

- ◆ Bronze
- ◆ Copper
- ◆ Brass
- ◆ Aluminium



**CONEX**

- ◆ Casting
- ◆ Hot Stamping
- ◆ Pressing
- ◆ CNC Machining



**CONEX**

Proving Mettle With Metals

## GROUNDING RODS

### COPPER BONDED EARTH / GROUNDING RODS

The Earth Rods are made from high tensile low Carbon Steel complying with requirements of BS 4360 Grade 43 A. Each rod is molecularly bonded by 99.99% pure, high conductivity Copper. To prevent oxidation of Copper bonding, each rod is treated with Benzol-Triazole derivatives. Threads on rods are formed by roll threading process, giving threads extra strength, eliminating risk of chipping the threads while driving the rods in the ground.

### SOLID COPPER EARTH / GROUNDING RODS

The Solid Copper Earth Rods are made in two types viz. externally threaded and internally threaded. Solid Copper Earth Rods are used where the factor of corrosion is very high and exceptionally high-long life is required and hence these rods are manufactured from pure and high conductivity hard drawn Copper to BS 2874-C-101. These rods are also available with Tin plating in order to reduce the risk of oxidation and increasing shelf life.



**Note :** Solid Stainless Steel earth rods can also be offered.

**Packing :** Earth Rods are packed individually in Polythene bags and rods are fitted with PVC caps at both the ends, thus preventing threads from getting damaged while handling.

## GROUND ROD COUPLERS



They are used as a mechanical connection between sectional ground rods. The Grounding Rod Couplers can be fully threaded or threadless for compression as needed.

The inside of coupler is tapered so ground rod compresses during installation to form an irreversible conductive connection.

Manufactured from high strength Bronze grades such as C955 and C956. They are available for various sizes for ground rods such as 1/2", 5/8", 3/4" etc.

## GROUND ROD CLAMPS

Ground Rod Clamps are manufactured from high strength, highly conductive Copper alloys such as C955 and C956 that are suitable for direct burial in ground and concrete.

They are intended to be used to connect Copper wire to a Copper ground rod or a rebar and come assembled with a hex head bolt. The Hex head bolt can be Stainless Steel or Silicon Bronze as needed by the customer.

It is available for various sizes for ground rods such as 1/2", 3/4", 3/8" etc.



## EYEBOLT TERMINAL ASSEMBLIES

These assemblies are made from high strength Copper alloys. The Eye-bolts are made from various grades of Aluminum Bronze such as C955 and C956. The terminal receivers are made from Leaded Bronze grades.

The connectors are designed to secure the Copper cable to flat studs, transformer spades, or Copper bus bars as needed.

The connectors can be fitted with Silicon Bronze or Stainless Steel hardware to prevent any type of corrosion.

The biggest advantage of this type of connectors is single wrench installation.

These connectors are widely used with power transformers and can be Tin plated or be provided with natural finish.



## COPPER / ALUMINUM CABLE TERMINALS / LUGS



The Cable Lugs are provided with inspection window, thus ensuring full conductor insertion. Entrance is chamfered or bell mouthed for easy entry and high wall thickness.

**Material** : Our lugs are made from high conductivity seamless Copper tube to BS 2874 - C 101, ASTM B 152 - C 11000 / Aluminum tubes in alloy 6063.

**Sizes** : From wire size 1.5 mm<sup>2</sup> to 800 mm<sup>2</sup>, from 1 Ga to 8 Ga and 1/0 Ga to 4/0 Ga with different stud hole sizes as required.

**Finish** : Electro-Tin plating and Nickel plating

**4 Hole Transformer lugs also available from 300 mm<sup>2</sup> to 800 mm<sup>2</sup>.**

## COPPER INLINE CONNECTORS / SPLICES

Copper Crimping type Inline connectors / Splices / Links available with or without dimple, in short & long barrel types and Electro-Tinned finish.

**Material** : High conductivity  
Copper & Aluminium

**Sizes** : From 1.5 mm<sup>2</sup> to 1000 mm<sup>2</sup>



## HOTLINE CLAMPS



Hotline Clamps are used as a fixture between a Hotline and Transformer. It is an equipment made up of strong metal alloys such as Bronze. It is a utility product and used for the line tap distribution connections. Professionals use it as an attachment or a fixing tool.

The Hotline Clamp is used to make a tap connection between the Hotline and the Transformer by electricians.

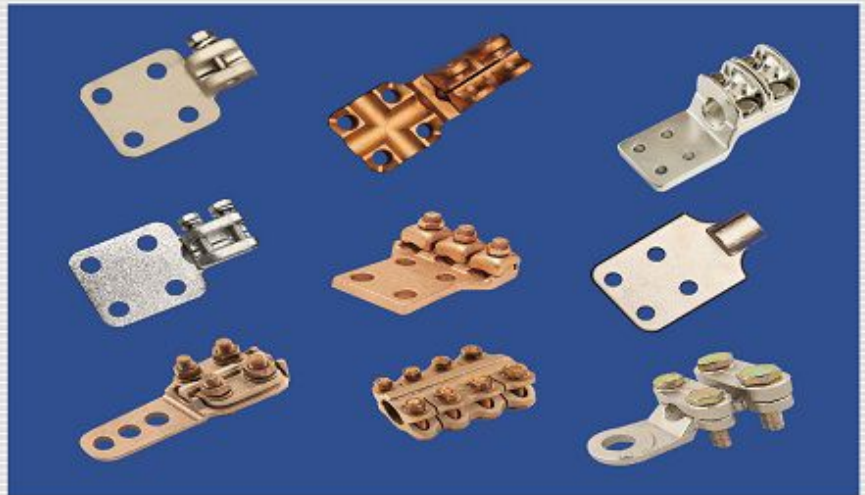
The Hotline clamp is generally made from high strength Aluminum Bronze grades such as C956 and the eyelet at the back is made from Stainless Steel. Rest of the hardware is also in Stainless Steel.

## TRANSFORMER AND POWER CONNECTORS

These are stud type connectors made from high grade Copper / Bronze alloys. They are used to connect Copper cable or Copper tube to an equipment stud. A wide range of cable and tubing may be accommodated to make a straight or a 90 degree connection.

