TUBES PVT. LTD.

jaydeep

AN ISO 9001: 2015 & BIS CERTIFIED COMPANY

www.jaydeeptubes.com

About Us

Founded in the early 1980s in Mumbai, Maharashtra, Jaydeep Tubes Pvt. Ltd. has established itself as a trusted and progressive name in the field of non-ferrous metal tube manufacturing. What began as a small enterprise has evolved into a globally recognized organization with a strong presence in both domestic and international markets.

With over four decades of industrial expertise, Jaydeep Tubes has mastered the art and science of producing high-performance Copper, Cupronickel, Nickel, and Brass tubes that meet the most demanding technical specifications. The company's reputation is built upon its unwavering commitment to quality, consistency, and innovation, which has positioned it among the foremost manufacturers in the industry.

In 1999, Jaydeep Tubes inaugurated its state-of-the-art industrial facility spread across 12,000 square meters in Umbergaon, GJ, designed to integrate advanced production technology with stringent quality assurance systems. The facility boasts an annual production capacity of 3,500 metric tons, with a strategic expansion plan to achieve 10,000 metric tons in near future.

Equipped with modern extrusion, annealing, and testing units, the manufacturing plant ensures precision engineering and reliability in every product. Continuous investments in technology and manpower training have enabled the company to maintain a high standard of operational excellence and environmental responsibility.

Jaydeep Tubes has successfully established a robust international footprint across markets such as the United Kingdom, United States, Saudi Arabia, Kuwait, and several other regions. Its products are trusted by clients in marine, heat exchanger, power generation, defence, HVAC, medical gas pipeline, and instrumentation industries, among others.

Our Infrastructure

At Jaydeep Tubes Pvt. Ltd., our modern manufacturing facility is built to deliver precision, performance, and consistent quality in every copper tube. With advanced machinery and strict quality controls at every stage, we ensure reliable, durable, and globally compliant products.

Key Highlights :

- State-of-the-art production lines & automated handling
- Complete in-house testing and quality labs
- Precision processes: melting, casting, extrusion, drawing & annealing
- Internationally certified testing equipment
- Superior dimensional accuracy and defect-free output
- Strict quality control at every production stage
- Consistent performance and long-term reliability

List of Machineries

- Melting Furnace
- Casting Machine
- Extrusion Press
- Tube Drawing Machines
- Pilger Mill
- Annealing Furnace
- Straightening Machine
- Cutting Machine
- End Facing Machine
- Tube Polishing Machine
- Coil Winding Machine
- Degreasing Line
- Air Compressor System
- Material Handling Equipment
- Automated Packing Line

List of Testing Machines

- Universal Testing Machine (UTM)
- Hardness Tester
- Eddy Current Testing Machine
- Hydrostatic Pressure Testing Machine
- Chemical Analysis Spectrometer
- Dimensional Inspection Tools
- Surface Roughness Tester
- Microstructure Examination Microscope

Our Process

Raw Material

Melting

Chemical Testing

Billet Cutting

Extrusion

Mother Tube

Pointing

Drawing

Coil/Pipe

NDT Testing

Pressure Testing

Packaging

Jaydeep Copper Straight Tubes are manufactured using high-purity copper and advanced production processes to ensure exceptional quality, precision, and reliability.

Specifications:

OD Size Range: 4 to 159mm

Thickness Range: 0.4 to 10mm or as required

Standard : ASTM B 68, ASTM B 75, BS 2871 Part 2, BS 2871 Part 3, EN 12451, JIS H 3300, IS 2501

Copper tubes are manufactured in DHP, DLP and TP grades according to the requirement.

