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青岛宏泰铜业有限公司
Qingdao Hongtai Copper Co., Ltd.

青岛宏泰金属制品有限公司
QINGDAO HONGTAI COPPER TUBE CO., LTD.

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FOCUS ON COPPER TUBE SINCE 1993

专注紫铜管生产始于
1993



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公司简介

Company Profile

宏泰从1993年开始一直专注于紫铜管系列产品的研发和生产，是高精度高清洁R410A空调制冷铜管、给排水铜管、内螺纹铜管、蚊香盘铜管、医疗气体用铜管、外径54毫米以上大口径铜直管、暖气片铜管、空调保温管、覆塑铜水管、毛细铜管等紫铜管的专业生产厂家，宏泰铜管被广泛应用于空调主机，中央空调或多联机空调，冰箱、冰柜、太阳能、散热器、导电、健康饮用水、地暖管道安装工程、医院、医疗器械厂和造船厂等。

伴随着管理信息化的步步推进和生产设备自动化升级的完成，企业管理信息高度集中共享，全员劳动生产率得以大幅提高，宏泰人打破了以往的惯性思维，更快速接触市场和满足市场要求，以崭新的自我适应“新常态”。我们坚信把合规放在首位，走稳健经营的路是对的；我们坚信信息化和自动化直至智能化两化融合，走分工专业化的路是对的；我们坚信员工关键绩效指标考核，走绩效管理的路是对的；我们坚信宏泰经营之道厚德载物，走员工幸福的路是对的。

我们始终为客户提供有竞争力的产品和优质的服务，真诚欢迎各界朋友莅临参观、指导和业务洽谈！

注：“”、“宏泰”牌商标为青岛宏泰铜业有限公司、青岛宏泰金属制品有限公司所持有，并全权负责“”、“宏泰”牌铜管及配件产品的全部生产，其他单位所生产的“宏泰”铜管产品均可能为假冒产品，请广大客户朋友认准我们的公司名称，谨防上当。

Hongtai was established in 1993. It mainly specializes in producing and research and development various copper tubes, the professional manufacturer of R410A Air Conditioning Copper Tube, Copper Water Pipe, Inner Grooved Copper Tube, Pancake Copper Coil, Medical Gas Copper Tube, OD more than 54mm Straight Copper Pipe, Radiator Copper Tube, Insulation Copper Tube, Pe-Coated Copper Tube, Capillary Copper Tube and other copper tubes, Hongtai Copper tube is widely used in Air-Conditioner unit, Central Air Conditioning, Refrigerator, Freezer, Solar Energy, Radiators, Conductive, Healthy drinking water, Floor heating installation works, Medical device factories and Shipyards, etc.

We always provide competitive products and high-quality services for all customers. We sincerely welcome friends from all walks of life to visit, guide and negotiate business!



连续30年工程安装市场销量遥遥领先

30年

品牌创立

Top 10 Enterprises of Copper Pipe in China

HONGTAI CULTURE 宏泰经营之道

PHILOSOPHY 宏泰理念

时刻拥有创新精神 不为短期利益出卖未来

Always Keep The Spirit of Innovation
Never Betray Future for The Short-Term Interests

MANAGEMENT PRINCIPLE 宏泰经营宗旨

诚信为本 品质为魂 开拓创新 顾客满意 共创未来

Sincerity and Reliability are The Foundation
Quality is The Soul
Exploitation and Innovation
Satisfaction of The Customers
Realizing Future Together

MANAGEMENT RESUME 宏泰管理纲要

以德育人 以理服人 以情感人 环境留人 法制第一 权力第二

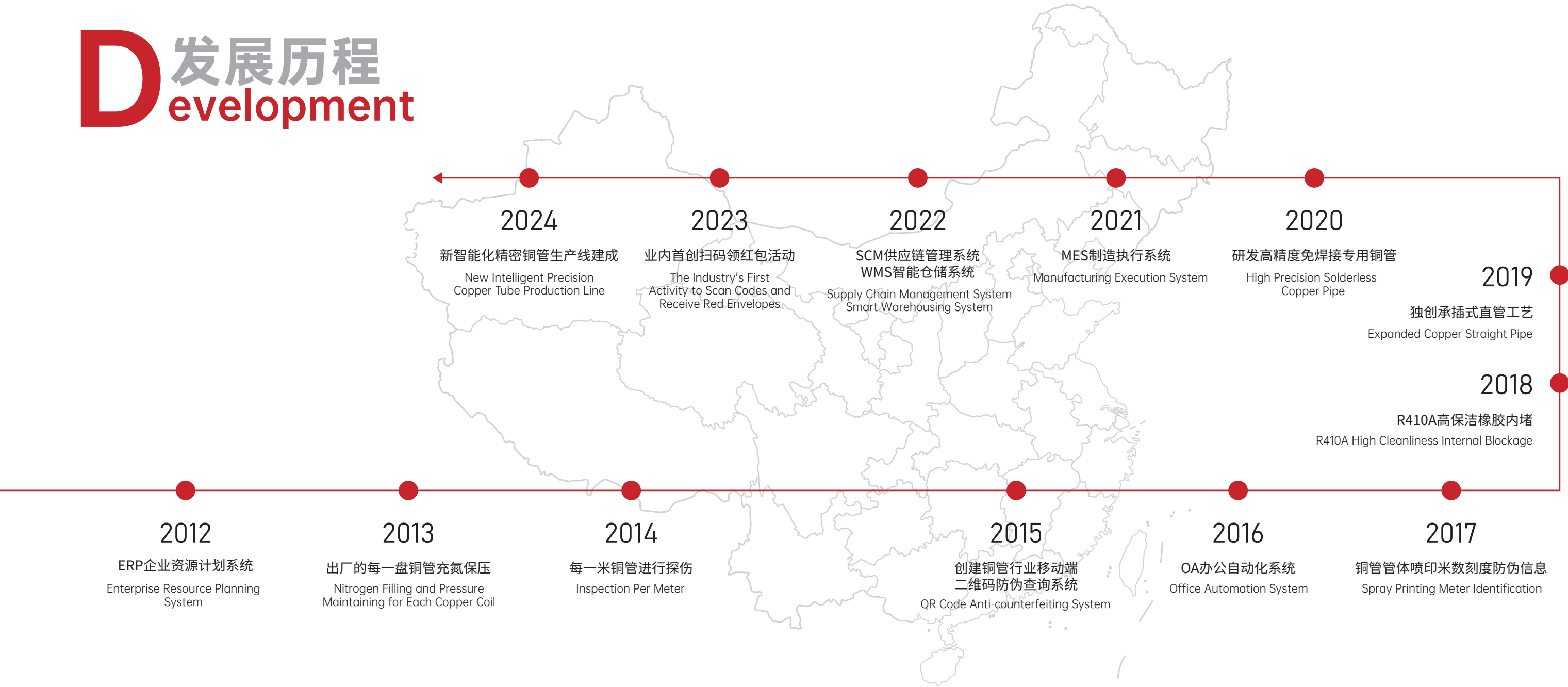
Educating Employee with Morality
Restricting Employee with Regulation
Moving Employee with Emotion
Keeping Employee Stay with Environment
Regulations First Power Second

EFFORT OBJECT 宏泰奋斗目标

企业富强 股东拥护 员工幸福 政府欢迎 宏泰百年

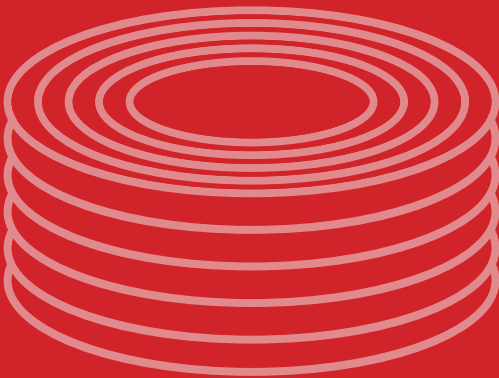
Prosperity of The Enterprise
Support of The Shareholder
Happiness of The Employees
Welcome of The Government
Hundreds of Years of Hongtai

