



Estd.1961

Krishna Engineering Industries



Choose the Best
BE AHEAD OF THE REST

- **OUR AIM**
- **BEST QUALITY**
- **CONSISTENCY**
- **RELIABILITY**

www.krishnaengg.com



ABOUT US

KRISHNA ENGINEERING INDUSTRIES is at present one of the leading manufacturers of Copper and Copper alloys Strips, Sheets and Foils forms in India, with being a major supplier to the Electrical and Automotive industry **Since 1935**.

KRISHNA ENGINEERING INDUSTRIES is well equipped with latest and sophisticated machinery in its Plant. A dominant player for over six decades in the copper industry.

KRISHNA ENGINEERING INDUSTRIES strong customer base which includes some of the biggest names of the Indian industry circles. Ready availability of stock, competitive pricing, flexibility in trade, terms and conditions, and going the last mile to ensure customer satisfaction are some of the USPs of KRISHNA ENGINEERING INDUSTRIES which have helped the company cement its Numero Uno status.

OUR JOURNEY

- Commenced in 1935, with manufacturing of Copper & Copper Alloy Utensils. Since its inception KRISHNA ENGINEERING INDUSTRIES has always strived hard to provide complete satisfaction to our customers.
- In the year 1961, with the vision to cater to the industry in a big way and started manufacturing of Copper & Copper Alloy sheets.
- In 1977, we introduced non ferrous metal directly to the industries.
- In 1996, we installed rolling mill & other ancillary equipment for manufacturing of Sheets up to 1250 mm width.
- In 2001, we acquired a continuous coil rolling mill plant, bell furnaces, slitting lines & pickling lines.
- In 2004, started manufacturing & producing radiators foils up to 0.05 mm thickness with the installation of Waterbury Farrel (USA) Sendzimir Rolling Mill.
- In 2006, we installed our first Horizontal Continuous Strip Caster of Wertli Make for Copper Alloys.
- In 2007, procured & installed our first Cold Rolling Breakdown Mill of Sir James Farmer Norton England Make for Continuous Coils.
- In 2012, we installed state of the art Finish Cold Rolling Mill of RWF Germany Make equipped with thickness gauges.
- In 2015, installed Spectrometer (Germany), Computerized Universal testing machine, Computerized Vicker's Hardness testing machine etc.
- In 2016, added many latest equipments like Cold break down mill (Pitel Make), Two side face Milling line, Bell furnaces, Slitting lines, Pickling lines.

MISSION

We believe in making a long-term relation with our customers and thus emphasize on providing quality COPPER & BRASS products to them. The raw material is procured from our most reliable and trusted vendors, we provide best quality copper products to our customers. For providing the quality copper and brass products consistently, we are able to cater a huge clientele today. With our customer-driven approaches, we are quite appraised among our huge customers group. In addition, we are flexible in our business approach to best suit the precise needs of customers. KEI, in the Indian market has made its own path and is today one of the leading manufacturers of Copper & Copper Alloy Sheets, Strips & Foils mainly offering in Copper Electrolytic, Brass & Phosphor Bronze Grades.

VISION

Our vision is to be welcoming, obliging and extremely well-informed in our areas of expertise. Our in-depth knowledge and experience enables us to examine and maintain our customer's expectation in the products we manufacture. Implementing the best means, our customers benefit by achieving their goals thus increasing their profitability. Our customers are kept at the Centre of all our business activities and over the years we have developed a reputation as a trust worthy and honest partner in their progress, providing high quality products with flawless service. We are known for our flexibility, responsiveness and creating unique solutions that our customer's applications demand. KEI is not only India's leading manufacturer of Copper & Copper Alloy Sheets, Strips & Foils but also paving its path towards international market.

OUR VALUES

KRISHNA ENGINEERING INDUSTRIES takes pride in being a values-driven company. The company is based on:

Commitment : KRISHNA ENGINEERING INDUSTRIES will constantly strive to fulfil its promises.

Integrity : KRISHNA ENGINEERING INDUSTRIES is sworn to conduct business fairly with honesty and transparency.

Passion and speed : KRISHNA ENGINEERING INDUSTRIES is committed to conducting its business with passion and respond to its customers need with speed and enthusiasm.

Determined : KRISHNA ENGINEERING INDUSTRIES is determined to be a premium metal manufacturer, global in size and reach & create value for customers.

Customer satisfaction : To ensure complete customer satisfaction through delivery of superior quality products while ensuring cost & time deadlines.