Air-Conditioning | Medical Grade | Plumbing

CHEMICAL COMPOSITION

Materials	Grades	Product Symbol	Cu	Su	Zn	Pb	Ni	Fe	As	P	Min	S	C	Al
Copper Tubes	AST-68/75	C 12200	99.90	-	-	-	-	-	-	0.015-.040	-	-	-	-
	IS 2501	ETP Copper	99.90	-	-	0.005	-	-	-					

End Applications: Air conditioning and Refrigeration, Heat exchangers, Condensers, Evaporators, Plumbing & Sanitation, Medical & Gas applications, Solar applications, Oil burner tubing, Steam, Water, Air and Hydraulic lines, Automobiles. Chemicals & Fertilizers. Thermal power plant, Petrochemical & Oil refinery, Brewery tubes, Gas lines, Electrical Applications, Vapour lines, Locomotives etc

We are dealers in bright annealed copper coil which are both side mirror finish as per International & National Standards. Our copper coils are accredited to VRV and VRF Standards.

Bright Annealed Inside Mirror Finish As per International and National Standards ASTM/JIS/BIS/IS

Specifications:

OD Size Range: 6.35 mm to 25.4 mm

Thickness Range: 0.40 mm to 2.00 mm

Length: 20ft/ 50 ft / 100 ft or as per requirement

Temper: O

Standard : ASTM B 111, BS EN 12449, DIN 74234 90/10

End Applications: Air Condition, Refrigeration , Instrumentation & Automobile Break line

CHEMICAL COMPOSITION

Materials	Grades	Product Symbol	Cu	Su	Zn	Pb	Ni	Fe	As	P	Min	S	C	Al
Copper Tubes	AST-68/75	C 12200	99.90	-	-	-	-	-	-	0.015-.040	-	-	-	-
	IS 2501	ETP Copper	99.90	-	-	0.005	-	-	-					

90/10 Cupronickel Tubes

Our 90/10 Cupro Nickel is enhanced with Iron and Manganese for superior strength and corrosion resistance. It offers excellent protection against biofouling and erosion in marine environments, featuring exceptional weldability and mechanical stability from cryogenic temperatures to industrial applications.

Chillers | Power Plants | Defense

Specifications:
OD Size Range: 03mm to 219mm
Thickness Range: 0.3to 10mm
Industrial Standard :ASTM B 111, BS 2871, EN 12451, JIS H 3300, EEMUA Pub 144 1987, NES 779 , IS 1545

End Applications: Chillers, Heat Exchange & Condensers , Power Plants, Refineries , Desalination Plants, Ship Building & Ship Repairs, Defense

CHEMICAL COMPOSITION

Materials	Grades	Product Symbol	Cu	Su	Zn	Pb	Ni	Fe	As	P	Min	S	C	Al
90/10 Cupro Nickel Tubes	ASTM-B-111	C 70600	Remainder	-	1.0	0.05	9.11	1.0-1.8	-	-	1.0	-	-	-
					Max	Max					Max			

70/30 Cupronickel Tubes

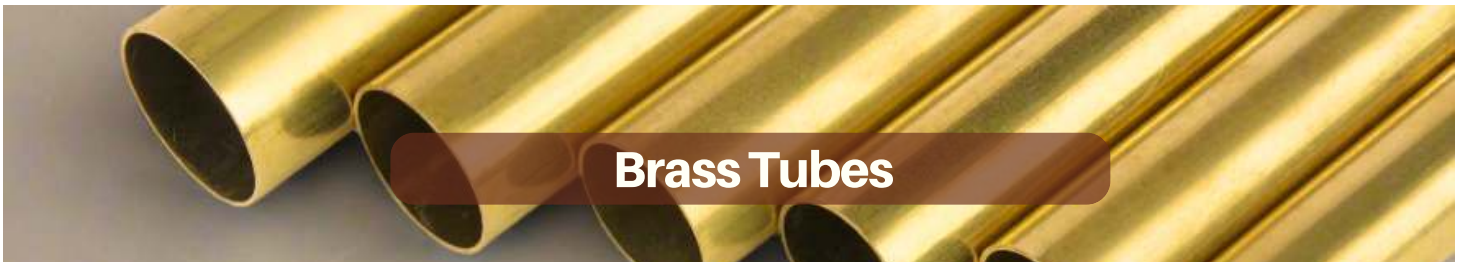
Our 70/30 Cupro Nickel Tubes have best service life under the most adverse (elevates temperatures) Conditions because of their Improved Corrosion resistance and excellent Stress Corrosion.

