



Siddhartha Metal Industries

WWW.SIDDHARTHAMETAL.IN

Everything you need in **Copper**,
Delivered with dependable **Quality**



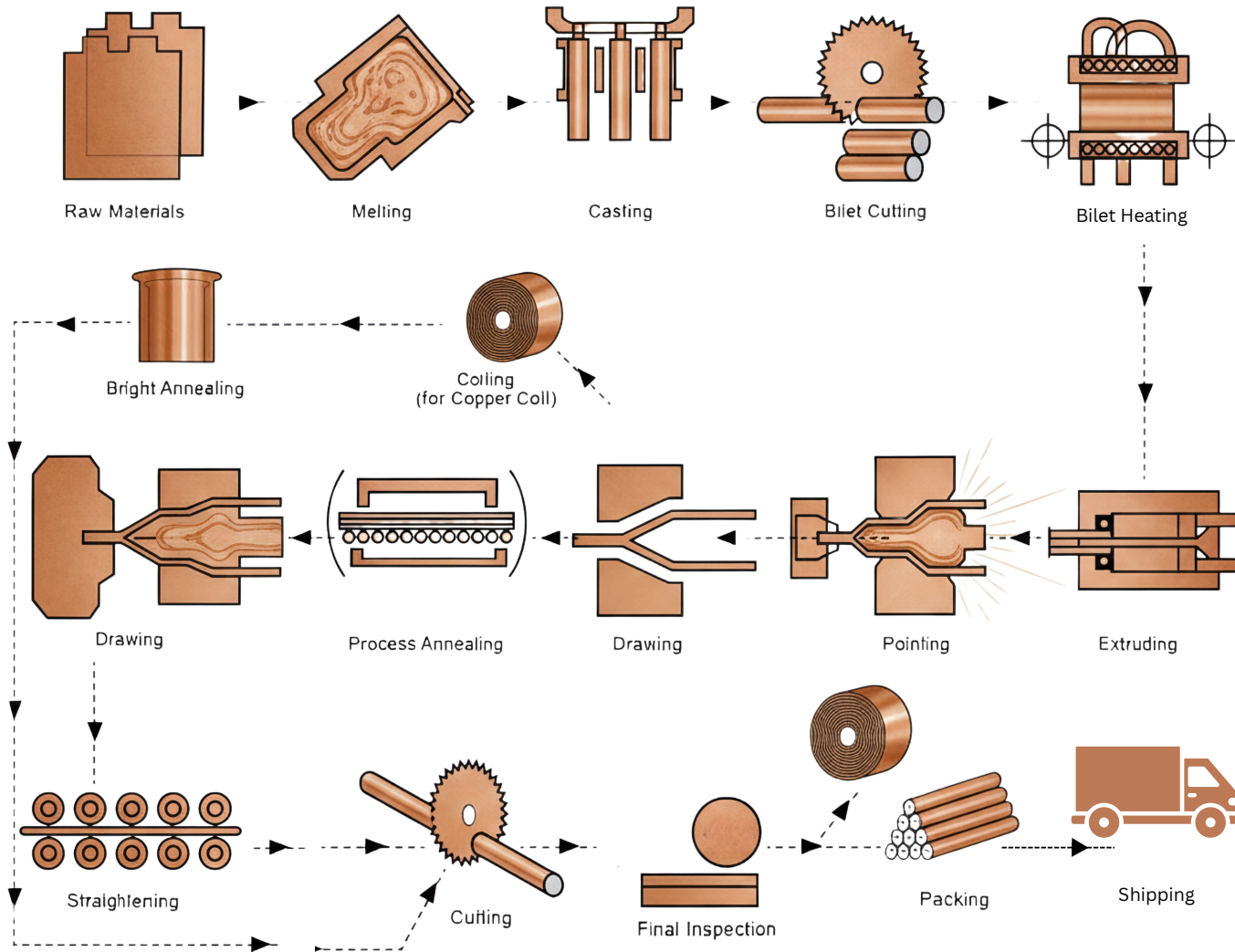
Who We Are

Siddhartha Metal Industries is a professionally managed manufacturer and supplier of high-quality copper and copper alloy products, serving a wide range of industrial applications across India.

Backed by modern manufacturing practices, skilled workforce, and stringent quality control systems, we focus on delivering precision-engineered copper solutions that meet the evolving requirements of OEMs, contractors, and industrial clients.