D 发展历程 Development



100000

专注铜管生产始于1993, 年产能达100000吨
产品销往30多个国家和地区
Focus on Copper Tube Manufacturing Since 1993
Annual Production Capacity 100000 Tons

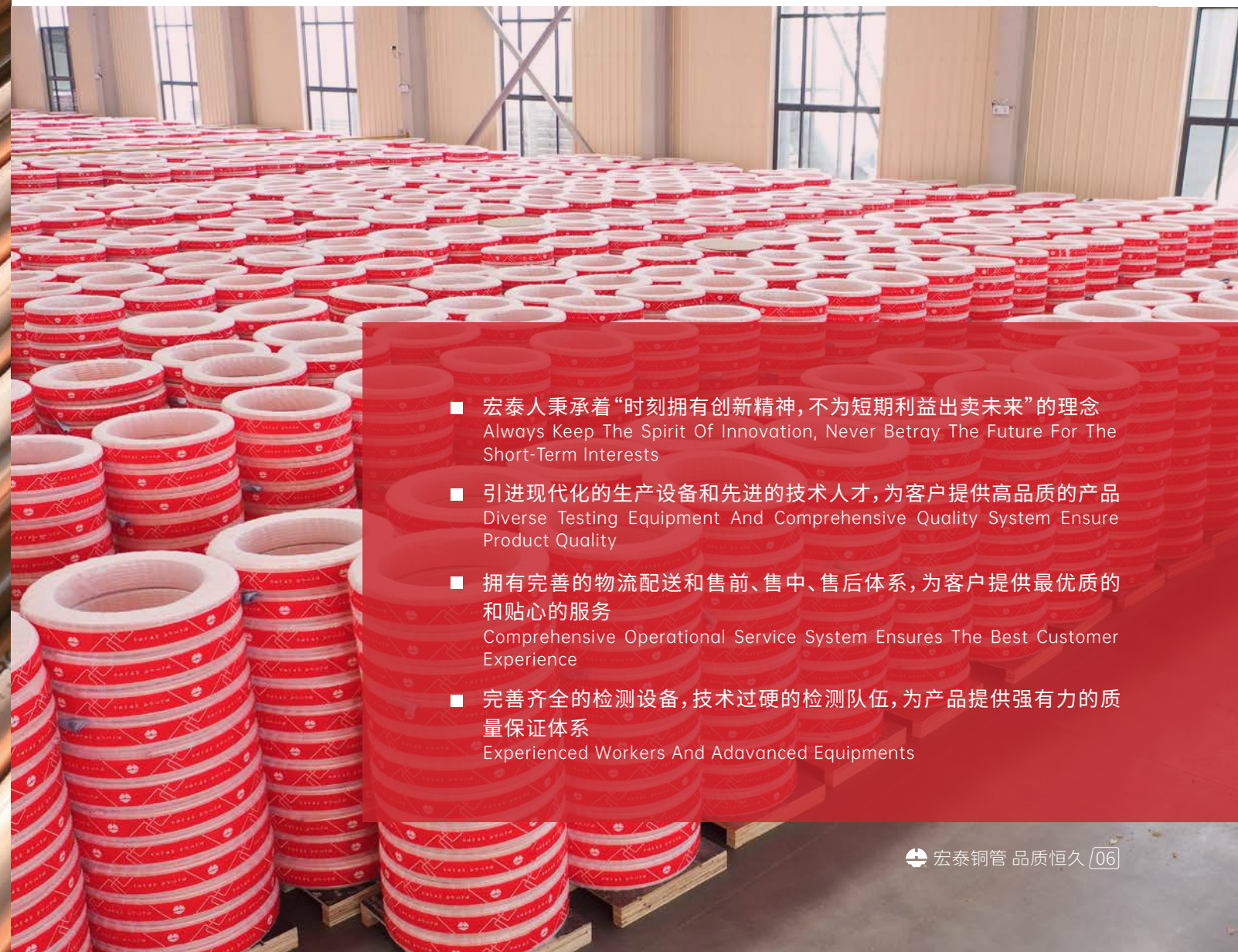


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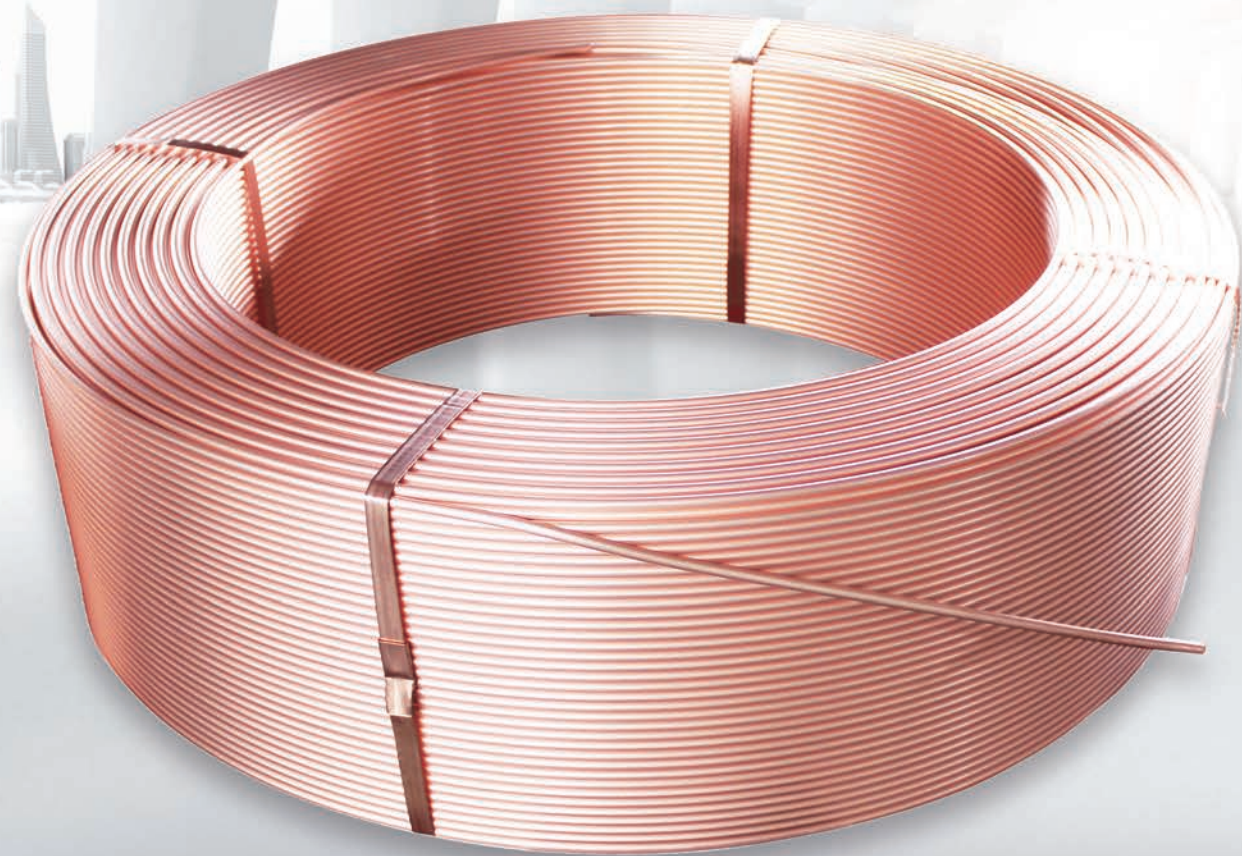
强大的铜管行业经销商网络
国内代理经销网点1000多家, 随时随地随心采购
Exported Copper Tubes to More Than 30 Countries

