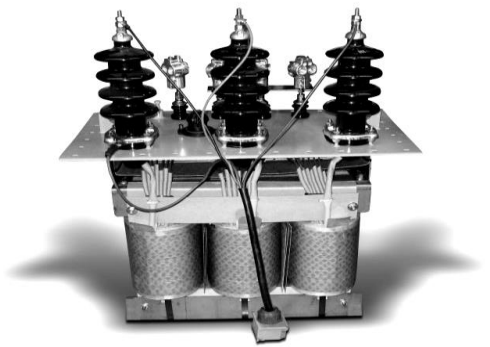


Product And Service Catalog

A total solution for transformer bushing parts and spares.



STRÖM

TRANSFORMERS COMPONENTS

INRODUCTION

Founded in 1995, we are a well established manufacturer of metal parts and spares for transformers. Over the years we have expanded and perfected our product portfolio, and today we can supply entire range of parts and spares with surplus quantity as per our customer requirements.

Since its inception the company has focused on quality production. Gradually, the company has gained its popularity in this field and started supplying its products in the Indian market. At present the company has a market presence in all over India and supplying its products to the leading transformer manufacturers with good after sales service.

Further the company has also started manufacturing aluminium and copper DPC wire for core windings in power and distribution transformers with a production capacity of 20 to 30 MT per month and copper & brass components for Current & Potential Transformers.

In 2015 company has inaugurated its new facility in an area of 10,500 sq. ft. with huge annual production to meet the customer requirements.

The company has a strict policy for quality and ensures minimum metal wastage. All the products manufactured are first tested in laboratories for conductivity and metal composition. Manufacturing and assembling process takes place in high supervision of technical staff to maintain the quality standards.

COMPETITIVE EDGE

- ♣ Focus on quality production.
- ♣ Focus on time management.
- ♣ Multiple channels to market.
- ♣ Highly regarded for our expertise.
- ♣ Dominant supplier in the industry.

MISSION

- ♣ Lead times as defined by our markets.
- ♣ A broad range of products.
- ♣ Quality in all that we do.
- ♣ Technical expertise.

VISION

To become a growing and profitable manufacturer of transformer accessories dedicated to satisfying the collective needs of our valuable customer, suppliers, employees and community.

VALUES

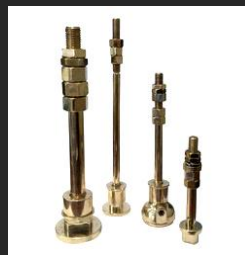
- ♣ We value innovation and a relentless pursuit of continuous improvement in all our process.
- ♣ We value timely decisions based on facts & knowledge.
- ♣ We value team oriented approach.
- ♣ We believe in treating all customers, suppliers, employee and community with dignity and respect.

The Product Range

LV Bushing Assembly

LV Bushing assembly is used to connect the LV winding of the transformer. According to the **IS: 3347 & DIN 42531** standards LV terminal assembly comprise of following parts:

- Threaded Brass & Copper Rod/Stem
- Bottom Nut
- Sealing Washer
- Lock Nuts and Full Nuts
- Porcelain Bushing
- Washer [Top End]
- Washer [stem]
- Flag Connector [Connecting Lug]



S.No.	Bushing Rating (KV/A)	Diameter Of Stem (mm)	Product Code
1	1KV / 250A	12 mm	SBA01A01
2	1KV / 630A	20 mm	SBA01C02
3	1KV / 1000A	30 mm	SBA01E03
4	1KV / 2000A	42 mm	SBA01G04
5	1KV / 3150A	48 mm	SBA01I05
6	3.6KV / 250A	12 mm	SBA02A06
7	3.6KV / 630A	20 mm	SBA02C07
8	3.6KV / 1000A	30 mm	SBA02E08
9	3.6KV / 2000A	42 mm	SBA02G09
10	3.6KV / 3150A	48 mm	SBA02I10

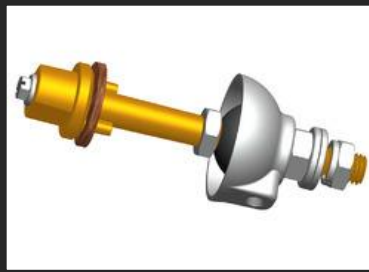
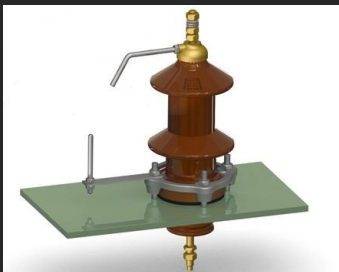
****Note:**

- Surface treatment like Tin plating, Nickel plating & Silver Plating is done on order.
- Bushing Assembly of rating 4500A & 6300A is processed on order.