Our commitment lies in maintaining consistent quality, dimensional accuracy, and dependable performance across every product we manufacture. With transparent business practices and a customer-centric approach, we aim to build long-term partnerships based on trust, reliability, and technical excellence.

Our Manufacturing Process



Industries We Serve

- HVAC & Refrigeration
- Electrical & Electronics
- Engineering & Fabrication
- Infrastructure & Construction
- Power & Energy
- Industrial Manufacturing
- Heat Exchanger
- Cooling coil
- Condenser
- Chiller
- Isolater
- Electric Heater



Copper Tubes

Our Copper Tubes are manufactured to deliver excellent thermal conductivity, mechanical strength, and dimensional precision, making them suitable for demanding industrial environments.

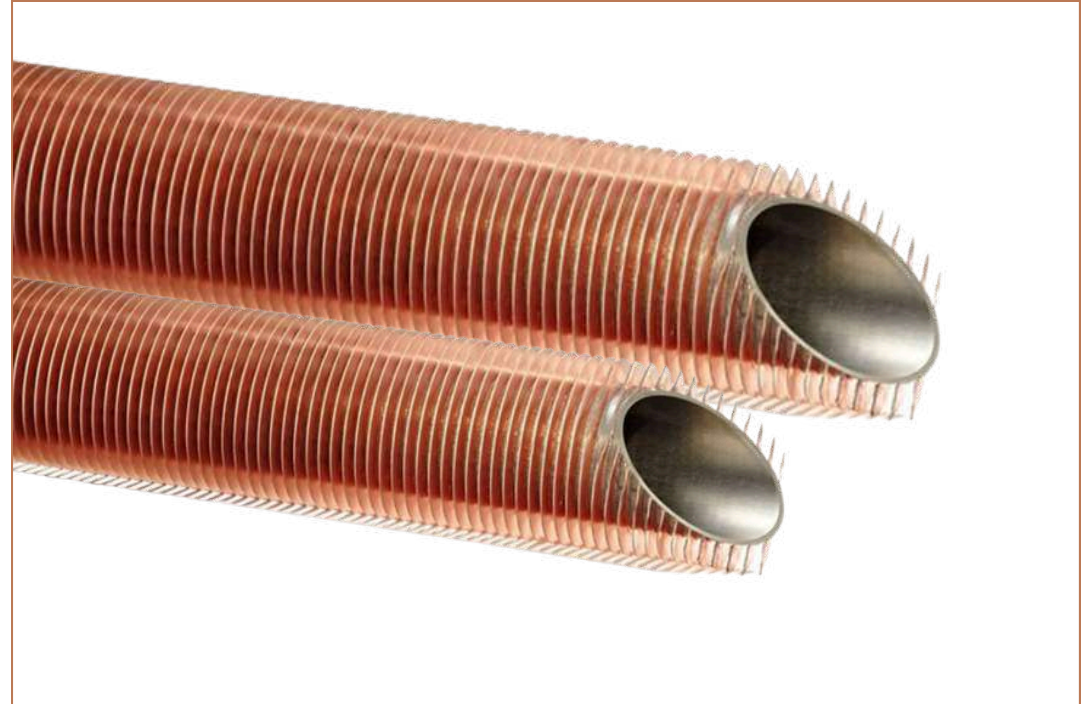
Produced using high-purity copper and controlled processes, these tubes offer smooth internal surfaces, uniform wall thickness, and strong resistance to corrosion and pressure.

Specifications:

- Sizes : 5 mm OD to 120 mm OD
- Length : upto 10 mtrs or as required
- Thickness : 0.30 mm to 10 mm
- Temper : O/HH/H

Applications:

HVAC systems, refrigeration units, plumbing, and industrial piping.



Copper Finned Tubes

Our Finned Copper Tubes are engineered to enhance heat transfer efficiency in thermal systems. Precisely bonded fins increase surface area, improving performance while maintaining structural integrity.

These tubes help optimize energy efficiency and system output, making them ideal for continuous thermal applications.

Specifications:

- OD Size Range : 12.7 mm to 19.5 mm
- Thickness Range : 18 G (1.2 mm) to 14 G (2.0 mm)
- Length: Specific Length or upto 10 mtr
- Temper: O/HH

Applications:

Heat exchangers, condensers, evaporators, cooling systems.



Copper Fittings

Our Copper Fittings and components are designed for secure connections, durability, and leak-proof performance across various systems. Precision manufacturing ensures compatibility, ease of installation, and long service life.

