	2.21	0.036	0.914	0.001018	0.657	√	√	√
0.093	2.36	0.042	1.067	0.001315	0.893	√	√	√
0.097	2.46	0.046	1.168	0.001662	1.07		√	√
0.106	2.69	0.054	1.372	0.00229	1.48		√	√
0.112	2.84	0.059	1.499	0.002734	1.76			√
0.125	3.18	0.07	1.778	0.00848	2.48			√



铜排 (Copper bar)



主要应用于导电及建筑业。

铜排是一种大电流导电产品，适用于高低压电器、开关触头、配电设备、母线槽等电器工程，也广泛用于金属冶炼、电化电镀、化工烧碱等超大电流电解冶炼工程。电工铜排具有电阻率低、可折弯度大等优点。

Copper bar is excellent conductor for high current , features of low resistivity and could be easily bent are recognized as copper bar's huge advantages as a conductor.

铜管件 (Copper fittings)



应用于空调冰箱、水管道以及医疗气体输送等众多领域的连接管道。

Copper fittings are used in various industries, such as refrigeration & Air conditioning, plumbing, medical gas systems etc.

品名 Product	尺寸范围 Acutal Size Range
直接 Copper Coupling	1/4"-8 1/8"
异径直接 Copper Reducer	Large O.D.: 1/4"-1 5/8" Small O.D.: 1/8"-5/8"
90度短弯头 90 Degree Short Elbow	1/4"-8 1/8"
90度长弯头 90 Degree Long Elbow	3/16"-4 1/8"
45度弯头 45 Degree Elbow	1/4"-6 1/8"
P型弯头 P-Trap	5/8"-2 1/8"
U型弯头 U Bend	3/8"-2 1/8"
等径三通 Copper Tee Equal	3/16"-6 1/8"

关于铜管件的详细规格，请直接联系我们的销售人员。

Please contact our sales for more information about copper fittings.



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