HV Bushing Assembly

HV Bushing Stem are used to connect the H V winding of the transformer. According to the **IS: 3347 & DIN 42531** standards HV terminal Assembly comprise of following parts:

- Threaded Brass & Copper Rod/Stem
- Cap
- Sealing Washer
- Spark Gap Horn
- Lock Nuts and Full Nuts
- Porcelain Bushing



S.No.	Bushing Rating (KV/A)	Diameter Of Stem (mm)	Product Code
1	17.5KV / 250A	12 mm	SBA04A11
2	17.5KV / 630A	20 mm	SBA04C12
3	24KV / 250A	12 mm	SBA05A16
4	24KV / 630A	20 mm	SBA05C17
5	36KV / 250A	12 mm	SBA07A21
6	36KV / 630A	20 mm	SBA07C22
7	52KV / 1000A	36 mm	SBA08E26

Power Transformer Bushing Assembly

Power Transformer Bushing assembly is used to connect the HV & LV winding of the transformer. According to the **IS: 3347 & DIN 42531** standards bushing assembly comprise of following parts:

- Threaded Copper Rod/Stem
- Cap
- Sealing Washer
- Lock Nuts and Full Nuts
- Porcelain Bushing
- Collar
- Spark-Gap Horn Carrier
- Spark gap Horn [Upper & Lower]
- Flag Connector [Connecting Lug]
- Sealing Washer
- Retaining Ring
- U-Ring



S.No.	Rating (KV/A)	Diameter Of Stem (mm)	Product Code
1	17.5KV / 1000A	30 mm	SBA04E13
2	17.5KV / 2000A	42 mm	SBA04G14
3	17.5KV / 3150A	48 mm	SBA04I15
4	24KV / 1000A	30 mm	SBA05E18
5	24KV / 2000A	42 mm	SBA05G19
6	24KV / 3150A	48 mm	SBA05I20
7	36KV / 1000A	30 mm	SBA07E23
8	36KV / 2000A	42 mm	SBA07G24
9	36KV / 3150A	48 mm	SBA07I25
10	52KV / 1000A	30 mm	SBA08E26
11	52KV / 2000A	42 mm	SBA08G27
12	52KV / 3150A	48 mm	SBA08I28

****Note:**

- Surface treatment like Tin plating, Nickel plating & Silver Plating is done on order.
- Bushing Assembly of rating 4500A & 6300A is processed on order.

Connecting Lugs

Connecting lugs are the type of palm connectors that are used to connect the line feeder to the terminals of the transformer. The size and rating of these connecting lugs vary with the rating and size of the connecting rod. According to the **IS: 3347, IS: 15137 & DIN 43675** standards connecting lugs usually comprise of following parts:

- Brass / Copper Lugs
- Nut Bolts
- Plain & Spring Washer
- Bimetallic Plate [Optional]



S.No	Rating (Ampere)	Size (mm)	Product Code
1	250A	12 mm	SBP00A01
2	630A	20 mm	SBP00C02
3	1000A	30 mm	SBP00E03
4	2000A	42 mm	SBP00G04
5	3150A	48 mm	SBP00I05
6	4500A	55 mm	SBP00K06
7	6300A	75 mm	SBP00N07

****Note:**

- Tin Plating, Nickel Plating or silver plating can be done on order.

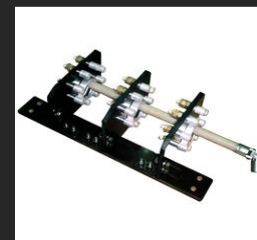
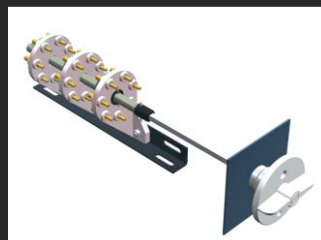
Silica Gel Breather

- During the breathing process, the incoming air may consist of moisture and dirt which should be removed in order to prevent any damage.
- The air is made to pass through the silica gel breather, which will absorb the moisture in the air and ensures that only dry air enters in to the transformer.
- Silica gel in the breather will be blue when installed and they turn to pink color when they absorb moisture which indicates the crystals should be replaced.
- Silica gel used in the breather is as per **IS: 3401**.