Specifications:

- Size : 6 mm to 250 mm
- Shapes : Elbow, Tee, Coupling, Reducers, End caps or any non-standard types
- Types : Seamless/ Flared/ Unflared/ Shouldered
- Grade : Copper

Applications:

HVAC installations, plumbing systems, industrial piping networks.



Copper Coils

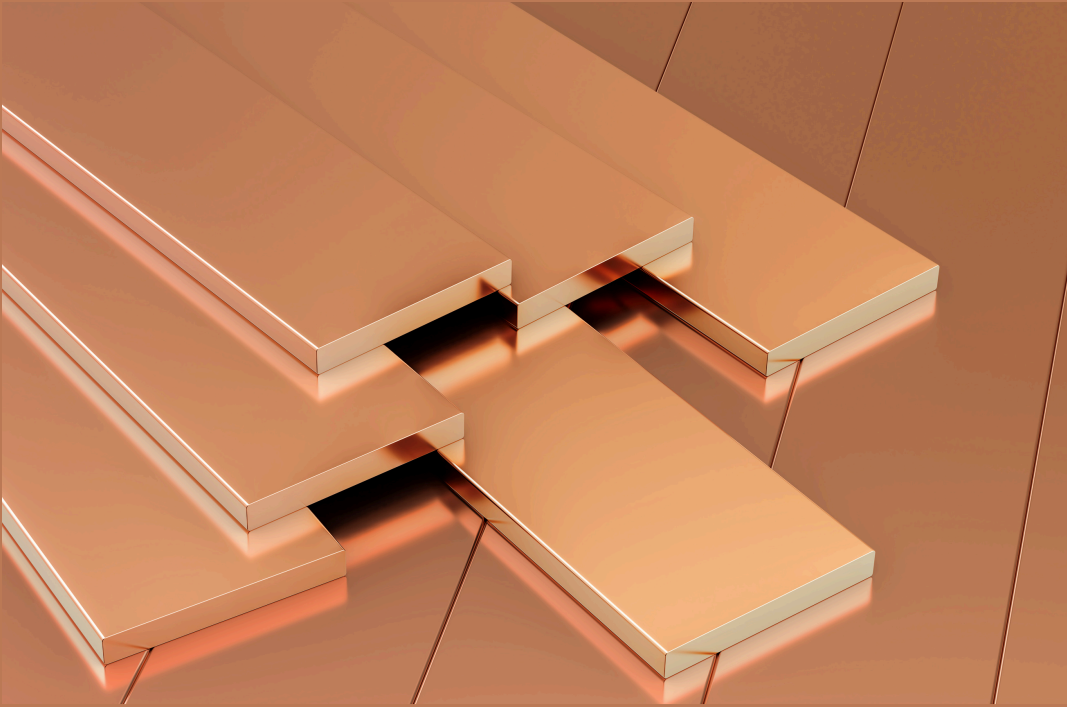
Manufactured with precision winding and high surface quality, our Copper Coils offer excellent flexibility, conductivity, and ease of installation. Designed for efficient heat and electrical transfer, these coils deliver stable performance even in demanding operational conditions.

Specifications:

- Sizes : 3/16" (4.76 mm) OD to 3/4" (19.05 mm)
- Length : 50 FT or as per requirement
- Thickness : 27 G (0.40 mm) to- 18 G (1.25 mm)
- Temper : O

Applications:

Air-conditioning systems, Refrigeration, and heat transfer equipment.



Copper Flats

Our Copper Flats are manufactured with strict dimensional control and consistent material quality, ensuring reliable performance across electrical and industrial applications. Produced using high-grade copper, these flats deliver excellent electrical conductivity, mechanical strength, and surface uniformity.

Specifications:

