



SHERA®



WORLD-CLASS PRODUCTS
UNRIVALED TECHNOLOGY



Company's OVERVIEW

Shera is a recognized Indian brand in the market of non-ferrous metals and its alloy products. Established in 2003, the group is today spread over an area of 75000 square meters headquartered in Jaipur, Rajasthan.

The parent company, Shera Energy has been recently awarded with "Export Excellence Award 2018-19". Company's Managing Director Shri Sheikh Naseem has also been felicitated by National Chamber of Commerce and Industry of India, Mumbai for National Industrial Excellence Award for his outstanding contribution to the industry.

With a promising quality production, Shera group also does its best to ensure the health of the planet. The promoter being a technocrat strongly believes that energy saved is energy produced. The architectural designs of the factory shades have been done brilliantly to make optimum use of the solar energy, which comes as a boon to the state of Rajasthan.

Products

COPPER

(ETP, DHP, DLP, OFC, Cu & Mg)

- Bus Bars & Tin Coated Bus Bars
- Rods & Wires
- Tubes (C110, C122)
- Sections & Profiles
- Paper Covered Rectangular & Round Wires
- Enamel/ Magnet Round & Rectangular Wires
- Fiber Glass Covered Rectangular & Round Wires
- Bunched Wires

ALUMINIUM

(EC Grade Aluminium Alloy with Si, Mg & Fe)

- Bus Bars
- Rods & Wires
- Tubes
- Sections & Profiles
- Paper Covered Rectangular & Round Wires
- Enamel Covered Rectangular & Round Wires
- Fiber Glass Covered Rectangular & Round Wires

BRASSES

(Tubes & Sections of various alloys as under)

- Free Cutting Brass (C360, C385)
- Forging Brass (C377)
- High Tensile Brass (C675)
- Naval Brass (C464)
- Managanese Bronze (C675)
- Cartige Brass (C260)
- Yellow Brass (C274)
- Admiralty Brass (C443)
- Aluminium Brass (C687)
- Arsenical Brass (C260)
- 63/37 Brass (C274)

LEAD FREE BRASS

- Wires & Rods

CUPRONICKEL

- 90/10 Copper Nickel (C706)
- 70/30 Copper Nickel (C715)

ENAMEL / MAGNET ROUND AND RECTANGULAR COPPER & ALUMINUM WIRE

Magnet wire is used to convert energy. It is wound in the form of coil around the core present in electric-electronic appliances such as heavy electric, automobiles and home appliance industry etc.

Range

Round wire: 0.15mm-4.50mm

Rectangular: Strip: Width: 3.00mm to 25.00mm & Thickness: 0.50mm to 4.00mm

Type of Enamel Class: 105°C - A Class, 130°C - B Class, 155°C - F Class, 180°C - H Class, 200°C - Dual Coat.



APPLICATIONS - Motor Industries, Automobile, Transformer Industry, etc.

PAPER COVERED ROUND AND RECTANGULAR COPPER & ALUMINUM WIRE

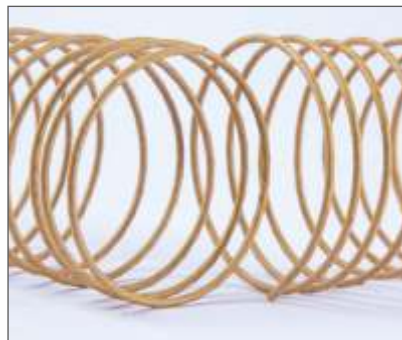
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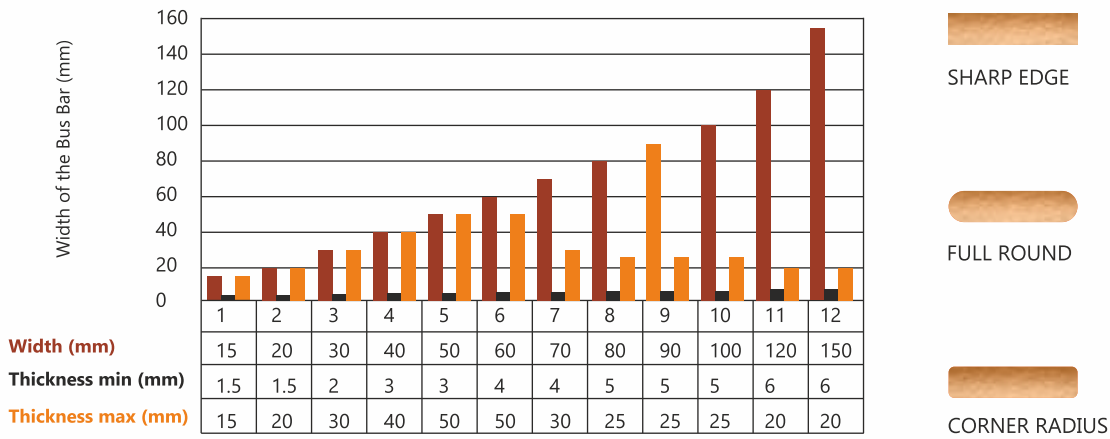
Rectangular: Strip: Width: 3.00mm to 25.00mm & Thickness: 0.50mm to 4.00mm

