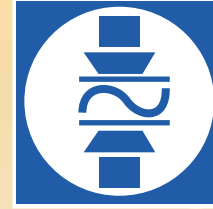


MORE THAN

30 Years

OF
GROWTH &
INNOVATION



AN ISO 9001:2015 CERTIFIED COMPANY

Paradise Electricals
Private Limited®

A Market Leader
in Bimetal & Trimetal
Electrical Contacts

From Director's Desk:



Mr Shammi Chawla
Managing Director

From our humble beginning in 1980's to transforming in India's one of the biggest and renowned manufacturers we take this opportunity to thank our valued customers, whose continued patronage and confidence in our products inspires us to extend the best of our products and enables us to provide value for their money.

Our diverse talented team is our greatest asset. We value ethical codes of practice that are highly nurtured inside the company.

Teamwork, Passion to serve, offer Innovative solutions and focus towards Customer Success are the core elements of our business.

Our Mission

The mission statement of the company is "innovation in technology". Innovation here means new ways of looking at business which implies innovation in products, works and processes.

Quality Policy

We at paradise are committed to continually improve upon the quality of our products. Enhancing satisfaction of our valued customers through on time delivery and defect free products is the prime goal of the company.

The soul of our business is customer satisfaction. This will be achieved by continual improvement in quality management system through teamwork and dedicated efforts of all employees.

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Paradise Electricals
Private Limited®

Bimetal & Trimetal
Electrical Contacts

ONE OF THE
BIGGEST
AND
RENOWNED
MANUFACTURERS
IN INDIA

ESTABLISHED
IN 1980'S, LOCATED
AT THE BUSINESS
HUB OF INDIA

ABOUT US

Paradise Electricals was established in 1980's, located at the business hub of India, Bombay. With the rapid progress of industrialization in the country, there is an ever-expanding demand of electrical contact materials for electronic and electronic equipment.

Being India's one of the biggest and renowned manufacturers, It enjoys clear market leadership in bimetal and trimetal electrical contacts. Company has an open culture with transparency in operations and a professional approach.

HUMAN RESOURCE
REMAINS
THE KEY STONE FOR
PARADISE
BUSINESS STRATEGY.

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Paradise Electricals
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Bimetal & Trimetal
Electrical Contacts

We at Paradise Electricals always ensure to provide our clients with best quality contact rivets, with our world class production plant we supply a wide-range of standard contact rivets, from ready stock.

Also if required we make tailor-made contacts per customer's specifications to suit all their needs.



SILVER PLATING OF ELECTRICAL CONTACTS :

Of all the precious metals, silver is often overlooked, but it can be a valuable metal when it comes to metal finishing. Silver is one of the best electrical conductors available easily, and it also has a high thermal conductivity. Silver plating service allow you to have the metals finished with a coating through silver electroplating, giving the very best conductors required- conductors that are highly corrosion resistant-at a fraction of the cost of other precious metals.



GOLD PLATING OF ELECTRICAL CONTACTS :

Gold is most commonly used as a thin plating on connection points, though it is more expensive as compared to silver plating. The thin oxide layers that most metals form on their surfaces that are exposed to air are not very conductive, and can become pitted and uneven from the chemical reactions thus yielding a poor mating surface for a connector. Because it does not oxidize like most metals, gold can provide a reliable smooth surface that can make good connection with the mated surface.

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Bimetal & Trimetal Electrical Contacts

SOLID CONTACT RIVETS

Are made of entirely precious metal, manufactured directly from wire by cold heading process.

BIMETAL CONTACT RIVETS

SILVER & COPPER, The actual contact portion is made of precious metal while the rest is made of base metal (generally OFHC Copper) and can be supplied duly silver plated. This contact replaces Solid Contacts.

TERMINAL CONTACTS RIVETS

Over and above, the advantages claimed by Bimetal Contacts, it is double headed with head tip layer and shank tip layer of precious contact material while the base material is OFHC Copper. The shank end will be rivetted over to from the second head, when in use.

BIMETAL DISC, BUTTON, BLANKS, INLAYS/OVERLAYS STRIPS, Etc.

The contact layer is of precious metal and base material of electrolyte copper, in separately welded together under pressure at a high temperature.

FIELD OF APPLICATION

Circuit breakers, Motor starters and Reverse switches. Selector, Toggle, Push Button and Domestic Switches. Overload, General purpose, and Industrial Relays. Telecommunications, Electronics, Etc.

We have set an imported automatic German plant on making contact rivets as per DIN Standard, and our engineers are fully trained with the benefit of practical training in Germany, Further, a noteworthy feature of our production is that we can supply a wide-range of standard contact rivets, from ready stock as well a tailor- made contact as per customer's specifications.