OFF Load Tap Changing Switch

- A device for changing the tapping connections of a winding, suitable for operation whilst the transformer is de-energized and is off- load.
- Generally, it consists of a diverter switch with transition impedance and a tap selector, which can be with or without a change – over selector, the whole being operated by the driving mechanism.
- Off load tap changer switch are manufactured as per **IS: 8468**.



Other Accessories

Clamping Member

- Clamps are used to rigidly hold the bushing to the transformer tank. These are made by stamping the clamps out from sheet metal using a power press.
- Clamp is bolted along with aluminium members on the tank of the Transformers.
- Clamping member are manufactured as per **IS: 4257**.



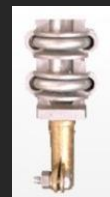
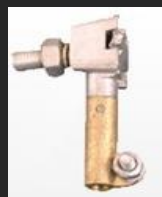
Spark Gap Horn

- Spark gap horn are used in the bushing of the transformers to protect the bushings from surge voltages during overvoltage and fault conditions in the power system. They are manufactured as per **IS: 3347**.



Bi-metallic Connector

- In India, some State Electricity Boards use bi-metallic connectors instead of connecting lugs.
- These are generally made by combination of brass and aluminium in which aluminium part is the line connecting part and brass part is the stem connecting part.



Terminals for Instrument Transformers

- Terminals are used to connect the instrument transformers to the incoming & outgoing line.
- These are generally made from brass and copper through forging and machining using standard raw materials for better quality, feasibility & reliability.
- Our product range includes sizes from 6mm (5 A) to 55mm (4500 A)



Pump Accessories

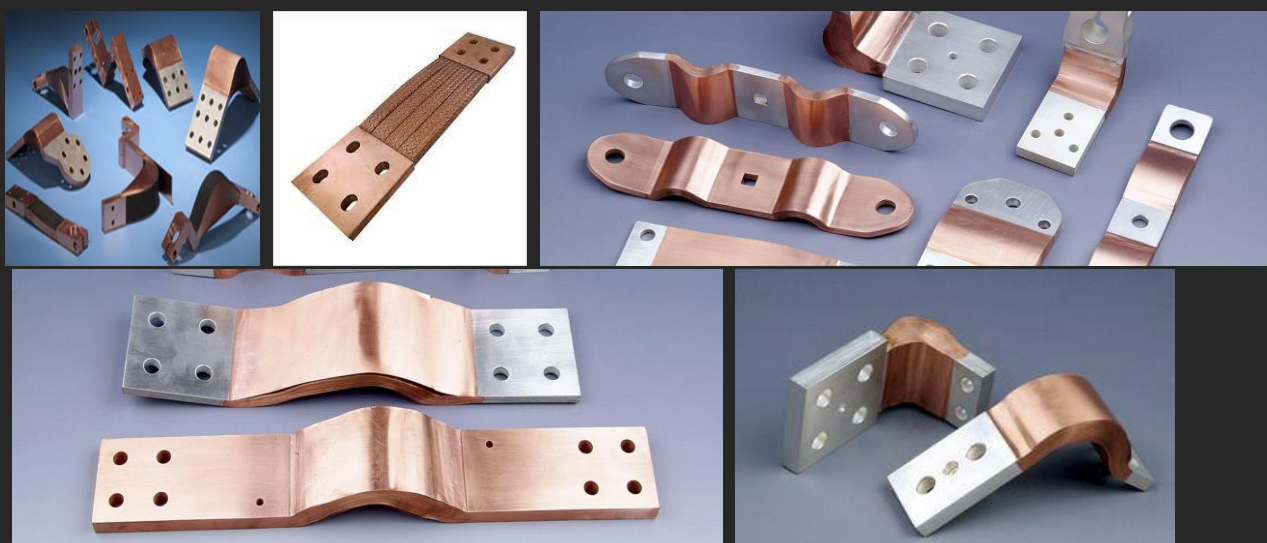
Finger Pressure Disc

- Finger Pressure Disc are generally a part of pump components
- These are made from high quality forged brass and copper.



Copper Flexible Laminated Jumper

- Laminated Flexible connectors are manufactured from high conductivity thin Copper strips stacked together and brazed using high quality copper-silver brazing rods.
- They are used as a substitute of solid bus bars in switch gears where we have limitation of close proximity, vibration and instant response.
- Tin & silver electro plating is also provided to protect them from oxidation.





STROM

TRANSFORMERS COMPONENTS

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