A 品牌优势 Advantage

- 专业紫铜管生产厂家, 多项国家标准的起草单位
Participated In Drafting Enterprise For Multiple National Standards
- 30年磨一剑, 铸就中国铜管行业前十强
Top 10 In China's Copper Tube Industry
- 100%使用纯电解铜生产, 杜绝回收废料加工
100% Cathode Electrolytic Copper As Raw Material
- 出厂的每一米铜管都经过涡流探伤
Eddy Current Testing Per Meter
- 品类齐全的紫铜管大超市, 承载优质的服务5天从青岛启航
Professional Copper Tube Manufacturer Since 1993
- 从事国际贸易20年, 客户遍及全球30多个国家和地区
Plentiful Specifications And Export Trade Experience



- 宏泰人秉承着“时刻拥有创新精神, 不为短期利益出卖未来”的理念
Always Keep The Spirit Of Innovation, Never Betray The Future For The Short-Term Interests
- 引进现代化的生产设备和先进的技术人才, 为客户提供高品质的产品
Diverse Testing Equipment And Comprehensive Quality System Ensure Product Quality
- 拥有完善的物流配送和售前、售中、售后体系, 为客户提供最优质的和贴心的服务
Comprehensive Operational Service System Ensures The Best Customer Experience
- 完善齐全的检测设备, 技术过硬的检测队伍, 为产品提供强有力的质量保证体系
Experienced Workers And Advanced Equipments



A 产品属性 Attribute

用途：主要用于空调制冷、散热器

牌号：C12200(TP2)

状态：硬态、半硬态、软态

标准：GB/T 17791-2017; GB/T 1527-2017;
ASTM B280; ASTM B68; ASTM B75;
ASTM B837; EN 12735

Application: Air conditioning and refrigeration,
radiator

Alloy No: C12200(TP2)

Temper : Hard / Half hard / Soft

Standard: GB/T 17791-2017; GB/T 1527-2017;
ASTM B280; ASTM B68; ASTM B75;
EN 12735

P 产品介绍 Presentation

- 宏泰R410A铜管为连铸连轧紫铜管，牌号为TP2，含铜量 $\geq 99.95\%$ ，含磷量为0.015~0.040%。
- 通过欧盟REACH和ROHS检验合格。
- 铜管外壁喷印“HongTai R410A”的标记，以便客户识别和追溯。
- 分盘管和直管，其中盘管按重量分为盘重100~120公斤的木盘管和盘重50~60公斤的小盘管。



- Hongtai R410A copper tube is a continuous casting and rolling copper pipe with the grade TP2, with a copper content of $\geq 99.95\%$ and a phosphorus content of 0.015-0.040%.
- Passed the EU REACH and ROHS inspections.
- The copper tube is marked with "HongTai R410A" for customer identification and traceability.
- Divided into coil tubes and straight tubes, coil tubes divided into LWC coil with unit weight 100-120 kgs and small coil with unit 50-60kgs.

A 品牌优势 Advantages

- **专业化生产经验及先进的生产技术**
公司具有30多年的铜管专业化生产经验，拥有国内先进的连铸连轧生产线。
- **完善的检测装备及管理体系**
检测设备齐全，配有德国产光谱分析仪、穿过式涡流探伤仪、金相显微镜、万能材料试验机等先进检测设备，确保出厂产品质量；通过质量、环境、职业健康安全三大管理体系认证。
- **品牌优势**
实施积极的品牌战略，在全国各地设有100余家特约经销商，并与格力、美的、LG、扬子等全国各地空调、冰箱厂家先后建立起长期合作关系。宏泰铜管被广泛应用于奥运鸟巢、北京大兴国际机场、国家图书馆、北京大学、海南海花岛、网易总部、各地高校地铁等标志性工程（详见P33典型工程案例展示）。

● Professional production experience and advanced production technology

Hongtai has over 30 years of specialized production experience in copper pipes and possesses advanced continuous casting and rolling production lines in China.

● Perfect testing equipment and management system

The testing equipment is complete, equipped with advanced testing devices such as German made spectral analyzer, through type eddy current detector, metallographic microscope, universal material testing machine, etc., to ensure the quality of the products leaving the factory; Certified through the three major management systems of quality, environment, and occupational health and safety.

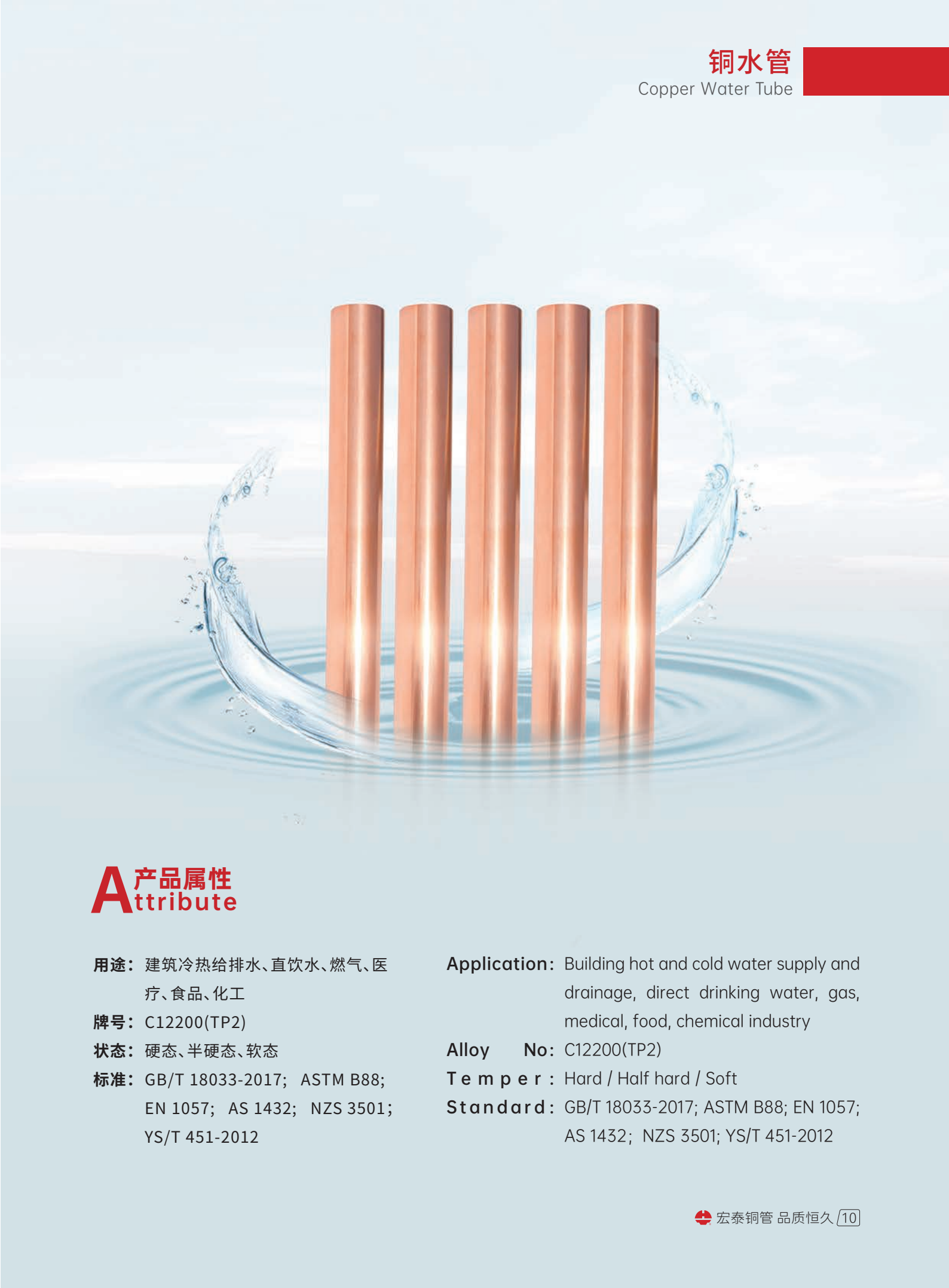
● Brand influence

Hongtai implements an active brand strategy, with more than 100 authorized distributors across the country, and has established long-term cooperative relationships with air conditioning and refrigerator manufacturers such as Gree, Midea, LG, and Yangzi. Hongtai copper tubes are widely used in iconic projects such as Beijing National Stadium, Beijing Daxing International Airport, National Library, Peking University, Hainan Ocean Flower Island, NetEase headquarters, universities and subways in various cities (see P33 typical engineering case display for details).