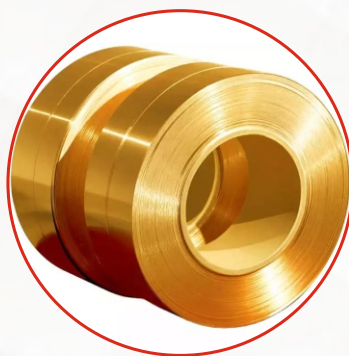
ABOUT THE PRODUCT & THEIR APPLICATIONS

BRASS

Brass is an alloy of copper and zinc, in proportions which can be varied to achieve varying mechanical and the electrical properties. It is a substitutional alloy: atoms of the two constituents may replace each other within same crystal structure.

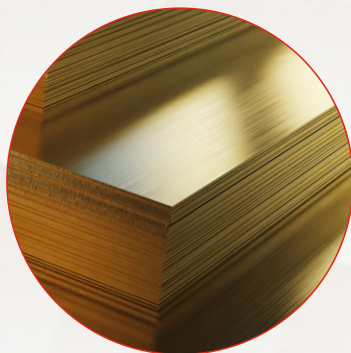
> BRASS COILS

Brass Coils or Strips in continuous lengths are used in industry where fast production is required. They are put on spools with continuous feeders in to the presses which have progressive dies to achieve high productivity with excellent accuracy. KEI is a leader in manufacturing high quality strips which are used directly without any problems in such automated presses & machineries.



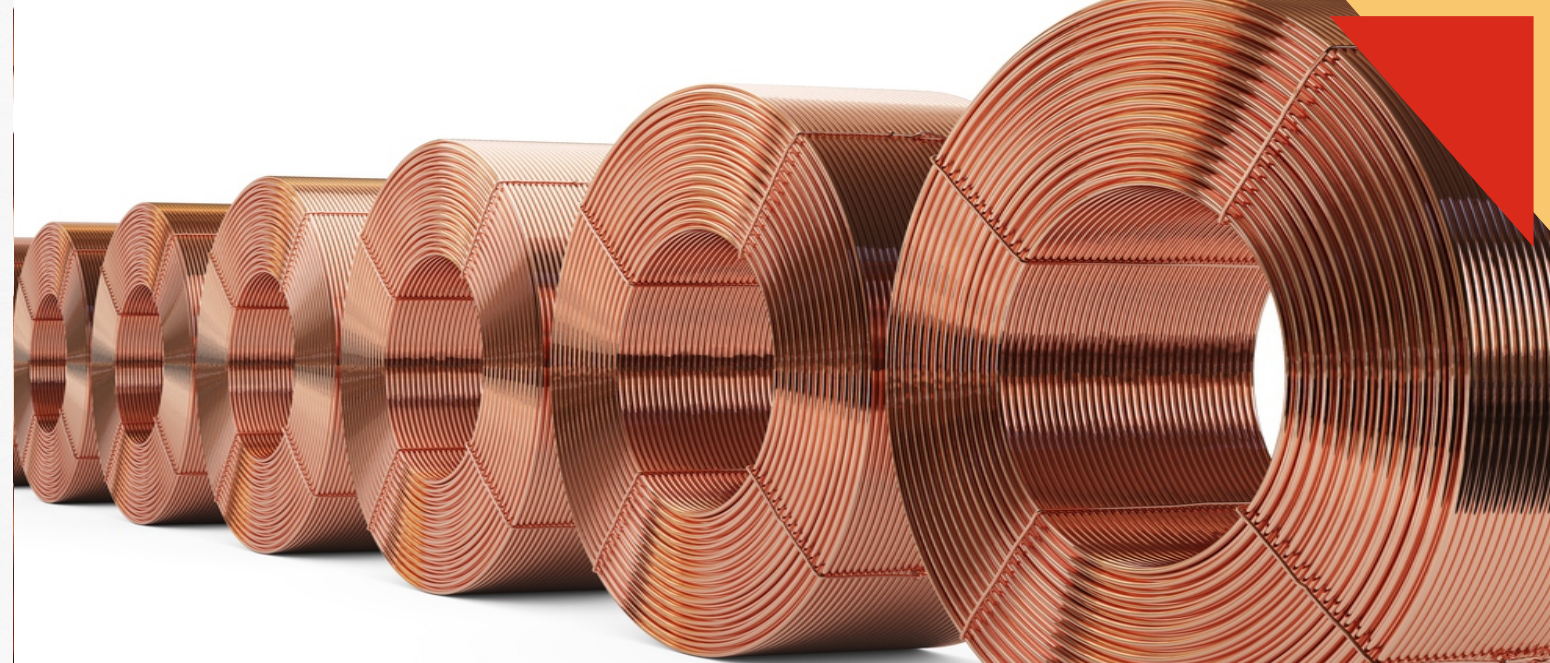
BRASS SHEETS <

KEI is a pioneer in sheet manufacturing. We are manufacturing various combinations of widths & lengths such as 14 x 48, 24 x 48, 48 x 48 & 48 x 96 to suit to the demands of the user industry. Sheets are usually useful in industries for keeping stocks to meet any urgent requirements. The bigger sizes are mainly used in the perforation industry for manufacturing filters & meshes.