Type of Insulation Papers: Kraft Paper, Aramide paper (Nomex), Crepe Paper



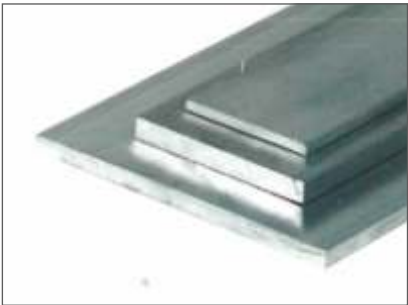
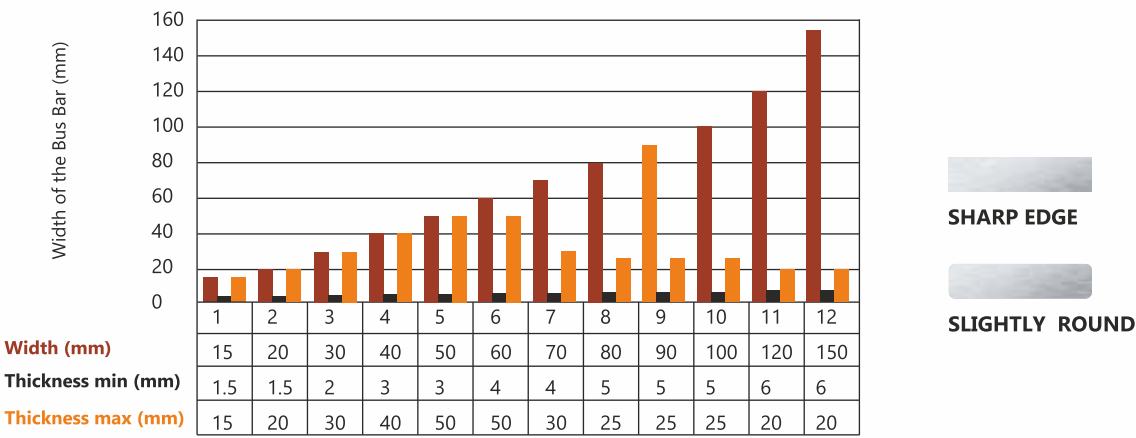
APPLICATIONS - Motor Industries, Automobile, Transformer Industry, etc.

BARE COPPER BUS BAR & TIN COATED COPPER BUS BAR



APPLICATIONS - Switchgear, Transformers, Electrical Industry, Power Generation, Panel Industry etc.

ALIMINIUM BUS BARS



APPLICATIONS - Switchgear, Transformers, Electrical Industry, Power Generation, Panel Industry etc.

BRASSES

This alloy is essentially a combination of Copper and Zine which has a wide range of application. This wide ranged product is personalized to meet the specification of our customers.

Alloys	Standard	Size mm (Min.)	Size mm (Max.)	Temper
Brass Rod	IS/ASTM	8mm	200mm	Annealed Half Hard Full Hard
Phosphorus Bronze Rod	IS/ASTM	8mm	200mm	

APPLICATIONS - Gas Valve, Industrial Valve, Defense Applications, etc.

Alloys	Standard	Composition	Size mm (Min.)	Size mm (Max.)
EDM Brass Wire	IS/ASTM	60/40	1.2mm	7mm
Zari Wire	IS/ASTM	80/20	1.2mm	7mm
Other Brass Products	IS/ASTM	60/40; 63/37; 70/30; 80/20	1.2mm	7mm

APPLICATIONS - EDM Machine, Jewelry, Ball Point Pen, Rivet, etc.



COPPER & CUPRO NICKEL TUBES

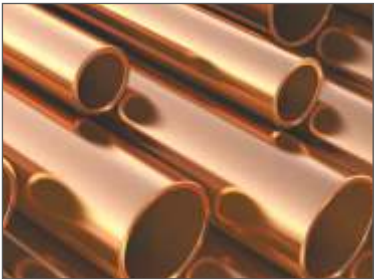
Our ETP copper, Electrolytic Tough Pitch on ETP copper tubes are noted for high electrical & thermal conductivity, good corrosion resistance & solderability. Also we offer Deoxidized High residual Phosphorous or DHP copper tubes, which are deoxidized with phosphorous. DHP copper tubes has high stress strength, tensile strength, fatigue strength & thermal conductivity.