Specifications:
OD Size Range: 4 to 110mm
Thickness Range: 0.3 to 10mm
Standard : ASTM B 111, BS 2871, EN 12451, , JIS H 3300, EEMUA Pub 144 1987, NES 779, IS 1545

End Applications: High Capacity Power Plants, Ship Building & Ship Repairs, Heat Exchangers and condensers, Distiller Tubes, Evaporators , Ferrules

CHEMICAL COMPOSITION

Materials	Grades	Product Symbol	Cu	Su	Zn	Pb	Ni	Fe	As	P	Min	S	C	Al
70/30 Cupro Nickel Tubes	ASTM-B-111	C 715000	Remainder	-	1.0	0.05	29-33	0.4-1	-	-	1.0	-	-	-
					Max	Max					Max			



Admiralty Brass Tubes

We are Manufacturer of Admiralty Brass Tubes. We Provide Premium Quality Tubes at reasonable rates. We Produce a wide range of Admiralty Brass Tubes, which are required to Complete various Industrial applications.

Specifications:
OD Size Range: 4 to 80 mm
Thickness Range: 0.3 to 8.8 mm
Standard :ASTM B 111, BS 2871 Part 3, EN 12451, NFA 51 102, IS 1545

Ship Building | Heat Exchangers | Condensors

End Applications: Heat Exchangers, Refineries Power Plants, Desalination Plants, Ship Building & Ship Reapirs, Condeners, Ferrules , Distillers

CHEMICAL COMPOSITION

Materials	Grades	Product Symbol	Cu	Su	Zn	Pb	Ni	Fe	As	P	Min	S	C	Al
Admiralty Tube Brass	AST-68/75	C 44300	70-73	0.9-1.2	Remainder	0.07	-	0.06	0.02-0.06	-	-	-	-	-
						Max		Max						

Aluminium Brass Tubes

Jaydeep Aluminium Brass Tubes (C68700) offer exceptional resistance to impingement and brackish water, featuring a self-healing protective film ideal for high-velocity marine environments.

Specifications:
OD Size Range: 4 to 80 mm
Thickness Range: 0.3 to 8.8 mm
Standard :ASTM B 111, BS 2871, EN 12451, NFA 51 102, and IS 1545.

End Applications: Heat Exchangers, Refineries, Power Plants, Desalination Plants, Ship Building & Ship Repairs, Condeners, Ferrules, Distillers

CHEMICAL COMPOSITION

Materials	Grades	Product Symbol	Cu	Su	Zn	Pb	Ni	Fe	As	P	Min	S	C	Al
Aluminium Brass Tubes	ASTM-B-111	C 68700	76-79	-	Remainder	0.07	-	0.06	0.02-0.06	-	-	-	-	1.8-2.5
						Max		Max						

70/30 and 63/37 Brass Tubes

Jaydeep Brass Tubes are high-quality copper-zinc alloys known for their exceptional cold-working properties, corrosion resistance, and bright finish.

Specifications:
OD Size Range: 4 to 60 mm
Thickness Range: 0.3 to 10 mm
Standard : ASTM B135, BS 2871, EN 12451, JIS H3300, and IS 1545 / IS 407

End Applications: 70/30 and 63/37 brass tubes are widely used in the sugar industry, plumbing systems, heat exchangers, radiators, electrical components, and general engineering applications.