They are generally bolted and the hardware can be made from Stainless Steel or Silicon Bronze. Clamping Bolts have hex stops for easy installation.

They find great application in Power Substations and can be Tin plated to prevent corrosion.



## BRONZE VISE CONNECTORS



The Vise Connectors can be installed on structures, cabinets and enclosures for grounding applications. They are used to provide permanent connection between two ground wires. They also help to connect various size grounding connectors, as well as pole line apparatus to grounding conductors.

They create more grip and create full compression with any conductor. Their interlocking components ensure a long term, vibration proof connection. The side open design eliminates loose parts, cross threading, and eases installation on run conductor.

They are made from high grade Bronze material such as C955 or C956.

## GROUNDING CLAMPS

### WATER PIPE GROUNDING CLAMPS

Bare Water Pipe Ground Clamps are used to connect bare Copper wire to rebar, ground rod, Steel water pipe and Copper water tubing for grounding. They are manufactured from highly conductive Copper alloy such as C956 or C836. The hardware can be from Stainless Steel, Bronze for direct burial. They are available in various sizes such as 1/2"-1", 1 1/4"- 2", 2 1/2-4", 4" - 6".



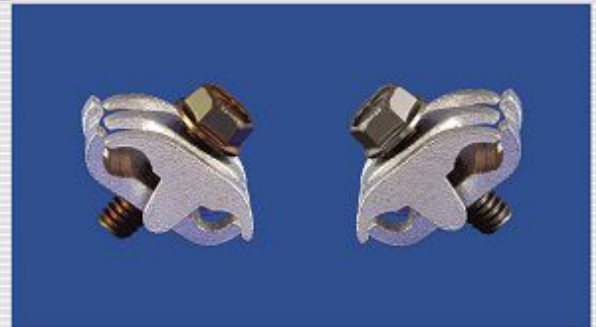
### U-BOLT CLAMPS

A U-bolt clamp is designed to provide a corrosion resistant, low resistance connection between a solid circular or stranded conductor and an earth rod or reinforcing bar. The U-bolt can be made from Stainless Steel or Silicon Bronze as needed by the customer. They are available in a range of sizes, helping to secure all variations of solid circular or stranded conductor and earth rod/rebar connections.



### KUL BONDING CLAMPS

They are used to bond #6 Copper wire to 1/4" or 5/16" strand wire and find great application in telecommunication industry. They are constructed of high strength Copper alloy such as C955 or C956. The bolt can be from Silicon Bronze or Stainless Steel. The biggest advantage is that the installation does not require removal of bolt and the clamp can be installed with use of a standard terminal wrench. The clamp is Tin plated when used with dissimilar metals.



### PARALLEL GROOVE CLAMPS

Adaptable to use as an oblique tap or parallel connector, the parallel groove clamp (PG Clamp) is designed to connect two conductors in parallel and especially used to hold transmission conductors in parallel in transmission lines. They can be made from high strength Bronze grades such as C955 and C956 or Aluminum alloys.



### TRAILER GROUND CLAMPS

They are used to bond and connect the ground wire to I-beams and other structural Steel parts. The cup points cut through paint or oxide to create a metal to metal bond. They are made from high strength Bronze such as C955 or C956 and the hardware is generally made from Steel.



### CONDUIT HUBS

Bronze conduit hubs are used with ground pipe clamps to connect rigid conduits to water pipes for grounding. They are made from various materials such as C836, C955 and C956. The screws can be made from Stainless Steel or Carbon Steel. They can be supplied along with the ground pipe clamps.



## ALUMINUM MECHANICAL CONNECTORS

Mechanical Aluminum connectors are designed for use with conductors. The connectors are electro-Tin plated to ensure reliable connection for either Copper or Aluminum conductors.

They are available in various designs and sizes as needed by the customer. They are made from highly conductive Aluminum alloy like 6061.

Wire ranges covered are from #14 AWG to 1000 MCM.



## LAY IN LUGS



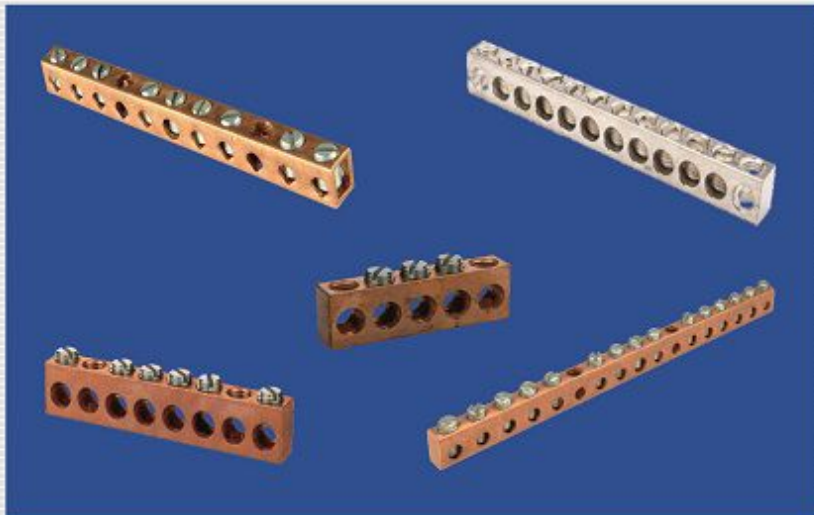
Lay-in Lugs and Lay-in Connectors are produced from high quality 061-T6 Aluminum alloy or pure Copper. They are electro-Tin plated and hence provide maximum conductivity and strength. There are heavy duty screws on each connector.

Side entrance design permits the quick installation of one continuous conductor as a jumper to multiple locations without a break in the conductor. Aluminum Lay-in lugs are used to bond wires and surfaces in grounding applications.

## ALUMINUM / COPPER TERMINAL BARS

Aluminum and Copper Neutral Bars are used for a variety of neutral and grounding applications. Copper Neutral Bars are manufactured from high strength Copper and are furnished with plated Steel screws. Copper Neutral Bars are listed for use with Copper conductors only.

Aluminum Neutral Bars are manufactured from high strength Aluminum alloy, are Tin plated, and fitted with plated Steel screws. Aluminum neutral bars are dual rated for use with Copper or Aluminum conductors.