S 产品规格
Specifications

Type 类型	O.D. 外径 (mm)	W.T. 壁厚 (mm)	Temper 状态	Tensile strength 抗拉强度 (Mpa)	Elongation 延伸率 (%)	Burst pressure 水压爆破压力 (Mpa)
盘管 Coil	6.35	≥0.8	O60	≥225	≥45	49.56
	9.52	≥0.8	O60	≥225	≥45	31.88
	12.7	≥0.8	O60	≥225	≥45	25.41
	15.88	≥1	O60	≥225	≥45	27.18
	19.05	≥1	O60	≥225	≥45	22.53
	22.22	≥1.2	O60	≥225	≥45	23.14
	25.4	≥1.2	O60	≥225	≥45	20.13
	28.6	≥1.2	O60	≥225	≥45	17.80
直管 Straight Pipe	19.05	≥1	H80	≥315	---	22.53
	22.22	≥1.2	H80	≥315	---	19.14
	25.4	≥1.2	H80	≥315	---	20.09
	28.6	≥1.2	H80	≥315	---	17.80
	32	≥1.2	H80	≥315	---	15.85
	34.9	≥1.3	H80	≥315	---	15.74
	38.1	≥1.3	H80	≥315	---	14.38
	41.3	≥1.5	H80	≥315	---	15.34
	45	≥2	H80	≥315	---	18.89
	54	≥2	H80	≥315	---	15.65
备注 Remarks	以上规格是公制单位取近似数, 也可按照客户的要求生产。 Above specifications are metric units and can be produced according to customer requirements.					

P=2Rmt/(D-0.8t) P---极限压力 D---外径 t---壁厚 Rm---抗拉强度(抗拉强度一般用205-210)
P=2Rmt/(D-0.8t) P---Max Pressure D---O.D. t---W.T. Rm---Tensile strength (Tensile strength 205-210)



A 产品属性
Attribute

用途：建筑冷热给排水、直饮水、燃气、医疗、食品、化工
牌号：C12200(TP2)
状态：硬态、半硬态、软态
标准：GB/T 18033-2017; ASTM B88; EN 1057; AS 1432; NZS 3501; YS/T 451-2012

Application: Building hot and cold water supply and drainage, direct drinking water, gas, medical, food, chemical industry
Alloy No: C12200(TP2)
Temper: Hard / Half hard / Soft
Standard: GB/T 18033-2017; ASTM B88; EN 1057; AS 1432; NZS 3501; YS/T 451-2012

产品介绍
resentation

专注铜水管生产，引进先进的生产及检测设备，严格执行国家质量标准控制，并参与起草和制订了《无缝铜水管和铜气管》国家标准。宏泰铜水管通过检验合格，符合饮用水卫生安全要求，公司先后被评定为山东名牌、中国铜管材十强企业等荣誉称号。

- **天然杀菌和抑菌能力：**99%以上的水中细菌无法在紫铜水管中生存，有效阻止细菌繁殖。
- **优秀的物理性能：**高温膨胀系数小、低温强度大、韧性好、延展性高、内壁光洁、摩阻小、流量大、无噪音。
- **优越的耐腐蚀性：**宏泰铜水管组织结构致密，表面光洁、氮气保压，杜绝氧化并且有效隔绝有害物质侵蚀。
- **绿色环保：**可回收再利用，回收价值高。
- **使用寿命长：** 众多著名建筑已经证明铜水管的超长使用寿命，如北京协和医院、青岛对弥厄尔教堂的铜水管80年后依旧正常使用，与建筑同寿。

Focusing on the production of copper water pipe, introducing advanced production and testing equipment, strictly implementing national quality standard control, and participating in the drafting and formulation of the national standard for seamless copper water pipes and copper gas pipes. Hongtai copper water pipes have passed inspection and meet the requirements of drinking water hygiene and safety. The company has been awarded honors such as Shandong Famous Brand and China's Top Ten Copper Tube Materials Enterprises.

- **Natural bactericidal and bacteriostatic ability:**
Over 99% of bacteria in water cannot survive in copper pipes, effectively preventing bacterial growth.
- **Excellent physical properties:**
Low coefficient of thermal expansion at high temperatures, high strength at low temperatures, good toughness, high ductility, smooth inner walls, low friction, high flow rate, and no noise.
- **Superior corrosion resistance:**
Hongtai copper water pipes have a dense organizational structure, smooth surface, nitrogen pressure retention, prevent oxidation, and effectively isolate harmful substances from erosion.
- **Green and environmentally friendly:**
Recyclable and reusable, with high recycling value.
- **Long service life:**
Many famous buildings have proven the ultra long service life of copper water pipes, such as Peking Union Medical College Hospital and Qingdao's Mie'er Church. The copper water pipes are still in normal use after 80 years and have the same lifespan as the buildings.

产品规格
pecifications

光管规格表 Copper Water Tube Size

公称通径 DN/mm	公制外径 O.D./mm	壁厚 (mm) W.T.			理论重量 (kg/m) Theoretical Weight			最大工作压力 (N/mm²) Max Pressure								
		A	B	C	A	B	C	H80			H55/H58			O60/O50		
4	6	1.0	0.8	0.6	1.140	0.117	0.091	24.00	18.8	13.70	19.23	14.9	10.9	15.8	12.3	8.95
6	8	1.0	0.8	0.6	0.197	0.162	0.125	17.50	13.70	10.00	13.89	10.9	7.98	11.4	8.95	6.57
8	10	1.0	0.8	0.6	0.253	0.207	0.158	13.70	10.70	2.94	10.87	8.55	6.30	8.95	7.04	5.19
10	12	1.2	0.8	0.6	0.364	0.252	0.192	13.67	8.87	6.65	10.87	7.04	5.21	8.96	5.80	4.29
15	15	1.2	1.0	0.7	0.465	0.393	0.281	10.79	8.87	6.11	8.55	7.04	4.85	7.04	5.80	3.99
15	18	1.2	1.0	0.8	0.566	0.477	0.386	8.87	7.31	5.81	7.04	5.81	4.61	5.80	4.79	3.80
20	22	1.5	1.2	0.9	0.864	0.701	0.535	9.08	7.19	5.32	7.21	5.70	4.22	6.18	4.70	3.48
25	28	1.5	1.2	0.9	1.116	0.903	0.685	7.05	5.59	4.62	5.60	4.44	3.30	4.61	3.65	2.72
32	35	2.0	1.5	1.2	1.854	1.411	1.140	7.64	5.54	4.44	5.98	4.44	3.52	4.93	3.65	2.90
40	42	2.0	1.5	1.2	2.247	1.706	1.375	6.23	4.63	3.68	4.95	3.68	2.92	4.08	3.03	2.41
50	54	2.5	2.0	1.2	3.616	2.921	1.780	6.06	4.81	2.85	4.81	3.77	2.26	3.96	3.14	1.85
65	67	2.5	2.0	1.5	4.529	3.652	2.759	4.85	3.85	2.87	3.85	3.06	2.27	3.17	3.05	1.88
80	76	2.5	2.0	1.5	5.161	4.157	3.140	4.26	3.38	2.52	3.38	2.69	2.00	2.80	2.68	1.65
80	89	2.5	2.0	1.5	6.074	4.887	3.696	3.62	2.88	2.15	2.87	2.29	1.71	2.35	2.28	1.41
100	108	3.5	2.5	1.5	10.274	7.408	4.487	4.19	2.97	1.77	3.33	2.36	1.40	2.74	1.94	1.16
125	133	3.5	2.5	1.5	12.731	9.164	5.54	3.38	2.40	1.43	2.68	1.91	1.14	—	—	—
150	159	4.0	3.5	2.0	17.415	15.287	8.820	3.23	2.82	1.60	—	—	—	—	—	—
200	219	6.0	5.0	4.0	35.898	30.055	24.156	3.53	2.93	2.33	—	—	—	—	—	—
250	267	7.0	5.5	4.5	51.122	40.399	33.180	3.37	2.64	2.15	—	—	—	—	—	—
250	273	7.5	5.8	5.0	55.932	43.531	37.640	3.54	2.16	1.53	—	—	—	—	—	—
300	325	8.0	6.5	5.5	71.234	58.151	49.359	3.16	2.56	2.16	—	—	—	—	—	—

注：以上型号为常用型号，如有特殊要求，可按客户要求生产。
Remarks: above size are commonly used, if special requirements, can be produced according to customer requirements.