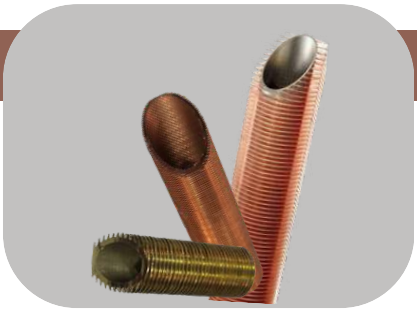
CHEMICAL COMPOSITION

Materials	Grades	Product Symbol	Cu	Su	Zn	Pb	Ni	Fe	As	P	Min	S	C	Al
67/37 & 70/30 Brass Tubes	AST - B 135	C 27200	62-65	-	Remainder	0.07	-	0.07	-	-	-	-	-	-
	AST - B 135	C 26000	68.5-71.5	-		0.07	-	0.05	-	-	-	-	-	-

Our Other Product Range

PVC Coated Copper Tube & Coils

OD Size Range: 4 MM OD to 25.4 mm
Tube Thickness Range: 0.5 tmm o 2 mm PVC Thickness upto 2 mm
Length : In cut length from 2 mtr to 14 mtr
Standard: ASTM B 68 / 75 with PVC coating as per ASTM D 1047
Temper: O es , Instrumentations Industries Plumbing & Drainage



Finned Tubes

- Low Finned Tubes
- Enhanced Surface Finned Tubes.
- Wire wound Fin Tubes.

We Manufacture the above kinds of Finned Tubes with 19, 26, 32, 36, 39 & 42 Fins per Inch with inner grooves as per client requirement.
Material: Copper , Cupro Nickel 90/10, 70/30, Admiralty Brass, Aluminium Brass
Industries: Chillers & Heat Exchangers

Butt & Socket Welding Fittings

Size : 6 mm to 219 mm
Shapes: Elbow, Tee, Coupling, Reducers,stubends or any non-standard types
Types: Seamless/ Flared/ Unflarred/ Threaded
Grade: Copper/ Cupro- Nickel/ Brass
Cupronickel: 90/10 and 70/30 Brass

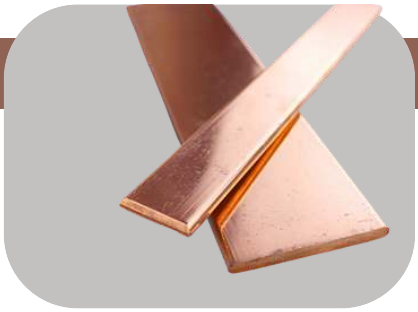


Plate & Bar Stock

OD Size Range: 70 to 250 mm Round bra, Plate, and Flanges
Length - Upto 5 mtrs
Plate Size - Upto 2000m width and 4000m length
Thickness- upto 25 mm

note: We make flanges as per client requirement

U BEND TUBES AS PER ASTM B 395

Alloys: Copper, Cupro Nickel 90/10, 70/30, Admiralty Brass, Aluminium Brass
OD - 12.7 TO 28 MM
Thickness - UPTO 2.5 MM
Straight Length- 6100 mm
We also make finned U bends as per requirment

Certifications

Certificate of Registration

This certificate has been awarded to

Jaydeep Tubes Pvt. Ltd.

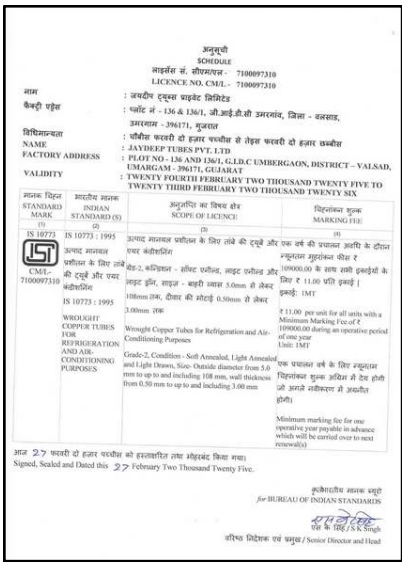
Plot No. 136 & 136/1, G.I.D.C., Umbergaon, Dist.-Valsad, Gujarat, 396171, India

In recognition of the organization's Quality Management System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

Manufacture and Supply of Brass, Copper, Cupro Nickel 90/10 and 70/30, Aluminium Brass, Admiralty Brass, Pipes and Tubes