## COPPER POST CONNECTORS



The re-usable Copper Post Connectors are manufactured from high conductivity Copper alloy for long lasting reliable contact for a mechanical connection.

They are made from pure Copper grade of C110. The process used is superior forging and then machining them. They can be made from high strength Copper alloys as well if needed.

The screws/hardware is from Stainless Steel.

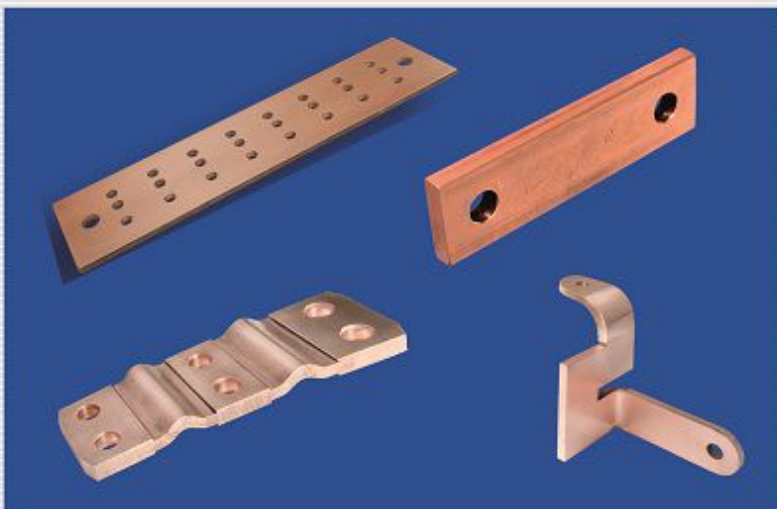
## BRASS / COPPER SPLIT BOLTS

They are made from high strength Copper/Brass alloy and are highly resistant to corrosion. They can be used with wide range of Copper solid, compact, compressed, concentric, Copper weld conductors, and rebar.

They are approved for various electrical power, grounding and bonding, and direct burial applications. The hex design allows easy installation with standard tooling. The design provides high contact pressure between conductors or conductor to rebar.



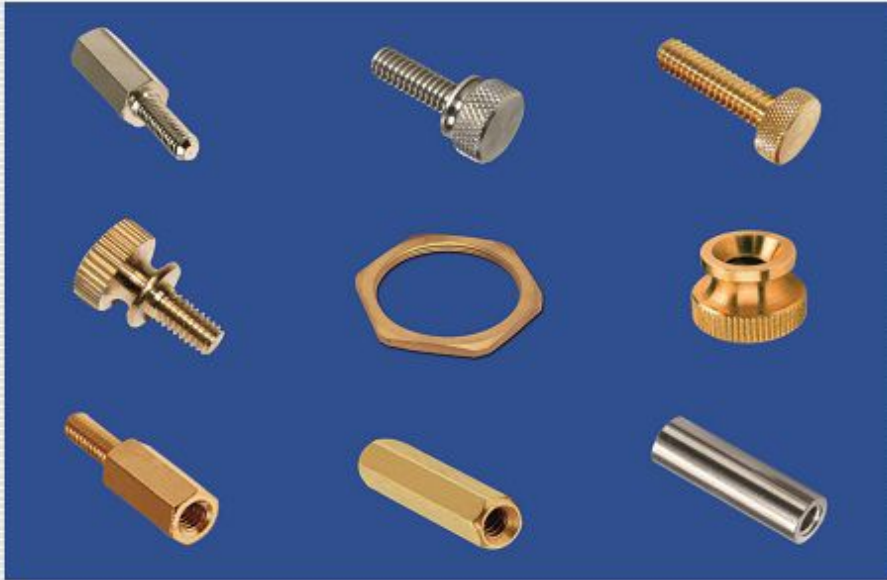
## COPPER BUSBARS



Copper Busbars manufactured by us are available in both high conductivity OFC (Oxygen Free Copper) and ETP (Electrolytic Tough Pitch) grade.

Electrical Installations use Copper Busbars for distributing power from a supply point to a number of output circuits, resulting in various applications including switchgears, transformers, circuit breakers, busbar trunking systems, terminals and connectors. We have the flexibility of offering different designs and sections of Copper Busbars as per user needs.

## ELECTRONIC HARDWARE



We produce a wide range of various Brass Electronic Hardware Components and Parts. Our range includes a wide variety of Spacers, Terminals, Bushings, Standoffs, Panel Nuts, Thumb Screws, Shoulder Screws, Captive Screws, Jack screws, Circuit Board Spacers etc. made from high quality Brass raw material. These are offered in UNC, UNS, UNEF, UNF, Metric threads.

## BRASS / COPPER BATTERY TERMINALS

### BRASS BATTERY TERMINALS

Available in various cable sizes in forged & machined varieties. (Angle type, Lucas type, Cut type, Wing Nut type and Ford type).

**Finish :** Nickel, Electro-Tin & Natural

### COPPER BATTERY TERMINALS

Heavy duty high conductivity Copper terminals are for Automotive, Trucking and Marine Industries. Available in Straight, Right Angle and Elbow Types.

**Finish :** Nickel, Electro-Tin & Natural



## LAMP HOLDERS / LIGHTING PARTS AND ACCESSORIES



CONEX offers Brass and Porcelain Lamp Holders along with various accessories for lighting and lamp use to BSEN 61184.

**Accessories :** Nuts, Nipples, Couplers, Finials, Caps, Studs, Covers, Rosettes and Allthreads.

**Finish :** Natural Brass, Nickel, Chrome and Gold



## COPPER MECHANICAL CONNECTORS



These are mechanical terminal lugs made from pure Copper and have an offset tongue and a hole for joining a wide range of cable to equipment pads or bar. They are easy to install with screwdriver or wrench. The connector is re-usable.

The finish is always plain Copper. There is no special tool required which prevents over-torquing and any damage to the conductor.

