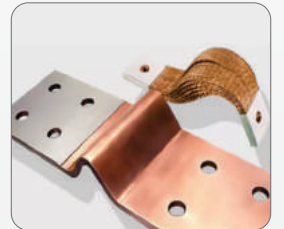




DB

ENGINEERING



Manufacturer of

Copper Flexibles, Transformer Accessories,

Switchgear Components &

Precision Turned Components

Tel : +91-22-28820397 / +91 9892174939

Website : www.dbengineering.in | E-mail: info@dbengineering.in

COMPANY PROFILE

D B Engineering is an ISO 9001:2008 certified company, established in 1955 & today its one of leading manufacturer catering to the Electrical and various other industry. We specialize in manufacturing various types of Copper Flexibles, Braided Flexibles, Copper Contacts, Switchgear Components, Machined and Forged Components, Transformer Bushing Metal Parts, Sheet Metal Components and Precision Turned Components.

INFRASTRUCTURE

We have a complete in house facility for manufacturing the various products. Our facility includes CNC Turning Centers, Press Welding (Solidification) Machine, Conventional Machining Shop, Milling Machine and Press Shop. Our strength lies in developing custom made products.

SOLIDIFICATION



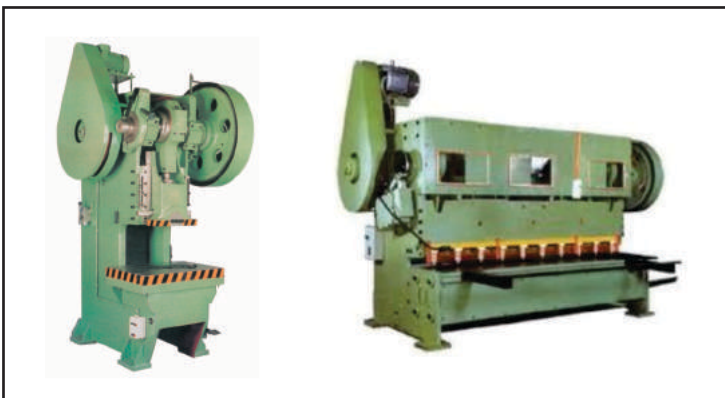
We possess expertise in manufacturing Copper Flexibles & Shunts of a wide range. We have Press-Weld Solidification Machine up to 250 KVA to produce a versatile range of Copper Flexibles, Shunts & Jumpers.

CNC TURNING AND MACHINING



We have been using latest machines and technology to undertake all your CNC Machining job works. We have CNC Turning & Machining Centers of different ratings to cater to a wide variety of machined parts as per customer specifications.

PRESS SHOP



We have Power Presses ranging from 2 Ton to 50 Ton capacity to meet your diverse requirements in terms of dimensional accuracy, precision, output etc. We also have a Power Shearing machine which adds to our production capabilities.

CONVENTIONAL MACHINING



Our Conventional Machining setup includes AutoTraub, Capston, Lathe Machine, Milling, Slotting, Grinding and other special purpose machines.

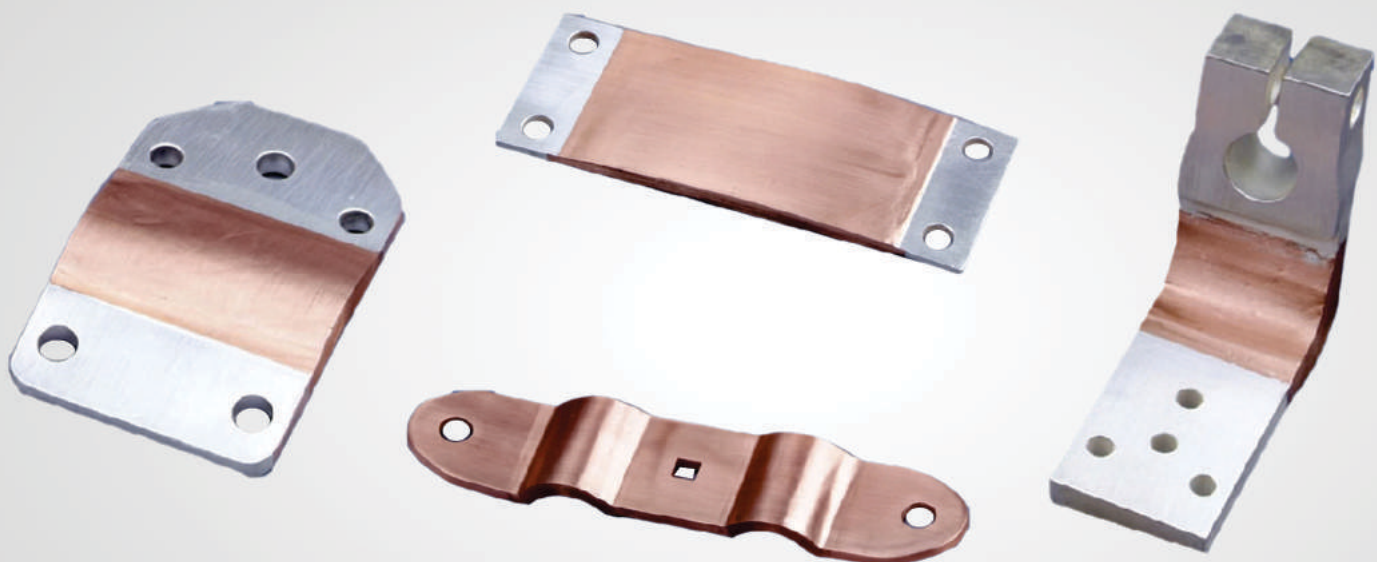
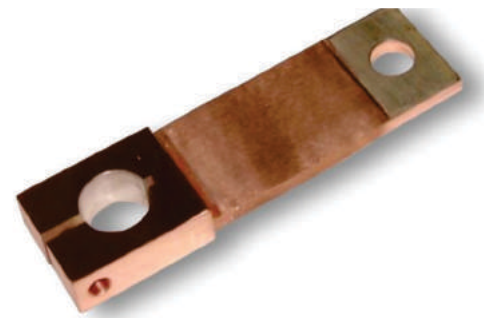
COPPER LAMINATED FLEXIBLES