覆塑管规格表 PE-Coated Copper Pipe Size

外型 Type	塑覆层类型 Type	铜管外径 (mm) O.D.	覆塑层厚度 (mm) W.T.of Pe	覆塑层允许偏差 (mm) Tolerance of Pe
	平行环覆塑层 Type1	>φ6~φ28	1.0	±0.10
		>φ32~φ54	1.5	±0.15
	齿形环覆塑层 Type2	>φ6~φ10	1.6	±0.30
		>φ12~φ22	2.0	±0.30
		>φ25~φ35	2.5	±0.40
		>φ42~φ108	3.0	±0.50

注：客户对塑覆层厚度有特殊要求时，供需双方可另行商定塑覆的厚度及允许偏差。
Remarks: special requests can be discussed.

P 产品介绍 resentation

- **胀管服务**
采用宏泰独特的C-LOCK冷扩专利工艺,为您提供预胀管服务,有效降低施工成本,提高施工效率。
- **脱脂去油**
严格执行管壁脱脂清洁工作,使用优质金属表面清洗剂,内壁碳残留量符合国家标准要求的 $\leq 0.020\text{g/m}^2$ 。
- **资质齐全**
通过权威机构检测,符合行业标准YS/T650-2020《医用气体和真空用无缝铜管》要求,通过质量、环境、职业健康安全管理体系资质认证。
- **优质原料**
宏泰医用铜管100%选用优质电解铜为原料,纯净无杂质,使用周期长。
- **广泛的工程应用案例**
宏泰医用铜管被广泛应用于全国各地各级医院、医疗机构建设项目中,如北京天坛医院、中日友好医院、上海华山医院、湖南湘雅二院、山东省肿瘤医院、天津血液病医院、北京小汤山医院、湖北雷神山和火神山医院等。

- **Expansion tube service**
Adopting Hongtai's unique C-LOCK cold expansion patented technology, provide you with pre expansion tube services, effectively reducing construction costs and improving construction efficiency.
- **Degreasing**
Strictly implement the degreasing and cleaning work of the pipe wall, use high-quality metal surface cleaning agents, and ensure that the carbon residue on the inner wall meets the national standard requirement of $\leq 0.020\text{g/m}^2$.
- **Fully qualified**
Tested by authoritative institutions, it meets the requirements of the industry standard YS/T650-2020 "Seamless Copper Tubes for Medical Gas and Vacuum" and has passed the qualification certification of Quality, Environment, Occupational Health and Safety Management System.
- **Quality raw materials**
Hongtai Medical Copper Tube is 100% made of high-quality electrolytic copper as raw material, pure and free of impurities, with a long service life.
- **Extensive engineering application cases**
Hongtai medical copper tubes are widely used in the construction projects of hospitals and medical institutions at all levels throughout the country, such as Beijing Tiantan Hospital, China-Japan Friendship Hospital, Shanghai Huashan Hospital, The Second Xiangya Hospital, Shandong Cancer Hospital, Hangzhou Children's Hospital, Beijing Xiaotangshan Hospital, Hubei Leishen Mountain and Huoshen Mountain Hospital...

A 产品属性 Attribute

用途: 医用氧气/氮气/二氧化碳等气体输送、负压吸引系统、压缩空气系统、医用净水和空调系统
牌号: C12200(TP2)
状态: 硬态、半硬态、软态
标准: YS/T 650-2020; ASTM B819

Application: Medical oxygen / nitrogen / carbon dioxide and other gas transmission, negative pressure suction system, compressed air system, medical water purification and air conditioning system

Alloy No: C12200(TP2)

Temper: Hard / Half hard / Soft

Standard: YS/T 650-2020; ASTM B819

产品规格 Specifications

公称尺寸 (mm) DN	外径 (mm) O.D.	壁厚 (mm) W.T.		理论质量 (kg/m) Theoretical Weight		最大工作压力 (N/mm²) Max Pressure					
		类型 Type		A	B	硬态 (Y) Hard		半硬态 (Y2) Half Hard		软态 (M) Soft	
		A	B			A	B	A	B	A	B
4	6	1.0	0.8	0.140	0.117	24.00	18.80	19.23	14.93	15.83	12.3
6	8	1.0	0.8	0.197	0.162	17.50	13.70	13.89	10.87	11.44	8.95
8	10	1.0	0.8	0.253	0.207	13.70	10.70	10.87	8.55	8.95	7.04
10	12	1.2	0.8	0.364	0.252	13.67	8.87	10.87	7.04	8.96	5.80
15	15	1.2	1.0	0.465	0.393	10.79	8.87	8.55	7.04	7.04	5.80
—	18	1.2	1.0	0.566	0.477	8.87	7.31	7.04	5.81	5.80	4.79
20	22	1.5	1.2	0.864	0.701	9.08	7.19	7.21	5.70	6.18	4.70
25	28	1.5	1.2	1.116	0.903	7.05	5.59	5.60	4.44	4.61	3.65
32	35	2.0	1.5	1.854	1.411	7.54	5.54	5.98	4.44	4.93	3.65
40	42	2.0	1.5	2.247	1.706	6.23	4.63	4.95	3.68	4.08	3.03
50	54	2.5	2.0	3.616	2.921	6.06	4.81	4.81	3.77	3.96	3.14
65	67	2.5	2.0	4.529	3.652	4.85	3.85	3.85	3.06	3.17	3.05
—	76	2.5	2.0	5.161	4.157	4.26	3.38	3.38	2.69	2.80	2.68
80	89	2.5	2.0	6.074	4.887	3.62	2.88	2.87	2.29	2.36	2.28
100	108	3.5	2.5	10.274	7.408	4.19	2.97	3.33	2.36	2.74	21.94
125	133	3.5	2.5	12.731	9.164	3.38	2.40	2.68	1.91	—	—
150	159	4.0	3.5	17.415	15.239	3.23	2.82	2.56	2.24	—	—

注：最大工作压力(P)是指工作条件为65℃时，硬态管允许应力(S)为63N/mm²，半硬态管允许应力(S)为50N/mm²，软态管允许应力(S)为41.2N/mm²。
Remarks: The maximum working pressure (P) refers to the allowable stress (S) of 63N/mm² for a hard tube, 50N/mm² for a semi hard tube, and 41.2N/mm² for soft tube under working conditions of 65℃.

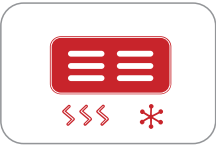
宏泰医用管道系统 Hongtai Medical Pipeline System

宏泰医用管道系统，包括医疗气体系统、空调制冷及暖通系统、净水系统、病房五恒系统。

Hongtai Medical Pipeline System includes medical gas system, air conditioning refrigeration and HVAC system, water purification system, and ward five constant system.