## BI-METALLIC COPPER - ALUMINUM LUGS

We have a full range of Bi-Metal Lugs for most applications. They are friction welded from the high quality Aluminum (99.6%) and Copper (99.9%). The Aluminum barrels are chemically treated to reduce contact resistance and corrosion. The barrels are filled with joining compound and capped. They should be crimped using standard Aluminum dies. The range includes standard stud holes, or user specified holes can be punched in blank palms. Bi-Metal links and connectors are also provided on request.

**Sizes :** 25 mm<sup>2</sup> to 800 mm<sup>2</sup>



## BOLTED LUGS



Bolted Copper alloy Lugs are a quick and easy way of making a connection on a normal or flexible conductor. Palms are machined top and bottom for bolting on either surface. They can be reused multiple times. Barrels have internal corrugations in the clamp to assist with current transfer.

**Sizes :** 10 mm<sup>2</sup> to 500 mm<sup>2</sup>

**Material :** High Conductivity Copper Alloy / Bronze

## BRASS CAST / STAMPED LUGS



Brass Cast and Stamped Lugs for various electro-mechanical applications. They are mostly made to user specifications and used for battery cable harnesses. They are to be soldered or crimped with the battery cable.

**Finish :** Natural Brass and Chrome

# GROUNDING AND LIGHTNING PROTECTION ACCESSORIES



## OBLONG TEST CLAMPS

This clamp is designed to join range of tape sizes.



## COPPER TAPER AIR RODS

To be installed with or without multiple points on Air Terminal base.



## SQUARE TAPE CLAMPS

For forming straight through, cross or 'T' joints in tape and bar.



## AIR TERMINAL BASES

Used for supporting Rod to conductor with four fixing holes provided on it.



## ROD TO LUG CLAMPS

Clamps for Copper bonded rods are tapped to fit on threaded portion of rod. They connect rod with cable lug.



## TAPE CLIPS

These are used with bare Copper tape.



## LIGHTNING PROTECTION BEAM CLAMPS

Cast Bronze Clamps cover a larger bonding area and are made from Bronze.



## DC TAPE CLIPS

These are used with bare Copper tape.



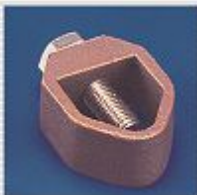
## RAIN WATER PIPE (RWP) BONDS

Suitable for bonding tape to pipes, handrails etc.



## TEST BONDS

These are used for 4 - way Copper tape connection.



## ROD TO TAPE 'A' CLAMPS

Suitable for connecting combination of Copper tapes to earth rods.



## BARE COPPER TAPE

They carry earthing charge to earth plates or earth rods and also available with PVC coating.



## FLEXIBLE BRAID BONDS AND CONNECTORS

These are used for bonding gates, doors, fences etc.

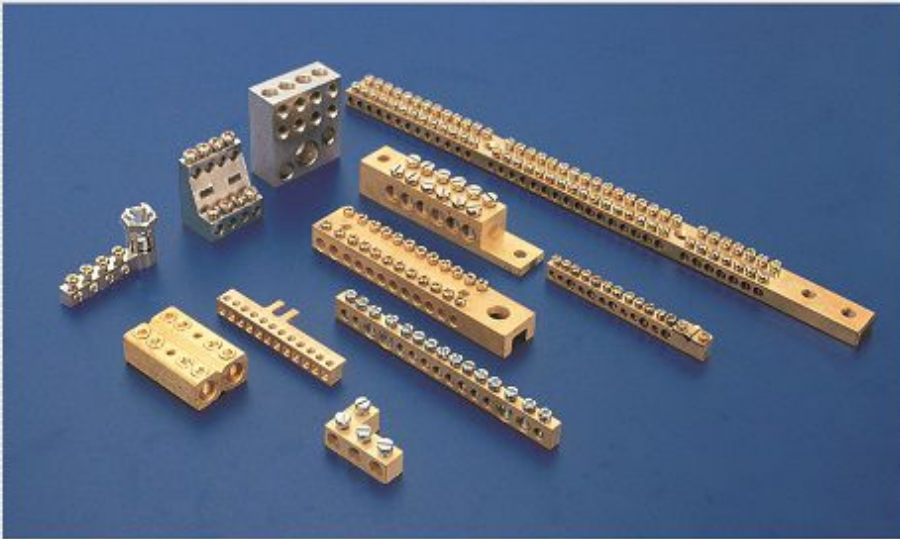


## EARTH ROD SPIKES

They help to drive flat earth rods into the ground.

# PANEL BOARD FITTINGS

## BRASS NEUTRAL LINKS / EARTH BARS

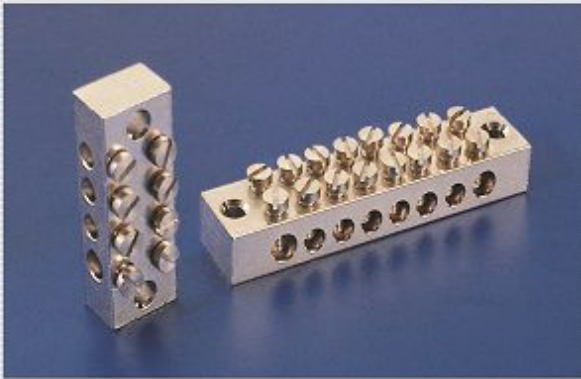


CONEX manufactures a wide range of Neutral Links / Earth Bars to be used with switchboards, panel boards, electrical enclosures, housing and distribution boards. They are available in different cross sections and up to 1 meter in length. Different screw & hole combinations can be offered as per customer's needs. Plastic / Bakelite support base will be provided with Neutral Links, if needed.

**Finish** : Electro-Tin, Nickel and Natural

**Note** : Tailor made Neutral Links in Aluminium can be offered.

## BRASS EARTH / TERMINAL BLOCKS

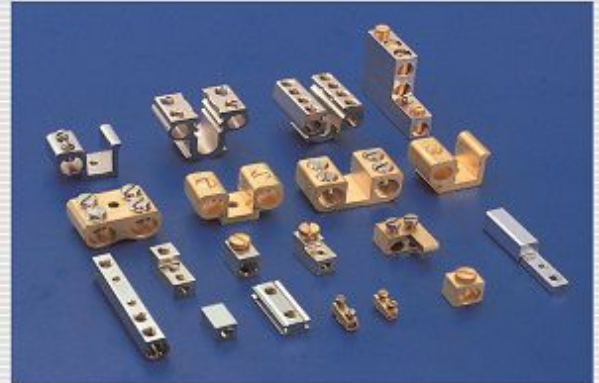


These blocks are used with housing panels in European market.