> BRASS CIRCLES

Brass Circles mainly find use in the handicraft industry, hot water geysers and utensil manufacturing. KEI has been catering to such users dependably since its inception.



COPPER

Copper is a chemical element with the symbol Cu (from Latin: cuprum) and atomic number 29. It is a soft, malleable, and ductile metal with very high thermal and electrical conductivity. A freshly exposed surface of pure copper has a pinkish-orange colour. Copper is used as a conductor of heat and electricity, as a building material, and as a constituent of various metal alloys, such as sterling silver used in jewellery, cupronickel used to make marine hardware and coins, and constantan used in strain gauges and thermocouples for temperature measurement.

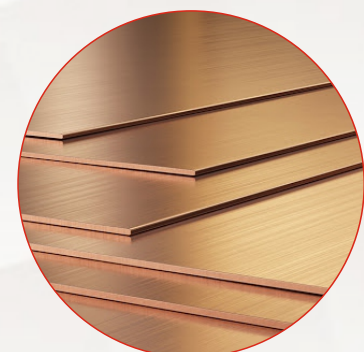


COPPER COIL <

Copper Coils or Strips in continuous lengths are used in industry where fast production is required. They are put on spools with continuous feeders in to the presses which have progressive dies to achieve high productivity with excellent accuracy. KEI is a leader in manufacturing high quality strips which are used directly without any problems in such automated presses & machineries.

> COPPER SHEETS

KEI is a pioneer in sheet manufacturing. We are manufacturing various combinations of widths & lengths such as 14 x 48, 24 x 48, 48 x 48 & 48 x 96 to suit to the demands of the user industry. Sheets are usually useful in industries for keeping stocks to meet any urgent requirements. The bigger sizes are mainly used in the lamination stamping industry for manufacturing of Alternators and other ancillary equipments.



COPPER CIRCLES <

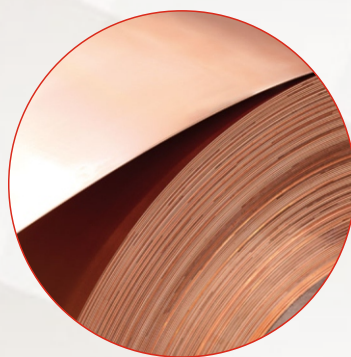
Copper Circles mainly find use in the handicraft industry, hot water geysers and utensil manufacturing. KEI has been catering to such users dependably since its inception.



PHOSPHOR BRONZE

Phosphor bronze is a member of the family of copper alloys. It is composed of copper that is alloyed with 0.5–11% of tin and 0.01–0.35% phosphorus, and may contain other elements to confer specific properties (e.g. lead at 0.5–3.0% to form free-machining phosphor bronze). Alloyed tin increases the corrosion resistance and strength of copper, while phosphorus increases its wear resistance and stiffness.

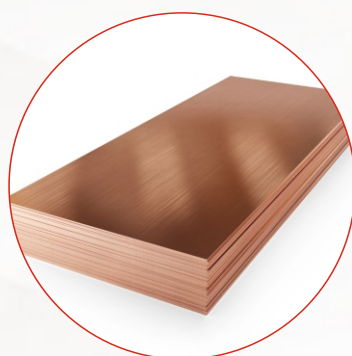
PHOSPHOR BRONZE COIL <



Phosphor Bronze Coils or Strips in continuous lengths are used in industry where fast production is required. They are put on spools with continuous feeders in to the presses which have progressive dies to achieve high productivity with excellent accuracy. KEI is a leader in manufacturing high quality strips which are used directly without any problems in such automated presses & machineries.

> PHOSPHOR BRONZE SHEETS

KEI is a pioneer in sheet manufacturing. We are manufacturing various combinations of widths & lengths such as 14 x 48, 24 x 48, 48 x 48 & 48 x 96 to suit to the demands of the user industry. Sheets are usually useful in industries for keeping stocks to meet any urgent requirements. The bigger sizes are mainly used for aesthetic purposes in Temples.