医疗气体系统
Medical Gas System



中央空调制冷系统
Central Air Conditioning Refrigeration System



无水地暖系统
Fluorine Underfloor Heating System



净水系统
Water Purification System



病房五恒系统
Ward Five Constant System

产品属性 Attribute

用途：散热器、暖气片、太阳能热水设备、换热器
牌号：C12200(TP2)
状态：硬态、半硬态、软态
标准：GB/T 17791-2017； GB/T 1527-2017

Application: Installation of solar water heating equipment, radiator, heat exchanger, floor heating, etc
Alloy No: C12200 (TP2)
Temper: Hard / Half Hard / Soft
Standard: GB/T 17791-2017; GB/T 1527-2017

产品介绍
Presentation

- 100%选用优质纯电解铜为原料, 杜绝回收废料。一方面从原料上控制杂质水平, 大幅降低沙眼和伤点的可能性; 另一方面高纯度的原料提高了铜管的主动防腐性能。
- 母坯管的品质是决定成品质量的基础, 完整的自动化紫铜管生产线将品质管控从坯管生产一直贯穿到成品出库。
- 先进的连铸连轧工艺使产品内部组织更致密, 质地更均匀, 特别适合于采暖散热器压水胀接工艺, 铜管能够与铝材内孔腔紧密复合, 有效减少空隙, 提高导热效率。
- 出厂的每一米铜管都经过探伤检测, 保证用户无后顾之忧。
- 产品精密度高。严格执行模具维护和分道次工序生产, 控制外径壁厚精准度; 精细的退火工艺, 为用户提供软硬适度的产品。

- 100% use high-quality pure electrolytic copper as raw material to eliminate waste. On the one hand, controlling impurity levels from raw materials significantly reduces the possibility of damage points; On the other hand, high-purity raw materials improve the anti-corrosion performance of copper pipes.
- The quality of the billet is the basis for determining the quality of the finished product, and a complete automated production line will ensure quality control from billet production to finished product delivery.
- The advanced continuous casting and rolling process makes the internal structure of the product denser, especially suitable for the water pressure expansion process of heating radiators. The copper tube can be tightly combined with the aluminum inner cavity, effectively reducing voids and improving thermal conductivity efficiency.
- Every meter of copper pipe that leaves the factory undergoes non-destructive testing to ensure that users have no worries.
- The product has high precision. Strictly implement mold maintenance and separate production processes, control the accuracy of outer diameter and wall thickness; Fine annealing process provides users with products with moderate softness and hardness.

内螺纹铜管 Inner Grooved Copper Tube



用途: 广泛应用于空调制冷行业, 内表面积的增加, 使它的导热性能要比光管提高20~30%

牌号: C12200(TP2)

状态: 软态

标准: GB/T 20928-2020; EN 12735; ASTM B280; ASTM B68; AS 1571; JIS H3300

包装: 铜管两端密封, 用塑料袋套装, 并提供木架打捆服务。

Application: High thermal conductivity, widely used in air conditioning and refrigeration industry

Temper: Soft

Standard: GB/T 20928-2020; EN 12735; ASTM B280; ASTM B68; AS 1571; JIS H3300

产品规格
Specifications

规格 Specification	米克重 Unit Weight (kgs)	外径 O.D. (mm)	内径 I.D. (mm)	底壁厚度 Bottomwall Thickness (mm)	齿槽深度 Fin Groove Depth (mm)	总壁厚 Total Wall Thickness (mm)	齿顶角 Apex Angle	螺旋角 Helix Angle	齿数 Number of Tooth
5.00X0.20+0.15-18	33	5.00	4.30	0.20	0.15	0.35	40	18	40
7.00X0.25+0.10-15	52	7.00	6.30	0.25	0.10	0.35	40	15	65
7.00X0.25+0.10-18	57	7.00	6.14	0.25	0.10	0.35	40	18	50
7.00X0.25+0.22-16	58	7.00	6.06	0.25	0.22	0.47	22	16	54
7.00X0.27+0.15-18	60	7.00	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	0.17	0.43	40	18	50
7.94X0.28+0.20-18	72	7.94	6.98	0.28	0.20	0.48	40	18	50
7.94X0.30+0.20-18	76	7.94	6.94	0.30	0.20	0.50	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	0.40	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	0.20	0.48	25	18	55
9.52X0.28+0.20-18	88	9.52	8.56	0.28	0.20	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	94	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

蚊香盘铜管 Pancake Coil



A 产品属性 Attribute

用途： 空调制冷、水管、气管、空调安装及维修用铜管、冷媒输送铜管

牌号： C12200(TP2)

状态： 软态

标准： GB/T 17791-2017; GB/T 1527-2017; GB/T 18033-2017; YS/T 450-2013; ASTM B280; ASTM B68; ASTM B75; ASTM B88; EN 12735; AS 1571; AS 1432; JIS H3300; EN 1057

包装： 铜管两端加堵头,以热收缩膜分盘封装后置入纸箱。

Application: Air conditioning, refrigeration, water pipe, gas pipe, copper tube for air conditioning installation and maintenance, copper tube for refrigerant transmission

Temper： Soft

Standard： GB/T 17791-2017; GB/T 1527-2017; GB/T 18033-2017; YS/T 450-2013; ASTM B280; ASTM B68; ASTM B75; ASTM B88; EN 12735; AS 1571; AS 1432; JIS H3300; EN 1057

P 产品介绍 Presentation

- **零伤点：**出厂的每一盘铜管均经过无损探伤,排除伤点。
 - **轻巧便携：**体积小,便于携带,多种长度随心定制。
 - **安心防护：**多重包装,隔绝氧化,层层防护,便于运输。
- Each meter of Hongtai copper tube is subject to flaw detection.
 - Support to make the short size as your convenience, easy to carry and packed.
 - Multiple packaging, isolated from oxidation, layer-by-layer protection, easy to transport.

S 产品规格 Specifications

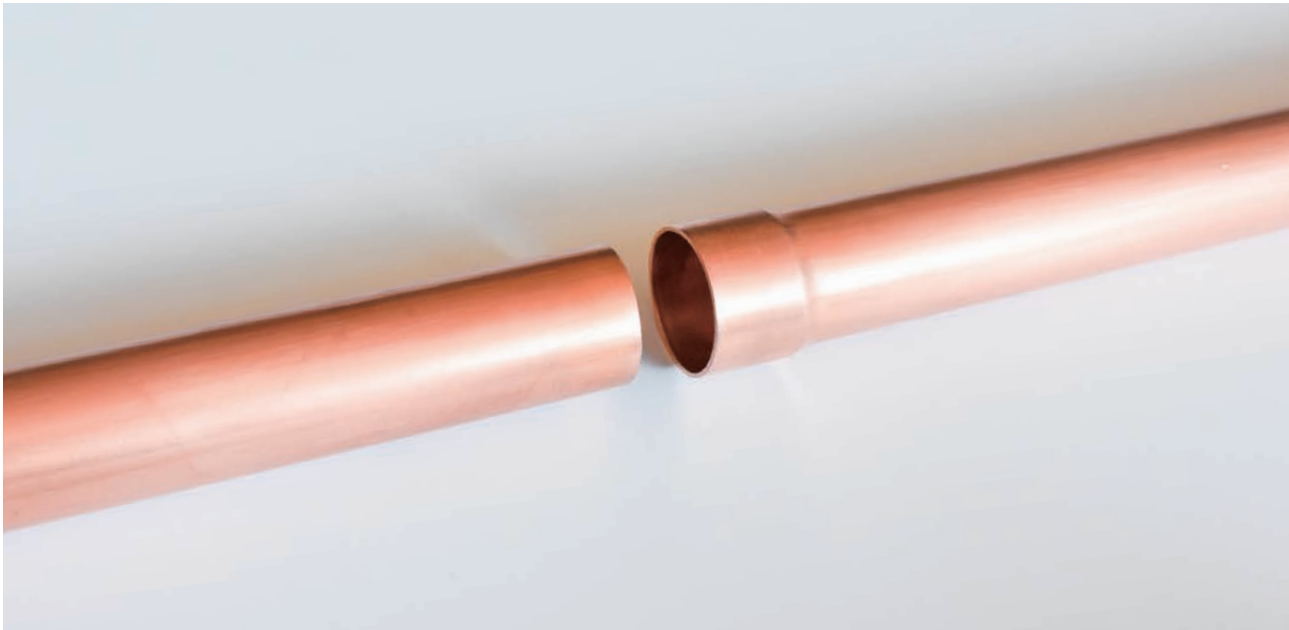
英制外径 O.D. Inches	公制外径 O.D.(mm)	壁厚 W.T.(mm)																	
		0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.10	1.15	1.20	1.25	1.50
1/8"	3.18	O	O	O	O	O	O	O	O	-	-	-	-	-	-	-	-	-	-
3/16"	4.76	-	O	O	O	O	O	O	O	O	O	-	-	-	-	-	-	-	-
1/4"	6.35	O	O	O	O	O	O	O	O	O	O	O	O	O	-	-	-	-	-
5/16"	7.94	-	O	O	O	O	O	O	O	O	O	O	O	O	O	-	-	-	-
3/8"	9.52	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	-	-	-
1/2"	12.7	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
5/8"	15.88	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O
3/4"	19.05	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O	O
7/8"	22.22	-	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O