Copper laminated flexible jumpers are manufactured by stacking high conductivity, electrolytic grade copper foils and then pressure welded. The process is designed in such a way that it enhances the current carrying capacity with almost nil, millivolt drop across the connector. Copper jumpers carry the same current as that of Busbars as they have a constant cross section over the whole length giving a nil millivolt drop.

It is also possible to drill, saw, braze, mill & weld the contact areas without any problem. These types of flexible connectors are used as flexible expansion joints in order to connect bus bars in various industries.

Flexible Copper Laminate jumper is individually designed and manufactured keeping in view the user's requirement and application. We also offer jumpers with contact area electro tinned or silver plated to give perfect contact.

Application / Industries : Transformers, Switchgears, Power Plants, Electric Locomotives, Furnaces, Chemical Plants, Electricity Boards & all current carrying equipment manufacturing Industries.



COPPER BRAIDED FLEXIBLES

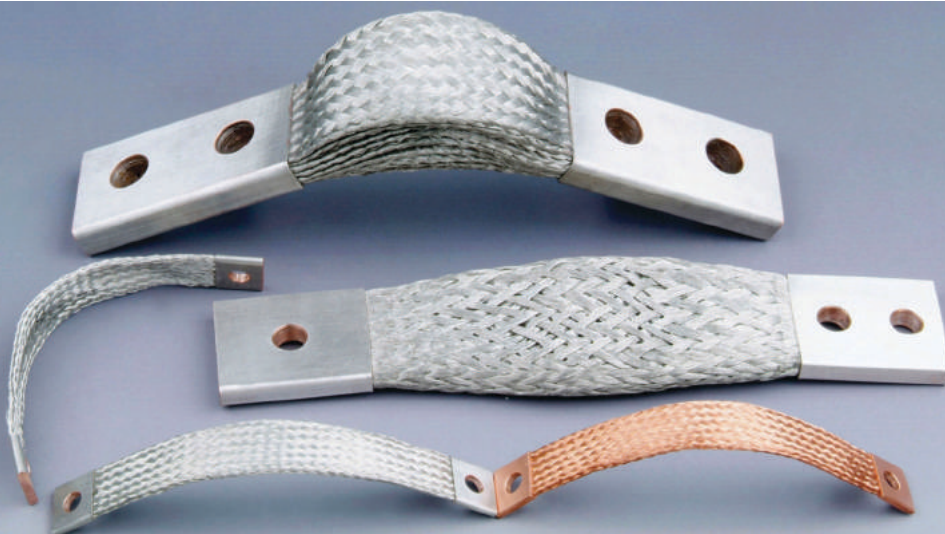
Braided copper flexible is manufactured from high conductivity ETP grade Copper wire in different diameters. Braided Cables deliver the maximum amount of electrical power at peak efficiency. Our braided flexible connectors can be made to exact specifications. These flexible connectors are also manufactured to compensate for vibration, expansion/contraction of bus bars and to deliver minimum resistance values.

These can be offered with contact areas comprising cold formed finish in solder less seamless tubular lugs that are put around braided strips. Further, these meet defined production demands and can be made available in variety of designs including in customized options for meeting job – specific applications.

Braided Flexibles Options

- Finish : Bare, Tin, Silver or Nickel Plated
- Wire Diameter : 0.07mm to 0.4mm
- Process : Compression or Press Welded Terminals
- Insulation Covers : Rubber, Heat Shrink, Coated Fiberglass

Application / Industries : Transformer and Rectifiers, Switchgears, Power Generation and Transmission, Electrolytic Processes, Telecommunication, Computer and Communication.