PHOSPHOR BRONZE CIRCLES <

Phosphor Bronze Circles mainly find use in the handicraft industry and utensil manufacturing. KEI has been catering to such users dependably since its inception.



PRODUCTS RANGE

BRASS SHEETS, COILS & CIRCLES

Composition (Cu/Zn%)	60/40, 63/37, 65/35, 67/33, 70/30, 80/20, 85/15, 90/10, 95/05					
Temper	Annealed (Soft), Quarter Hard (HA), Half Hard (HB), Hard (HD), Extra Hard (HE), Spring Hard (HS)					
Hardness Range	60 VPN - 220 VPN					

Dimensions*	Thickness		Width / Diameter		Length	
Products	Min.	Max.	Min.	Min.	Min.	Max.
Sheets	0.10	16.0	15.0	1350.0	50.00	3000.0
Coils	0.05	3.50	6.00	406.00	-	-
Circles	0.20	6.00	40.0	1250.0	-	-

COPPER SHEETS, COILS & CIRCLES

Composition (Cu%)	EC / ETP (99.90% Min), DHP (99.80% Min), TBC (99.60% Min), INDUSTRIAL (98.00%Min)					
Temper	Annealed (Soft), Half Hard (HB), Full Hard (HD)					
Hardness Range	45 - 130 VPN					

Dimensions*	Thickness		Width / Diameter		Length	
Products	Min.	Max.	Min.	Min.	Min.	Max.
Sheets	0.10	16.0	15.0	1350.0	50.00	3000.0
Coils	0.05	3.50	6.00	406.00	-	-
Circles	0.20	6.00	40.0	1250.0	-	-

PHOSPHOR BRONZE SHEETS, COILS & CIRCLES

Composition (Cu%)	PB - I (96 / 04) , PB - II (95 / 05), PB - III (94/06)					
Temper	Annealed (Soft), Quarter Hard (HA), Half Hard (HB), Extra Hard (HE), Spring Hard (HS), Extra Spring Hard (HES)					
Hardness Range	70 - 250 VPN					

Dimensions*	Thickness		Width / Diameter		Length	
Products	Min.	Max.	Min.	Min.	Min.	Max.
Sheets	0.10	16.0	15.0	1350.0	50.00	3000.0
Coils	0.05	3.50	6.00	406.00	-	-
Circles	0.20	6.00	40.0	1250.0	-	-

ABOUT THE PRODUCT & THEIR APPLICATIONS

Krishna Engineering Industries is holding a reputed position amongst the leading manufacturer of Copper & Copper Alloys for over 60 years. We provide a comprehensive range of Copper, Brass & Phosphor Bronze Sheets, Strips, Foils & Circles in all sizes which are widely accepted by our users from all over the country. Our vast and exclusive product range find application in the following industry circles:

- | | |
|-----------------------|--|
| Automotive Industries | - Radiators, Wiring Harnesses |
| Computers | - Connectors, Contacts, Lead Frames |
| Defence | - Cartridge Casings, Contacts, Detonators |
| Domestic | - Decorative articles, Utensils |
| Engineering | - Heat exchangers, Gaskets, Springs, Boiler Tubing, Pressure Vessels, Condensers, Distilleries equipments. |
| Electrical | - Contacts, Cable Tape, Switchgears, Control Panels, Connectors, Transformers, Battery Caps, Lamp Caps, Solar Panels |
| Garments | - Zippers, Buttons |
| General | - Flashlights, Watch dials, Coins |



PLANT AND MACHINERY

Krishna engineering industries is fully equipped for the manufacture of Copper & Copper Alloy Sheets, Strips, Foils & Circles with latest machinery such as:

- Continuous Strip Casting Plants
- Hot Rolling Mill for Sheets and Strips
- 4 HI and 20 HI Cold Rolling Mills for sheets, strips and foils
- Strip Milling Lines
- Pickling Lines
- Slitting Lines
- Cut to length equipment
- Electrically operated bright annealing furnace
- Complete in-house testing facility for physical and chemical properties of metal
- Optical Emission Spectrometer
- Automatic Packing Machines



QUALITY STATEMENT

The products are produced at KEI's own state-of-the-art manufacturing unit, which has enabled the company to ensure strict quality control measures and superior outcomes. Spread across vast area, the ISO 9001:2015 certified manufacturing facility is equipped to produce 500 Metric Tons of COPPER, BRASS & Phosphor Bronze per month.

Since its inception in 1961, the company has become a byword for international quality products. Through continuous research and development at its technically advanced facilities and backed by premium vendors, KRISHNA ENGINEERING INDUSTRIES has ensured a long list of satisfied customers.



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