Alloys	Standard	Outer Diameter	Wall Thickness	Length	Temper
ETP Cu	IS/ASTM	10mm to 120mm	1mm (Min.)	10 Mtr. (Max)	Half Hard
DHP Cu	IS/ASTM	10mm to 120mm	1mm (Min.)	10 Mtr. (Max)	Full Hard

APPLICATIONS - Isolators, Heat Exchanger, Marines, Electrical Industry, etc.

Alloys	Standard	Outer Diameter	Wall Thickness	Length	Temper
90/10 Copper Nickel	IS/ASTM	10mm to 108mm	1mm (Min.)	10 Mtr. (Max)	Half Hard
70/30 Copper Nickel	IS/ASTM	10mm to 108mm	1mm (Min.)	10 Mtr. (Max)	Full Hard

APPLICATIONS - Heat Exchanger, marines, etc.





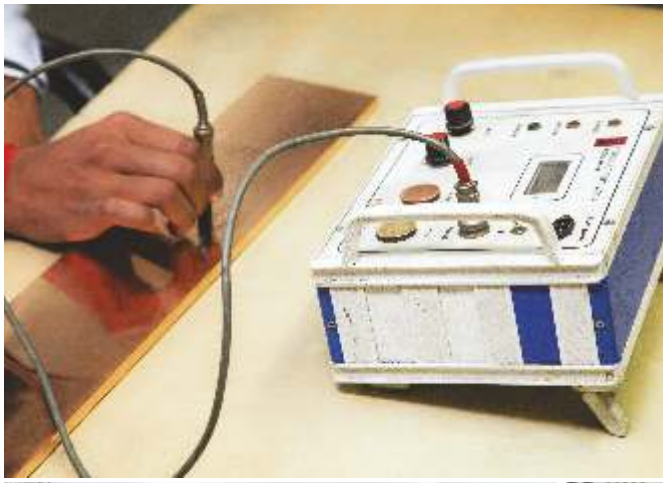
Machinery Equipments

FOR WINDING WIRES

- BULL BLOCK MACHINE
- RBD MACHINE
- FLATTENING MILL
- FINE WIRE ENAMELING M/C.....80 LINES (9 PASSES)
- MEDIUM WIRE DRAWING MACHINE
- SUPERFINE WIRE DRAWING MACHINE
- PIT TYPE ANNEALING FURNACE
- VERTICAL PAPER COVERING 280 HEADS
- HORIZONTAL PAPER COVERING MACHINE
- FIBER GLASS TAPING MACHINE
- STRIP ENAMELING MACHINE.....03 LINES(14 PASSES)
- WIRE CUT & ELECTRICAL DISCHARGE MACHINE\
- TOOL ROOM INCLUDING LATHE, SHARPER, DRILLING, MILLING GRINDING, WELDING WITH OTHER GADGETS REQUIRED FOR EFFICIENT TOOLING & MAINTENANCE

FOR ALLOYED PRODUCTS

- Vertical Semi Continuous Melting & Casting Line
- Horizontal Continuous Casting Machine
- Upward Continuous Cast Line for Copper, Brass & Aluminium
- Coreless Melting Furnace (Capacity 2000kgs, 750kw)
- Coreless Melting Furnace (Capacity 750kgs, 250kw)
- Billet Cutter
- Inuuction Billet Pre-heater
- Hot Extrusion Press (2000 Mn With Piercer
- Pilger Mill (45 & 120 Vmr)
- Pointing & Swage Machine
- Intermediate Annealing Furnace
- Continuous Cold Extrusion Machinery (250 Mm, 300 Mm, 350 Mm & 400 Mm Wheel)
- Tube & Rod Draw Machine (15, 25, & So Mt)
- Straightening Machine for Rods & Prof Les (10-160 Mm)
- Champaring , Polishing and Packing
- Material Handling Equipments : Fork Lifts & Cranes



For Quality Inspection

CHEMICAL TESTING

- Emission Type Spectrometer
- LECO make Oxygen Analyser
- Volumetric Chemical Analysis

MECHANICAL TESTING

- Digital Universal Testing Machine (40tons)
- Impact Strength Testing Machine
- Bend Testing Machine
- Hardness Tester (Vickers & Brinells Scale)
- Tensile Testing Machine (2.5 to 25 tons)