**Sizes** : 4 way and 8 way

**Finish** : Electro-Tin or Nickel plated

## BRASS TERMINALS / CONTACTS



Brass Terminals and Contacts are available for electrical meters, switches, fuses, cutouts, motors, control gears, street lighting etc.

**Sizes** : As per Customer's designs

## TERMINALS FOR CONNECTORS / EARTHING



Brass Terminals for PVC strip connectors are available in sizes 3 to 50 Amperes (with or without screws). Brass Earthing Terminals for conduit and wiring boxes are also produced in high volumes.

## BRASS PINS FOR ELECTRICAL PLUGS



Brass Pins for electrical plugs and industrial plugs and sockets available. We can offer Brass male and female pins, live, neutral and earth pins. Also pins moulded with Nylon, Teflon and different plastics are available.

# CABLE GLAND SYSTEM



## BW 2 PART CABLE GLANDS

**Features** : To BS 6121 Part 1 most suitable for SWA, plastic or rubber (Elastomer) sheathed cables. Used in dry indoor conditions. No loose parts, It is easy to install and also saves time and money.



## CXT TYPE CABLE GLANDS

**Features** : To BS 6121 Part 1 used with all types of flexible braided cables (CY, YY & SY). It provides seal on outer sheath of cable and clamps wire braid for electrical continuity.



## BW 3 PART CABLE GLANDS

**Features** : To BS 6121 Part 1 most suitable for SWA, plastic or rubber sheathed cables. Used in dry indoor conditions. Separate locking ring helps to clamp the armour properly.



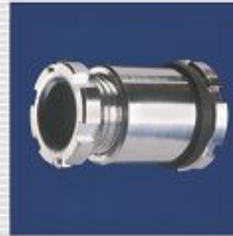
## A2 CABLE GLANDS

**Features** : To BS 6121 Part 1 for indoor or outdoor use with all type of unarmoured cables. It produces seal on outer sheath of cable. Available from 20mm to 100mm.



## CW CABLE GLANDS

**Features** : To BS 6121 Part 1 most suitable for SWA, plastic or rubber sheathed cables. Outer seal grips sheath of cable. For use in most climatic conditions. Weatherproof and Waterproof design. It has separate armour lock rings.



## MARINE CABLE GLANDS

**Features** : To JIS standard F8801 / JIS 8802 / 8803 used on ship decks. Available with Neoprene seals and packing washers / lock nuts. Available from 10mm to 60mm.

**Material** : Brass & Steel



## E1W CABLE GLANDS

**Features** : To BS 6121 Part 1 suitable for SWA or rubber sheathed cables. Outer seal grips sheath of cable while inner seal grips bedding layer of cable. For use in most climatic conditions weatherproof and waterproof.



## SS CABLE GLANDS

**Features** : These are made from Stainless Steel with EPDM rubber. They are available in Metric and PG threads. They are to be used where there is high moisture as they are rust proof and are durable in rough weather.

**Material** : Stainless Steel 304 / 316



## IP 68 CABLE GLANDS

**Features** : Made from Brass nickel plated body and locknut. They have a Polyamide insert, Neoprene O ring and a sealing ring. We can offer up to M90 size with cable range from up to 75mm. It has a vibration lock and Strain relief protection.



## CABLE GLAND KIT (PACK)

Gland Kit is a ready to use pack containing Cable Glands, Lock Nuts, Earth Tags and PVC Shrouds. It is a convenient way for the user to purchase complete cable termination components as he is assured of all the required parts.



## PG TYPE CABLE GLANDS

**Features** : Made to DIN 46320 in hex or round body. Threads to DIN 40430 (80° Angle) available in PG and also ISO Metric threads available as per DIN EN 50262.



## WIPING GLANDS

**Features** : For indoor and outdoor use with panel boards, electrical instruments and transformers.

**Sizes** : 22mm & 25mm bore

**Material** : Brass

## BRASS FITTINGS FOR FLEXIBLE CONDUITS

CONEX offers Brass Fittings to connect flexible electrical conduits with rigid metallic conduits. The fittings are broadly divided into two types (Internal and External screwing types). The Internal fittings can be sub-divided in to fixed and swivel types. These fittings are available in variety of entry threads like ISO Metric, PG, ET & BSP. All our fittings are standard and will be suitable to conduit pipes of major worldwide manufacturers.



### TWO PIECE FLEXIBLE CONDUIT CONNECTERS (MALE & FEMALE THREADED)

2 Piece (Body & Shell) Nickel plated connectors suitable for PVC / STEEL conduits and available in fixed as well as swivel form to be screwed in internally.

FLEXIBLE CONDUIT	RIGID CONDUIT	FIXED TYPE CODE NO.	SWIVEL TYPE CODE NO.
16 mm x	16 mm	CF 12	CS 12
16 mm x	20 mm	CF 13	CS 13
20 mm x	20 mm	CF 14	CS 14
25 mm x	25 mm	CF 15	CS 15
32 mm x	32 mm	CF 16	CS 16
40 mm x	40 mm	CF 17	CS 17
50 mm x	50 mm	CF 18	CS 18

**Material :** Brass to BS 2874  
**Finish :** Nickel Plated  
**Threads :** Metric / PG / Imperial

### ONE PIECE FLEXIBLE CONDUIT ADAPTERS (MALE & FEMALE THREADED)

One Piece Brass Adapters suitable for Steel / PVC conduits to be screwed on externally.