BUSHING METAL PARTS

We are a leading manufacturer of Bushing Metal Parts for Power, Distribution CT & PT, Dry Type, Cast Resin transformers. We manufacture metal parts as per IS 3347, DIN 42530-42531-42532, BS 2562. Besides the standard metal parts we can also manufacture products as per customers design. All the metal parts are supplied with the complete set of accessories as per the Standards.

Rating

Class : 1 kV, 3 kV, 12 kV, 24kV, 36 kV

Rated Current : 250 A, 630 A, 1000 A, 2000 A, 3150 A

Plating : Tin, Nickel, Silver

Material Specifications Of LV/HV Bushings

Porcelain Parts	Ceramic KER 110.1 TO DIN 40685 Brown Colour To RAL 8016
Brass Parts	CuZn40Pb2 Ms 60F34 DIN 17673 or GD-MS 60 or GK-MS 60 DIN 1709
Copper Parts	E-Cu F25 DIN 40500
Steel Parts	CrNi or St 37 DIN 17100 or DIN 125
N.B.R. Parts	Asbestos Free Nitrile Rubber Hardness Shore 65-70 DIN 53505

LV Bushings



HV Bushings

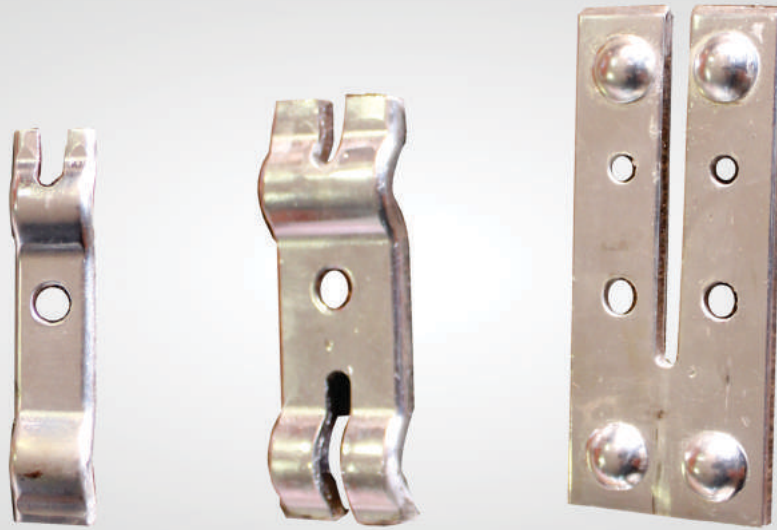


SWITCH GEAR CONTACTS

Finger Contact

Electric copper contacts are mainly used for moveable contact of circuit breaker to switchgear panel. Generally there are two types: round contact type and flat contact type.

We are specialized in manufacturing flat finger contacts with various production technologies: punching, pressing, deep-drawing, extrusion, forging, machining etc.



Contact Block

Copper terminals and clamps are used in electrical equipment for electric connections.

We are specialized in manufacturing all kinds of copper terminals and clamps with various production technologies: punching, pressing, deep-drawing, extrusion, forging, casting and machining etc.

The parts are made with high quality Electrolytic Copper and the surface could be silver coated or tinned, according to customers' requirements.



PRECISION TURNED COMPONENTS

We are involved in the manufacturing of Precision CNC Turned Components, which are customised as per the requirements and specifications of customers. These highly Precise Components are used in Electrical Industries, Switchgear's, Valves, Railways, Printing Industry, Energy Sector, etc. Various metals that we use to process these products are Copper, Brass, Steel and Carbon Steel in various grades, Stainless Steel and Aluminium. The process sequence and the process layouts are made after a lot of thought process thus helping to achieve various close requirements and giving dimensional and geometrical accuracies.



These components are manufactured on very high precise Lathe & CNC Machines and regular quality checks are carried out at proper intervals to keep the parts well within the tolerance bands. These Precision Components are inspected on sampling basis thus eliminating the element of any error.

FORGED COMPONENTS

We are also engaged in supplying of Forged components for various sectors viz. Transformers, Switchgear's, Valves, Fasteners, etc. Each product is designed keeping in mind the customer requirement and the product application. We have in house facility for machining the forged parts.

We have ability to supply complex forgings in various metals such as Copper, Brass, Stainless Steel and Various grades of Steel.



QUALITY AND TESTING

We are fully equipped to meet the most stringent quality requirements of every industry. We have adopted a wide range of modern testing and measuring instruments such as Hardness Tester, Electrical Conductivity Meter, Resistance Meter, Digital Micrometer, Vernier Caliper, Ring Gauge, Height Gauge, etc. Besides the standard equipments, we have special gauges and fixtures for different products.



REACH US

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