化学成分及机械性能

Chemical and Mechanical Property

牌号 Copper alloy No.	化学成分 Chemical composition		硬度 Temper	机械性能 Mechanical property	
	铜含量 (≥) Copper%(min)	磷含量 Phosphorus%		抗拉强度 Tensile strength	延伸率 Elongation%
C12200	99.90	0.015-0.040	O60	≥205	≥40

承插式铜直管 Expanded Copper Straight Pipe



产品属性
Attribute

用途：在直管一端预制胀管,方便铜管连接

牌号：C12200(TP2)

状态：硬态

标准：GB/T 17791; GB/T 1527; GB/T 18033; YS/T 450; YS/T 650-2020

包装：铜管两端密封,用塑料袋套装,并提供木架打捆服务。

Application: prefabricate copper tube expansion / copper tube flaring to facilitate the construction of copper tube connection projects in air conditioning refrigeration, medical gas, water supply and other fields

Temper: Hard

Standard: GB/T 17791; GB/T 1527; GB/T 18033; YS/T 450; YS/T 650-2020

产品介绍
resentation

● 省时 省工 省料：

预制胀管,大幅提高施工效率;
无需人工胀管,缩减工时,降低人工成本;
节省焊条/管件与氮气使用量。

● 消除施工隐患：

告别人工胀管风险;
减少一道焊接工序,降低一半泄漏风险。

● Saving time, labor, and materials:

Prefabricated expansion pipes greatly improve construction efficiency;
No need for manual tube expansion, reducing working hours and lowering labor costs;
Save welding rods/fittings and nitrogen usage.

● Eliminating construction hazards:

Exempt from the risk of manual tube inflation;
Reduce one welding process and lower the risk of leakage by half.

保温铜管 Insulation Copper Coil



用途：空调制冷领域

牌号：C12200(TP2)

状态：软态

标准：ASTM B280; ASTM B68; AS 1571; EN 12735

包装：塑料袋包装后放入纸箱。

Application: Air conditioner andr refrigeration industries

Temper: Soft

Standard: ASTM B280; ASTM B68; AS 1571; EN12735

Package: Individually sealed by plastic bag and packed by carton box of 1-2 rolls.

产品规格
Specifications

铜管尺寸 Copper tube size		保温厚度 (mm) Thickness of insulator(mm)	长度 (mm) Length(m)
管1 Tube1	管2 Tube2		
1/4"	3/8"	8,9,10	3-50
1/4"	1/2"	8,9,10	3-50
1/4"	5/8"	8,9,10	3-50
3/8"	5/8"	8,9,10	3-50
3/8"	3/4"	8,9,10	3-50
1/2"	3/4"	8,9,10	3-50

橡塑保温管 Rubber Insulation



A 产品属性
Attribute

用途：用于空调保温、冷热水管等管道保温，广泛应用于民用及工业建筑、石油化工、冶金制造、船舶机车、航天航空、能源电力、暖通空调、冷链物流等行业

标准：GB/T 17794-2021 (B1级)； GB 8624-2012 (B1级)

Application: Air conditioning insulation, cold and hot water pipe insulation, civil and industrial construction, petrochemical industry, metallurgical manufacturing, ship and locomotive, aerospace, energy and power, HVAC, cold chain logistics and other industries

Standard: GB/T 17794-2021(B1); GB 8624-2012(B1)

P 产品介绍
resentation

- 以丁腈橡胶、聚氯乙烯为主要原料，采用“真空微晶”发泡技术，精控微发泡而成。泡孔绵密，闭孔率高。
- 导热系数低且稳定，节能效果显著。
- 防霉抗菌，绿色环保。
- 闭孔式发泡，防潮性能好，使用寿命更长。
- 弹性高，抗震性能强。

- Hongtai rubber insulation pipe uses "vacuum microcrystalline" foaming technology and fine control micro foaming. The cell is dense and the cell closure rate is high.
- The thermal conductivity is low and stable, and the energy saving effect is remarkable. Closed cell foaming, good moisture resistance and longer service life.
- Mould proof and antibacterial, green and environmental protection.
- High elasticity and strong seismic performance.
- The fire resistance is good,and plentiful specifications can meet customer demands.

S 产品规格
Specifications

内径 I.D.		内径*壁厚 I.D.*W.T.				
内径(英寸) I.D. (inch)	内径(毫米) I.D. (mm)	9mm	13mm	15mm	20mm	25mm
1/4"	6	6*9	6*13	6*15	6*20	6*25
3/8"	10	10*9	10*13	10*15	10*20	10*25
1/2"	13	13*9	13*13	13*15	13*20	13*25
5/8"	16	16*9	16*13	16*15	16*20	16*25
7/8"	19	19*9	19*13	19*15	19*20	19*25
1"	22	22*9	22*13	22*15	22*20	22*25
1 1/8"	25	25*9	25*13	25*15	25*20	25*25
1 1/4"	28	28*9	28*13	28*15	28*20	25*25
1 3/8"	32	32*9	32*13	32*15	32*20	32*25
1 1/2"	38	38*9	38*13	38*15	38*20	38*25
1 5/8"	43	43*9	43*13	43*15	43*20	43*25
1 3/4"	45	45*9	45*13	45*15	45*20	45*25
1 7/8"	48	48*9	48*13	48*15	48*20	48*25
2 1/8"	54	54*9	54*13	54*15	54*20	54*25
2 1/4"	57	57*9	57*13	57*15	57*20	57*25
2 3/8"	60	60*9	60*13	60*15	60*20	60*25
2 5/8"	67	67*9	67*13	67*15	67*20	67*25
3"	76	76*9	76*13	76*15	76*20	76*25
3 1/2"	89	89*9	89*13	89*15	89*20	89*25
4 1/4"	108	108*9	108*13	108*15	108*20	108*25

空调分歧管 Air Conditioning Disperse Pipe



产品属性
Attribute

用途：用于中央空调、VRV多联空调系统，连接主机和多个末端设备（蒸发器）的连接管

状态：硬态

Application: Central air conditioning and VRV multi connected air conditioning systems, connecting the host and multiple end devices (evaporators)

Temper：Hard

产品规格
Specifications

大金系列 DAIKIN	型号 Specification	类型 Type	A	B	C
	22T	GAS	19.05\15.88\12.7	15.88\12.7	15.88\12.7
		LIQUID	9.52	9.52\6.35	9.52\6.35
	33T	GAS	22.22\19.05	19.05\15.88	15.88\12.7
		LIQUID	12.7\9.52	9.52\6.35	9.52\6.35
	72T	GAS	31.8\28.58\25.4	25.4\19.05\15.88	19.05\15.88\12.7
		LIQUID	15.88\12.7	12.7\9.52	12.7\9.52\6.35
	73T	GAS	38.1\31.8	31.8\28.58\25.4	25.4\19.05\15.88
		LIQUID	19.05\15.88	19.05\15.88\12.7	15.88\12.7\9.52
	75T	GAS	44.5\38.1	38.1\31.8\25.4	31.8
		LIQUID	22.22\19.05	19.05\15.88\12.7	19.05