अनुसूची
SCHEDULE

लाइसेंस सं. सीएम/एल - 7100097310
LICENCE NO. CM/L - 7100097310

नाम : जयदीप ट्यूब्स प्राइवेट लिमिटेड

कैक्ट्री एड्रेस : प्लॉट नं - 136 & 136/1, जी.आई.डी.सी उमरगांव, जिला - वलसाड, उमरगाम - 396171, गुजरात

विधिमान्यता : पच्चीस फरवरी दो हजार पच्चीस से तेइस फरवरी दो हजार छब्बीस

NAME : JAYDEEP TUBES PVT. LTD

FACTORY ADDRESS : PLOT NO - 136 AND 136/1, G.I.D.C UMBERGAON, DISTRICT – VALSAD, UMARGAM - 396171, GUJARAT

VALIDITY : TWENTY FOURTH FEBRUARY TWO THOUSAND TWENTY FIVE TO TWENTY THIRD FEBRUARY TWO THOUSAND TWENTY SIX

मानक चिह्न STANDARD MARK	भारतीय मानक INDIAN STANDARD (S)	अनुज्ञप्ति का विषय क्षेत्र SCOPE OF LICENCE	विपत्रांकन शुल्क MARKING FEE
(1)	(2)	(3)	(4)
ISI CM/L-7100097310	IS 10773 : 1995	उत्पाद मानकवार प्रशीतन के लिए तांबे की ट्यूबें और एयर कंडीशनिंग	एक वर्ष की प्रचालन अवधि के दौरान न्यूनतम मूल्यांकन फीस ₹ 109000.00 के साथ सभी इकाईयों के लिए ₹ 11.00 प्रति इकाई। इकाई: 1MT
	IS 10773 : 1995 WROUGHT COPPER TUBES FOR REFRIGERATION AND AIR-CONDITIONING PURPOSES	ग्रेड-2, कंडिशन - सॉफ्ट एनील्ड, लाइट एनील्ड और लाइट ड्रॉन, साइज़ - बाहरी व्यास 5.0mm से लेकर 108mm तक, दीवार की मोटाई 0.50mm से लेकर 3.00mm तक Wrought Copper Tubes for Refrigeration and Air-Conditioning Purposes Grade-2, Condition - Soft Annealed, Light Annealed and Light Drawn, Size- Outside diameter from 5.0 mm to up to and including 108 mm, wall thickness from 0.50 mm to up to and including 3.00 mm	₹ 11.00 per unit for all units with a Minimum Marking Fee of ₹ 109000.00 during an operative period of one year Unit: 1MT एक प्रचालन वर्ष के लिए न्यूनतम चिह्नांकन शुल्क अदेय से देय होगी जो अगले नवीकरण में अन्तरित होगी। Minimum marking fee for one operative year payable in advance which will be carried over to next renewal(s)

आज 27 फरवरी दो हजार पच्चीस को हस्ताक्षरित तथा मोहरबंद किया गया।
Signed, Sealed and Dated this 27 February Two Thousand Twenty Five.

कृते भारतीय मानक ब्यूरो
for BUREAU OF INDIAN STANDARDS

ए के सिंह/A K Singh
वरिष्ठ निदेशक एवं प्रमुख / Senior Director and Head

Industries We Serve

- Petrochemical & refinery plants
- Chemical manufacturing plants
- Textile industry establishments
- Pulp & paper mills
- Offshore petroleum and oil & gas industry
- Shipbuilding and ship repair yards
- Heat-exchanger and thermal equipment manufacturers
- Fertilizer production plants
- Cement industry facilities
- Sugar mills and allied sugar industry units
- General mechanical/engineering fabrication workshops and equipment manufacturers (for processed equipment supplies)

Goa Shipyard Limited
Ship Builders, Ship Repairers & Engineers
(A Govt. of India Undertaking - Ministry of Defence

COCHIN SHIPYARD LIMITED
A GOVERNMENT OF INDIA ENTERPRISE
A MINIRATNA SCHEDULE A COMPANY UNDER
THE MINISTRY OF PORTS, SHIPPING AND WATERWAYS

HSL

BHEL

CELEBRATING 250 YEARS

GRSE

البترول الوطنية
KNPC

Serving industries where precision, strength, and reliability matter.
Engineered solutions for critical applications worldwide.