FLEXIBLE CONDUIT	RIGID CONDUIT	CODE NO.
5/8" (16 mm)	3/4" (20 mm)	CA 12
3/4" (20 mm)	3/4" (20 mm)	CA 13
3/4" (20 mm)	1" (25 mm)	CA 14
1" (25 mm)	1" (25 mm)	CA 15
1 1/4" (32 mm)	1 1/4" (32 mm)	CA 16
1 1/2" (40 mm)	1 1/2" (40 mm)	CA 17
2" (50 mm)	2" (50 mm)	CA 18

**Material :** Brass to BS 2874  
**Finish :** Natural Brass  
**Threads :** Metric / PG / Imperial

## THREAD CONVERTERS, ADAPTERS AND PLUGS

Brass and Stainless Steel thread Adapters / Reducers help users with dissimilar thread sizes. Blanking plugs are used to stop and seal conduits and pipes. Also a range of thread accessories like Fiber / Rubber Washers / Seals can be provided.

**Threads :** ISO metric to BS 3643 1981 ISO 965 / DIN EN 50262 (12 mm to 75 mm)  
 ❖ Imperial (ET) to BS 31:1979 (3/8" to 3") ❖ NPT to ANSI / ASME : 1983 (1/8" to 3") ❖ BSP (G) to BS 21:1985 ❖ PG to DIN 40430 : 1971

**Finish :** Natural Brass, Nickel & Chrome Plated



## BRASS MALE & FEMALE BUSHES / SLOTTED PLUGS



**Sizes :** Metric 20 mm to 50 mm (short and long pattern)  
 Imperial 3/4" to 2" (short and long pattern)  
**Threads :** Metric / PG / Imperial  
**Finish :** Natural Brass

## BRASS CONDUIT ELBOWS



One piece die cast 90° and 45° Elbows and Conduit fittings for liquid tight applications.  
**Finish :** Nickel plated

# FASTENERS / FIXINGS



**CONEX** offers a range of Cold Headed and Machined / Stamped Fasteners and Fixings as per DIN / ISO / BS / ASTM / JIS / GOST standards for various applications. All our Fasteners conform to International specifications and have a very high thread quality. 'Go' and 'Not Go' thread gages are maintained throughout production and after plating.

**Threads :** ISO Metric, UNC , UNF, UNS, Pipe Threads.

**Material :** Brass, Copper, Bronze.



## HEX NUTS

It is our most popular Hexagonal Fastener with internal threads that screws on a Bolt, Machine Screw or Hex Cap Screw. As per ANSI / ASME B18.2.2, DIN 934 and ISO 4032 standards. Available in UNC, UNS, UNF and Metric threads.



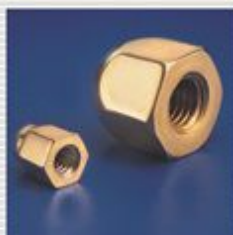
## HEX COUPLING NUTS

Coupling Nuts are internally threaded fasteners that join threaded rods, pipes, and other threaded parts, sometimes parts of differing sizes. They are similar to couplers and available in different threads/sizes.



## FURNITURE CAP NUTS

A Cap Nut is used to connect 2-pieces of wood, often in furniture applications. Installed using a pre-drilled hole where a connecting bolt is inserted and threaded into the connecting Nut.



## ACORN NUTS

Acorn Nuts or Dome Nuts are used to cover exposed Threaded Stud, Rod and Bolt ends with a dome-like cap. This provides safety and a finished look to the exposed threaded end.



## LOCK NUTS

It is a thin Nut that resists loosening under vibrations and torque and usually it is used in conjunction with a full Nut to lock the fastening.



## FLARE NUTS

These Nuts are used for connecting to a Tube or a male Fitting. It connects to Copper, Brass, Aluminum or Steel tubing. They are made from Brass for corrosion resistance, ductility at high temperatures, and low magnetic permeability.



## BRONZE BOLTS

Silicon Bronze Bolts are cold forged and used where there is high strength and corrosion resistance requirement. Widely used in Grounding and Electrical applications.



## MACHINE SCREWS

We offer a wide range of Flat Head Screws, Pan Head Screws, Round Head Screws, Fillister Head Screws etc. to B18.6.2 and other DIN standards.



## TOILET SEAT BOLTS

These Brass Closet Bolts are used to fasten a toilet bowl securely to the floor. They securely fasten a toilet bowl to the floor. Installation is easy and hassle free.

**Sizes :** 1/4" and 5/16" UNC.



## CHICAGO SCREWS

We make Chicago Screws in Metric and Imperial thread sizes up to 3" / 75mm in length. These Chicago Screws are used for book binding, leather assembly, DIY work etc.

## BRASS INSERTS



**CONEX** manufactures Brass Inserts for plastic cold /hot molding, wood and composites. Various types of Inserts like Round, Hexagonal and Square with Helical, Cross and Straight Knurl can be provided. We offer Inserts for molding of Thermoplastics, Rubbers, ABS, Poly-Carbonates, UPVC, CPVC, Bakelites, Formed Plastics, HDPE, LDPE, PP, Acrylic etc.

Moulding Inserts as per customer's designs / samples can also be produced.

**Sizes** : 1/8" to 3/4" and 3 mm to 20 mm

**Threads** : Metric, UNC, UNF, UNS, Pipe Threads etc.

## WASHERS / PRESSED COMPONENTS

We manufacture Plain Washers to DIN 125, 433 and 9021. We also make Bi-Metallic Washers, Wave Washers, Key Blanks, Copper Contacts, Radiator Caps, Special Pressed and Deep Drawn Components for Switchgears, Transformers, Capacitors, Batteries, Elevators, Heaters, Flange Assembly, Automobiles and other electro-mechanical applications. Progressive dies and tooling are available for high volume productions. Pressings up to 8mm thickness can be provided on 400 tonnes press.

**Material** : Brass, Copper, Bronze, Aluminum, Stainless Steel (A2/A4) and Vulcanized Red Fibre.



## METAL CASTINGS



We are experts in Sand Casting, Die Casting, Centrifugal Casting and Shell Moulding of various Brass, Copper and Bronze Alloys. We also offer Stainless Steel Investment Casting for intricate shapes and sizes. Our state of the art foundry casts high end products like Pump Impellers, Grounding Connectors, Bearing Rings, Gears, Bushings, Electrical Terminals, Pipe Fittings, Marine Fittings and Parts for general engineering use. We specialize in casting Aluminium Bronze Alloy Parts for various applications.