日立系列 HITACHI	型号 Specification	类型 Type	A	B	C
	52SN	GAS	15.88	15.88\12.7	15.88\12.7
		LIQUID	9.52	9.52\6.35	9.52\6.35
	102SN	GAS	22.22\19.05\15.88	22.22\19.05\15.88\12.7	15.88\12.7
		LIQUID	9.52	9.52\6.35	9.52\6.35
	162SN	GAS	28.58\25.4	28.58\25.4	22.22\19.05\15.88\12.7
		LIQUID	12.7	12.7\9.52	12.7\9.52\6.35
	242SN	GAS	28.58\25.4	28.58\25.4	22.22\19.05\15.88\12.7
		LIQUID	22.22\19.05\15.88	19.05\15.88\12.7\9.52	15.88\12.7\9.52\6.35
	302SN	GAS	38.1\34.93\31.8	38.1\34.93\31.8	28.58\25.4\22.22\19.05\15.88
		LIQUID	22.22\19.05	19.05\15.88\12.7\9.52	15.88\12.7\9.52\6.35

美的系列 Midea	型号 Specification	类型 Type	A	B	C
	01C	GAS	19.05\15.88	19.05\15.88\12.7	15.88\12.7
		LIQUID	9.52	9.52\6.35	9.52\6.35
	02C	GAS	25.4\22.22	22.22\19.05\15.88	19.05\15.88\12.7
		LIQUID	12.7\9.52	12.7\9.52\6.35	9.52\6.35
	03C	GAS	31.8\28.58	28.58\22.22\19.05	22.22\19.05\15.88
		LIQUID	19.05\15.88	15.88\12.7\9.52\6.35	12.7\9.52
	04C	GAS	38.1\34.93	34.93\28.58\22.22	28.58\22.22\19.05
		LIQUID	22.22\19.05	19.05\15.88\12.7	15.88\12.7\9.52
	05C	GAS	44.5\41.3	44.5\41.3\34.93	41.3\34.93
		LIQUID	25.4\22.22	22.22\19.05\15.88	19.05\15.88\12.7

格力系列 GREE	型号 Specification	类型 Type	A	B	C
	FQ01A	GAS	19.05\15.88\12.7	15.88\12.7\9.52	15.88\12.7
		LIQUID	9.52	9.52\6.35	9.52\6.35
	FQ01B	GAS	22.22\19.05	19.05\15.88	19.05\15.88
		LIQUID	12.7\9.52	12.7\9.52	12.7\9.52\6.35
	FQ01	GAS	22.22\19.05\15.88	19.05\15.88\12.7\9.52	19.05\15.88\12.7
		LIQUID	15.88\12.7\9.52	12.7\9.52\6.35	12.7\9.52\6.35
	FQ02	GAS	28.58\25.4\22.22	28.58\25.4\22.22\19.05	19.05\15.88\12.7\9.52
		LIQUID	15.88\12.7\9.52	15.88\12.7\9.52	12.7\9.52\6.35
	FQ03A	GAS	41.3\38.1\34.93	41.3\34.93\28.58	28.58\25.4\22.22\19.05
		LIQUID	19.05\15.88	19.05\15.88\12.7	15.88\12.7\9.52
	FQ04	GAS	53.94\41.3	53.94\41.3\34.93	34.93\28.58\25.4
		LIQUID	22.22\19.05	22.22\19.05	19.05\15.88\12.7

铜管件 Copper Fitting



用途：紫铜管连接件

材质：TP2

标准：BS 864； ANSI B16.22

Application：Copper pipe connector

Alloy No.：TP2

Standard：BS 864； ANSI B16.22

产品规格 Specifications

外形 Type	型号 Specification	尺寸 Actual Size
	等径直接 STRAIGHT COUPLING ROLLED STOP	1/4"-8 1/8"
	异径直接 REDUCER FTGXC	BIG OD:1/4"-1 5/8" SMALL OD:1/8"-5/8"
	90°短径弯头 90DEGREE SHORT ELBOW	1/4"-8 1/8"
	90°长径弯头 90DEGREE LONG ELBOW	3/16"-4 1/8"
	45°弯头 45DEGREE ELBOW CXC	1/4"-6 1/8"
	P型弯头 P-TRAP CXC	5/8"-2 1/8"
	U型弯头 U BEND CXC	3/8"-2 1/8"
	三通 COPPER TEE EQUAL	3/16"-6 1/8"

毛细铜管 Capillary Copper Tube



用途：适用于冰箱、冰柜、空调等制冷行业,常用作制冷剂输送管道;以及精密仪器、仪表、电子行业

牌号：C12200(TP2)

状态：硬态、软态

标准：GB/T 1531-2020； ASTM B360

包装：塑料袋包装后放入纸箱。

Application：Suitable for air conditioning, freezers, refrigerators, other refrigeration industries, as well as precision instruments, meters, and electronics industries

Temper：Hard / Soft

Standard：GB/T 1531-2020； ASTM B360

产品规格 Specifications

外径(英寸) O.D.(inch)	外径(毫米) O.D.(mm)	内径(英寸) I.D.(inch)	内径(毫米) I.D.(mm)	壁厚(英寸) W.T.(inch)	壁厚(毫米) W.T.(mm)
0.072	1.83	0.026	0.66	0.023	0.584
0.072	1.83	0.028	0.71	0.022	0.558
0.081	2.06	0.031	0.79	0.025	0.635
0.081	2.06	0.033	0.84	0.024	0.606
0.087	2.21	0.036	0.91	0.0255	0.648
0.087	2.21	0.039	0.99	0.024	0.606
0.093	2.36	0.042	1.07	0.0255	0.648
0.097	2.47	0.046	1.17	0.025	0.635
0.099	2.51	0.049	1.24	0.025	0.635
0.106	2.69	0.054	1.37	0.026	0.66
0.112	2.84	0.059	1.50	0.0265	0.673
0.125	3.18	0.064	1.63	0.0305	0.775
0.125	3.18	0.07	1.78	0.0275	0.698
0.125	3.18	0.075	1.91	0.025	0.635
0.145	3.68	0.08	2.03	0.0325	0.826
0.145	3.68	0.085	2.16	0.03	0.762
0.145	3.68	0.09	2.29	0.0275	0.698
0.16	4.06	0.1	2.54	0.03	0.762
0.16	4.06	0.11	2.79	0.025	0.635

铜焊条 Copper Welding Rods



用途： 主要应用于制冷、暖通、医疗输氧等管道的焊接工程

标准： GB/T 6418-2008

Application: Mainly used in the welding engineering of refrigeration, HVAC, medical oxygen transmission and other pipelines

Standard: GB/T 6418-2008

异形铜管 Electrical Copper Tubes with Rectangular, Squares Shapes Etc



用途： 导电领域和一般工程领域

牌号： C12200(TP2)、C12220(T2)

状态： 硬态、软态

标准： GB/T 1527-2017； EN 1057； ASTM B75

包装： 塑料袋缠绕，打捆。

Application: Used for electronics, electric furnaces, general engineering

Temper: Hard / Soft

Standard: GB/T 1527-2017； EN 1057； ASTM B75

电解铜 ElectrOlytic Copper Cathode



用途： 化工、电镀等领域领域

材质： 高纯阴极铜

包装： 钢带打捆

Application: Fields such as chemical engineering and electroplating

Material: High purity cathode grade copper

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A 工程案例 Application



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Ocean Flower Island



三亚保利海棠湾
Sanya Poly Haitang Bay



北京市政府(新址)
Beijing Municipal Government



三亚亚特兰蒂斯酒店
Atlantis Sanya



北京奥运鸟巢
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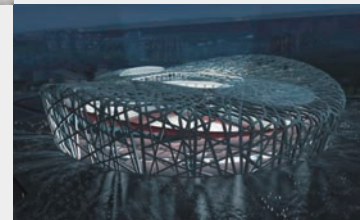
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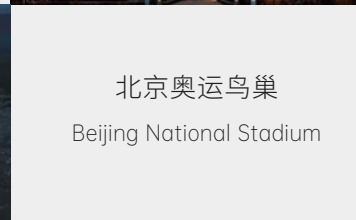
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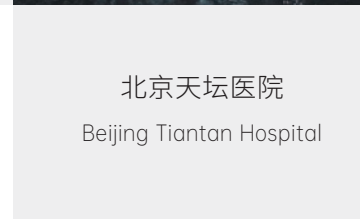
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