VRV / VRF STANDARD WEIGHT CHART
SPECIFICATION AND SIZES FOR VRF COMPATIBLE AIRCONDITION GRADE COPPER STRAIGHT TUBES

SR. NO	CATEGORY	SIZES DESCRIPTION	TEMPER	WEIGHT PER METER [IN KGS]	WEIGHT PER TUBE (10 FEET) [IN KGS]
1	VRV / VRF	1/4" (6.35 mm) * 21 SWG (0.80mm)	HARD	0.125	0.380
2	VRV / VRF	3/8" (9.52 mm) * 21 SWG (0.80mm)	HARD	0.197	0.600
3	VRV / VRF	1/2" (12.70 mm) * 21 SWG (0.80mm)	HARD	0.267	0.815
4	VRV / VRF	5/8" (15.88 mm) * 19 SWG (1.00mm)	HARD	0.418	1.275
5	VRV / VRF	3/4" (19.05 mm) * 19 SWG (1.00mm)	HARD	0.507	1.545
6	VRV / VRF	7/8" (22.22 mm) * 19 SWG (1.00mm)	HARD	0.595	1.815
7	VRV / VRF	1" (25.40 mm) * 20 SWG (0.90mm)	HARD	0.623	1.900
8	VRV / VRF	1" (25.40 mm) * 19 SWG (1.00mm)	HARD	0.686	2.090
9	VRV / VRF	1 1/8" (28.57 mm) * 19 SWG (1.00mm)	HARD	0.774	2.360
10	VRV / VRF	1 1/4" (31.75 mm) * 18.5 SWG (1.10mm)	HARD	0.945	2.880
11	VRV / VRF	1 3/8" (34.92 mm) * 18 SWG (1.21mm)	HARD	1.145	3.490
12	VRV / VRF	1 1/2" (38.10 mm) * 17.5 SWG (1.32mm)	HARD	1.362	4.150
13	VRV / VRF	1 5/8" (41.28 mm) * 17 SWG (1.43mm)	HARD	1.599	4.875
14	VRV / VRF	1 3/4" (44.45 mm) * 16 SWG (1.62mm)	HARD	1.947	5.935
15	VRV / VRF	2 1/8" (54.00 mm) * 16 SWG (1.62mm)	HARD	2.380	7.255

VRV / VRF STANDARD WEIGHT CHART
SPECIFICATION AND SIZES FOR VRF COMPATIBLE AIRCONDITION GRADE COPPER PANCAKE COILS

SR. NO.	CATEGORY	SIZES DESCRIPTION	TEMPER	WEIGHT PER METER [IN KGS]	WEIGHT PER COIL (50 FEET) [IN KGS]
1	VRF/VRV	1/4" (6.35 mm) * 21 SWG (0.80mm)	Soft	0.125	1.900
2	VRF/VRV	3/8" (9.52 mm) * 21 SWG (0.80mm)	Soft	0.197	3.000
3	VRF / VRV	1/2" (12.70 mm)*21 SWG (0.80mm)	Soft	0.262	4.000
4	VRF / VRV	5/8" (15.88 mm) * 19 SWG (1.00mm)	Soft	0.420	6.400
5	VRF / VRV	3/4" (19.05 mm) * 19 SWG (1.00mm)	Soft	0.512	7.800
6	VRF / VRV	7/8" (22.20 mm) 20.25 SWG (0.88mm)	Soft	0.525	8.000

TUBES PVT. LTD.

jaydeep

An ISO 9001: 2015 Certified Company

Registered Office :

Shop No: 1, Ground Floor, Servants of India
Building 413, S.V.P. Road,
Opp. Vanita Vishram School, Mumbai
Maharashtra India - 400 004.

Factory :

Plot No: 136 & 136/1,
GIDC,Umbergaon,
Gujarat 396165

Email : sales@jaydeeptubes.com

Website : www.jaydeeptubes.com