**Size Range** : We make parts ranging from 20 grams to 15 Kilogram

## STAINLESS STEEL SCREW MACHINE PARTS

We produce a wide range of Stainless Steel turned / machined parts for high corrosive applications. Stainless Steel is known for excellent corrosion resistance and remarkable mechanical strength. Though Stainless Steel is notoriously difficult to machine, it is widely used in the industry for superior mechanical and physical properties. We can offer Stainless Steel 304 / 316 Stop Plugs, Ferrules, Bushes, Nipples, Unions, Fasteners, Welding Nipples, Cap Screws, Bulkheads, Manifolds, Hydraulic Fittings and Parts for Pressure Gauges and Meters.

**Sizes** : From 2 mm to 200 mm in diameter

**Material** : S.S. to AISI 303, 304, 304L, 316 & 316L



## COPPER SCREW MACHINE PARTS



We offer a wide range of Copper Fasteners, Machined / Forged parts and Threaded components. Parts like Copper Bushes, Plugs, Threaded Bars, Ferrules, Olives and Machined Castings etc. are also offered.

**Sizes** : From 2 mm to 200 mm in diameter

**Material** : High conductivity Copper or Copper based alloys

**Finish** : Bright dipped, Electro-Tin & Nickel

## ALUMINUM SCREW MACHINE PARTS

Aluminum parts for Pipe Fittings, Electrical, Automotive and Fastening use are offered by us.

General Aluminum turned parts as per customer's specifications are also available.

We specialize in Aluminum electrical connectors, Bushes Nuts, Manifolds, Aluminum Conduit Fittings etc.

**Sizes** : 2 mm to 200 mm in diameter

**Finish** : Natural or Anodized

**Note** : Aluminum die-cast components are also available.





## GENERAL BRASS TURNED PARTS / SPECIAL COMPONENTS

We specialize in high volume manufacturing of repetition Brass Machined Parts. Over the decades, CONEX has gained an enviable reputation for being a reliable supplier to OEMs, Assemblers and Importers.

We undertake specialist Brass machining to customer's own specifications which can be for short or long production runs. Our range includes Brass Bushes, Spacers, Finials, Knobs, Terminals, LPG parts, Machined Castings, Brackets, Hardware parts, Unions, Adapters, Pins, Bearing Sleeves, Hydraulic & Pneumatic Fittings and all types of special components in Brass from 0.5 mm to 200 mm in diameter and up to 1000 mm in length.



In addition to machining, we can provide in-house secondary operations that include Threading, Cross Drilling, Milling, Tapping, Centerless Grinding, Deburring and Honing. As we make In-house Brass Rods / Sections, we can offer uneven sectional profiles suitable to customer's needs. **Due to low machining costs and recycling of Brass swarf, Brass screw machine parts are cheaper than Steel and offer very good substitute for Steel turned parts for most applications.**

## HOT STAMPED COMPONENTS

CONEX provides a complete range of Hydraulic and Pneumatic Fittings, Tees, Elbows and other Compression and Flare Fittings. Also available Gas Cocks, Valves and Heater Components and parts which can not be machined due to uneven shapes.

**Finish** : Natural, Electro-Tin, Chrome or Nickel

**Sizes** : As per specifications

**Material** : Brass - BS 2872 - CZ112

Copper - BS 2872 - C101/102

Aluminium - BS 1474 - 6082 TF



# GALVANIZED (G.I.) / STEEL CONDUIT FITTINGS

We offer a wide range of Galvanized Iron (GI), Aluminium, malleable & cast Iron and Zinc die-cast / machined / pressed conduit fittings. We specialize in 2-way, 3-way and 4-way junction boxes, male hooks and Steel pressed lock nuts. High speed die-casting machines, which are suitable for high volume production of conduit fittings with consistent quality are used.

All Metric and Imperial threads are available.



## LOCK NUTS

**Sizes** : 20 mm to 50 mm & 3/4" to 2"  
**Material** : Mild Steel, Zinc & Aluminium  
**Finish** : Electro Galvanized



## SPACE BAR / DISTANCE SADDLES

**Sizes** : 20 to 32 mm & 3/4" to 1 1/4"  
**Material** : Cast Iron  
**Finish** : Galvanized & Black enameled



## FLAT & TWISTED CRAMPETS

**Sizes** : 20 & 25 mm  
**Material** : Mild Steel  
**Finish** : Galvanized & Black enameled



## INSPECTION TEES / ELBOWS (WITH COVER & SCREW)

**Sizes** : 20 to 50 mm & 3/4" to 2"  
**Material** : Cast Iron  
**Finish** : Galvanized & Black enameled



## JUNCTION BOX COVER LIDS

**Sizes** : 20 mm & 3/4"  
**Material** : Mild Steel  
**Finish** : Galvanized & Black enameled



## PRESSED CONDUIT BOXES

**Sizes** : 1-gang, 2-gang & 3/4", 1" deep  
**Material** : Pre-Galvanized Steel sheet  
**Finish** : Electro Galvanized



## EMT CONDUIT FITTINGS

**Sizes** : 1/2", 3/4" & 1"  
**Material** : Zinc / Aluminium die-cast  
**Finish** : Electro Galvanized



## MILLED EDGE LOCK RINGS

**Sizes** : 20 mm to 50 mm & 3/4" to 2"  
**Material** : Mild Steel  
**Finish** : Electro Galvanized



## FEMALE COUPLERS

**Sizes** : 20 mm to 50 mm & 3/4" to 2"  
**Material** : Mild Steel  
**Finish** : Electro Galvanized



## JUNCTION BOXES

**Sizes** : 20 mm to 50 mm & 3/4" to 2" in  
 1-Way to 4-way  
**Material** : Cast / Malleable Iron & Zinc  
**Finish** : Electro Galvanized