METALLURGICAL TESTING

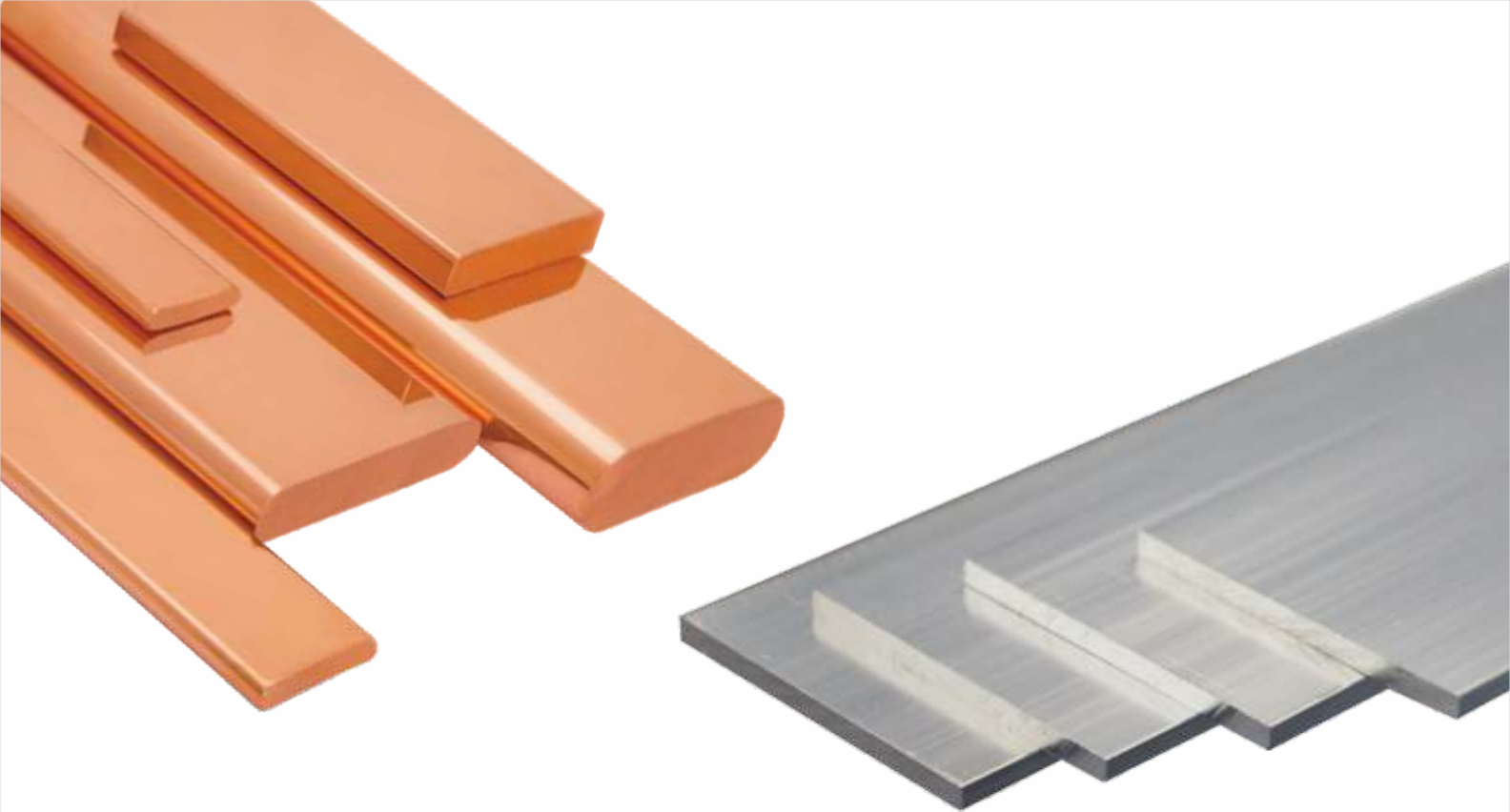
- Macro Etching Testing
- Metallurgical Microscope with Photography Arrangements

ELECTRICAL & PHYSICAL TESTING

- Resistance Micro-Ohm Meter
- Springiness Testing Machine
- Mandrel Winding Test Machine
- Jerk Test Machine
- Pin Hole Counting Machine
- Cut Through Testing Machine
- Dimensional Checking Equipment's like Verniers & Micrometres
- Conductivity Meter as per IACS
- Flexibility and Adherence Test Machine
- Peel Test Machine
- Di-Electric Strength Test Set (0-10 KV)
- Thermal Index Test Device
- Abrasion Test Machine

IN-LINE NON DESTRUCTIVE TESTING (NDT)

- Eddy Current Testing Machine (From 6mm to 160mm)
- Hydro Testing Machine
- Fracture Testing Machine
- Pneumatic Testing Machine
- Magnetic Permeability Testing



SHERA

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