Sizes: Width up to 250 mm

Thickness upto 25mm

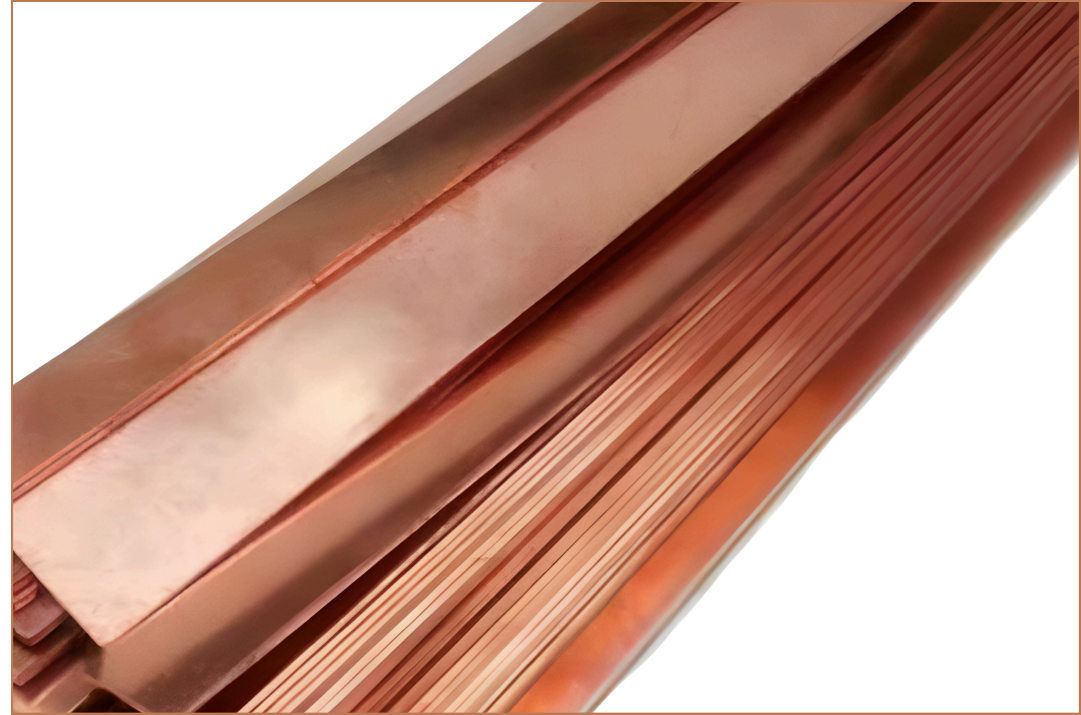
Length: As per the customer's specifications

Temper: HH, O

Grade : Commercial, EC, ETP, OFHC.

Applications:

Busbars, electrical panels, transformers, earthing systems, and industrial electrical assemblies.



Copper Strips

Our Copper Strips are designed to meet the demands of precision electrical and industrial fabrication, offering superior conductivity and excellent formability. Manufactured with close tolerances, these strips ensure uniform thickness, consistent width, and reliable performance in every application.

Specifications:

Sizes: 25mm up to 80 mm

Thickness : 2mm upto 10 mm

Length: Straight and Coil

Temper: HH, O

Grade : Commercial, EC, ETP, OFHC.

Applications :

Electrical connectors, busbar laminations, transformer components, switchgear parts, and earthing applications.



90/10 Cupro Nickel

Our 90/10 Cupro Nickel, strengthened with Iron and Manganese, offers excellent corrosion resistance, biofouling and erosion protection in marine environments, along with superior weldability and stable performance from cryogenic to industrial temperatures.

Specifications:

OD Size Range: 03 mm to 219 mm

Thickness Range: 0.3 to 10 mm

Applications:

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



70/30 Cupro Nickel

Our 70/30 Cupro Nickel Tubes deliver long service life in high-temperature and harsh conditions, with enhanced corrosion and stress-corrosion resistance.

Specifications:

OD Size Range: 4 to 110 mm

Thickness Range: 0.3 to 10 mm

Applications :

Heat Exchangers and condensers, Distiller Tubes, Hgh Capacity Power Plants, Ship Building & Ship Repairs, Evaporators, Ferrules

Quality Commitment

Quality is integral to every stage of our manufacturing process. From raw material selection to final inspection, we ensure that every product meets high standards of performance and reliability.

Our focus includes:

- High-grade raw materials
- Controlled manufacturing processes
- Strict quality inspections

Continuous improvement practices



SR No	Description	Characteristic Check	Percentage	Acceptance Standard
1	Dimensional Inspection	OD, Thickness, Length	100%	As per specification
2	Visual Inspection	Burr, Oxidation, Deep Scratches, Scaling, Pitting	100%	Free from defects
3	Physical Testing	UTS, Flattering Test, Expansions Test, Hardness Test, Yield, Alongation, Grain Size, M.N. Test	Two sample per lot	As per requirement
4	Chemical Testing	Chemical Analysis	Two sample per lot	As per specification
5	Documentation	Physical Test Report, Chemical Test Report, Own Inspection Report	100%	All inspection and test report shall be available at QC Department
6	Dispatch	Type of Packaging/ Case	100%	As per PO all material shall be segregated to avoid scratches

Contact Us

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