## DIE CAST DOME COVERS

**Sizes** : 20 mm, 25 mm & 3/4", 1"  
**Material** : Mild Steel, Aluminium & Zinc  
**Finish** : Electro Galvanized



## HOOK PLATES

**Material** : Mild Steel & Aluminium  
**Finish** : Electro Galvanized



## MALE NIPPLES

**Sizes** : 16 mm to 50 mm & 1/2" to 2"  
**Material** : Mild Steel  
**Finish** : Electro Galvanized



## GALVANIZED MALE HOOKS

**Sizes** : 20 mm & 3/4"  
**Material** : Zinc die-cast  
**Finish** : Electro Galvanized

## COMPANY PROFILE

**CONEX METALS** is a highly trusted partner for sourcing Electrical components, Grounding accessories, Clamps, Terminals, Connectors and Fasteners from India. We primarily manufacture these parts in Brass, Bronze, Copper, Stainless Steel and Aluminum. We manufacture and export to more than 40 countries worldwide including the United States of America, Europe, and Asia including China. Our manufacturing is strategically situated in Jamnagar - Brass and Copper capital of the world - with 3 most modern units. We have an in-house foundry and a fully equipped QA Lab. We export more than 10 million pieces of precision metal components per month. We're an ISO 9001-2015 company and we've invested heavily in latest machinery, professional management and skilled human workforce. We are in this business since more than 3 decades and we pride on offering cost effective solutions to the exacting demands of our customers. We assure you a competitive pricing, timely deliveries, excellent communication skills and prompt customer service.

## MARKETS AND REACH

**CONEX** products are worldwide accepted for their quality and competitiveness. Presently we sell to various OEMs, Importers, Distributors, Agents and Resellers. The competitive edge in our pricing helps them to have decent markup and margins on sales. Aggressive pricing coupled with prompt deliveries ensures enough sales potential for everybody.

For actual users and assemblers we offer substantial price advantage resulting in cost saving which in turn helps to make their own products competitive in the market place.



## MANUFACTURING CAPABILITIES

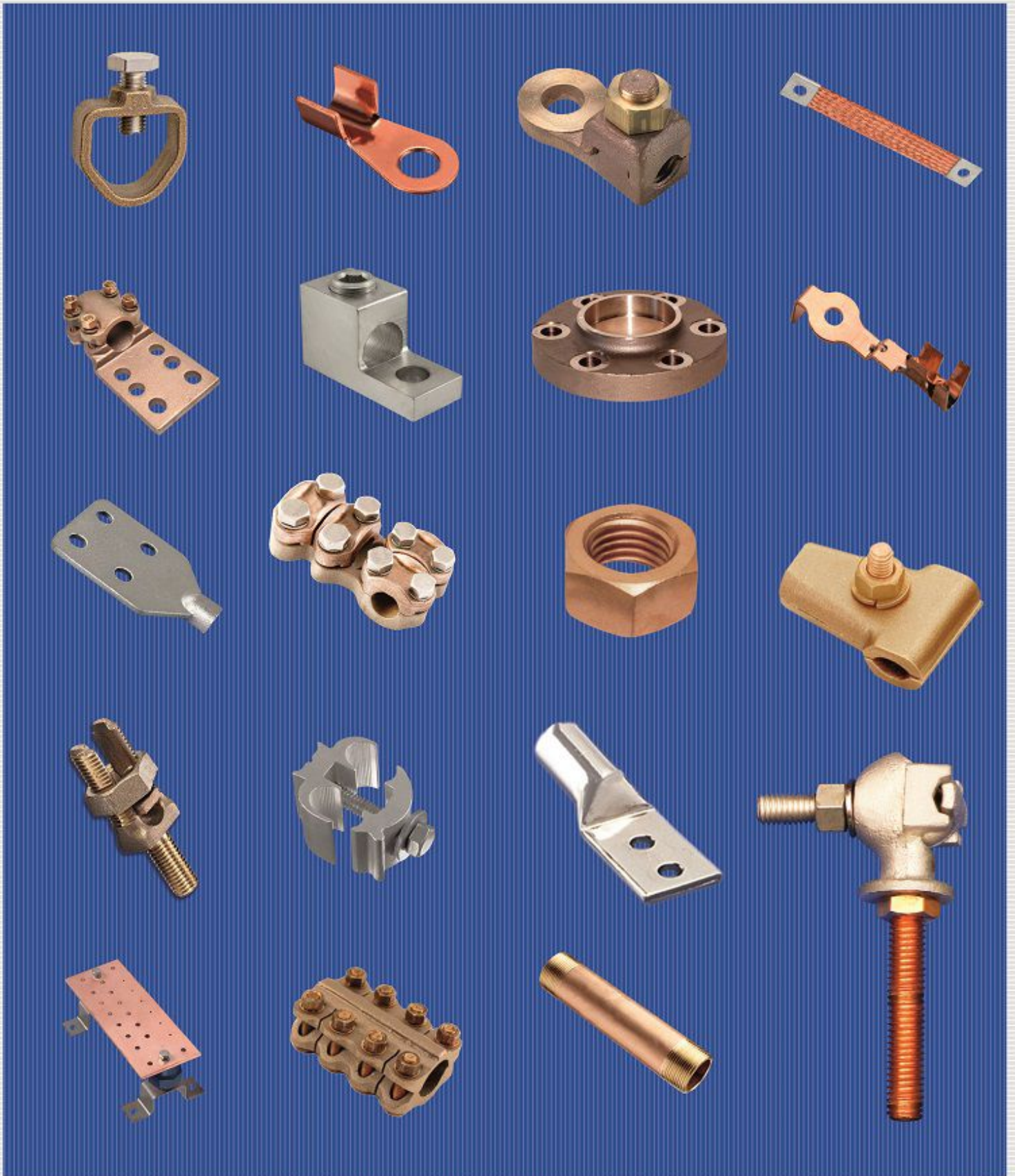
### FACILITIES : MACHINES

- ◆ Automatic Turning Machines
- ◆ Cold Heading Machines
- ◆ CNC Machining Centers
- ◆ Threading Machines
- ◆ SPMs For High Volume Special Parts
- ◆ Forging / Stamping Presses
- ◆ Fully Equipped Foundry With Various Moulds
- ◆ Non Ferrous Extrusion Plant

### FACILITIES : INSPECTION EQUIPMENT

- ◆ Digital Vernier Calipers And Micrometers
- ◆ Spectrophotometer
- ◆ Snap Gauges For Specific Products
- ◆ CoaTing Thickness Gauge
- ◆ Hardness Tester
- ◆ Tensile Strength Tester
- ◆ Thread Go-No-Go Gauges Of Various Sizes
- ◆ Vision Measuring System / Profile Projector





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