PROPERTIES OF CONTACT MATERIALS

Material	Density (gm/cc)	Hardness (VPN)	Conductivity (IAGS%)	Field of application
Silver	10.5	30-80	104	For all type of switches where current is less than 1 OA.
Silver-Copper (3% Cu)	10.4	65-120	90	switches for apparatus, regulators, miniature circuit breakers etc. upto 5A rating.
Fine-grain Silver (0.15% Ni)	10.5	55-100	100	
Silver-Nickle (10% Ni)	10.3	50-90	94	Switches for A.C. D.C. up to 100A, switches for circuit breakers upto 25A rating.
Silver - Nickle (20& Ni)	10.1	60-95	80	
Silver-Cadmium Oxide (int-oxide-10% CdO)	10.2	70-100	80	Light switches, Minature Circuit breakers upto 100A, rating.
Silver-Cadmium Oxide (3nt-oxide-15% CdO)	10.1	80-125	70	

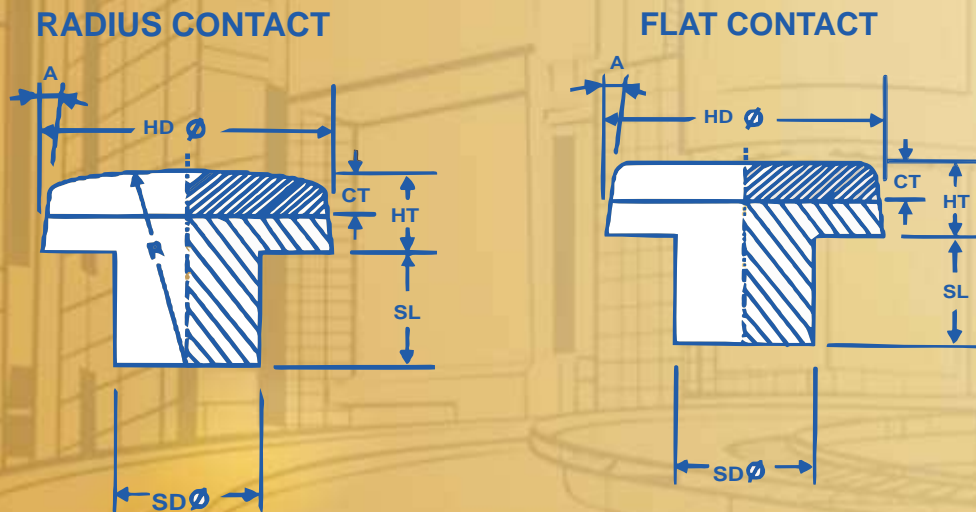
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Bimetal & Trimetal
Electrical Contacts

BIMETAL CONTACTS: STANDARD DIMENSIONS



Cat. No.	Head Dia HD	Head Thick HT	Shank Dia SD	Shank Length SL	Radius R	Angle A
PE:01	2.0	1.0	1.5	1.5	5	10°
PE:02	2.5	0.8	1.5	1.5	6	7.5°
PE:03	2.5	1.0	1.5	1.5	6	7.5°
PE:04	3.0	0.8	1.5	1.5	8	7.5°
PE:05	3.0	1.0	1.5	1.5	8	10°
PE:06	3.5	0.8	1.5	1.5	8	10°
PE:07	3.5	1.0	1.5	1.5	8	10°
PE:08	3.5	1.2	2.0	2.0	10	10°
PE:09	4.0	0.8	2.0	2.0	10	10°
PE:10	4.0	1.0	2.0	2.0	10	10°
PE:11	4.0	1.2	2.0	2.0	10	10°
PE:12	4.0	1.5	2.0	2.0	10	10°
PE:13	4.5	0.8	2.0	2.0	10	10°
PE:14	4.5	1.0	2.0	2.0	10	10°
PE:15	4.5	1.2	2.0	2.0	10	10°
PE:16	4.5	1.5	2.5	2.0	10	10°
PE:17	5.0	1.0	2.5	2.0	15	10°
PE:18	5.0	1.2	2.5	2.0	15	10°
PE:19	5.0	1.5	2.5	2.0	15	10°
PE:20	5.0	2.0	2.5	2.0	15	10°
PE:21	5.5	1.0	2.5	2.0	15	10°
PE:22	5.5	1.2	3.0	2.5	15	10°
PE:23	5.5	1.5	3.0	2.5	15	10°
PE:24	5.5	2.0	3.0	2.5	20	10°
PE:25	6.0	1.0	3.0	2.5	20	10°
PE:26	6.0	1.2	3.0	2.5	20	10°
PE:27	6.0	1.5	3.0	3.0	20	10°
PE:28	6.0	2.0	3.0	3.0	20	10°
PE:29	6.5	1.2	3.0	2.5	20	10°
PE:30	6.5	1.5	3.0	3.0	20	10°
PE:31	6.5	2.0	3.0	3.0	20	10°
PE:32	7.0	1.5	3.0	3.0	20	10°
PE:33	7.0	2.0	3.5	3.0	20	10°
PE:34	8.0	1.5	4.0	3.0	25	15°
PE:35	8.0	2.0	4.0	4.0	25	15°
PE:36	9.0	1.5	4.0	4.0	30	15°
PE:37	9.0	2.0	4.0	4.0	30	15°
PE:38	10.0	2.0	4.0	4.0	30	15°

All dimensions are in mm.

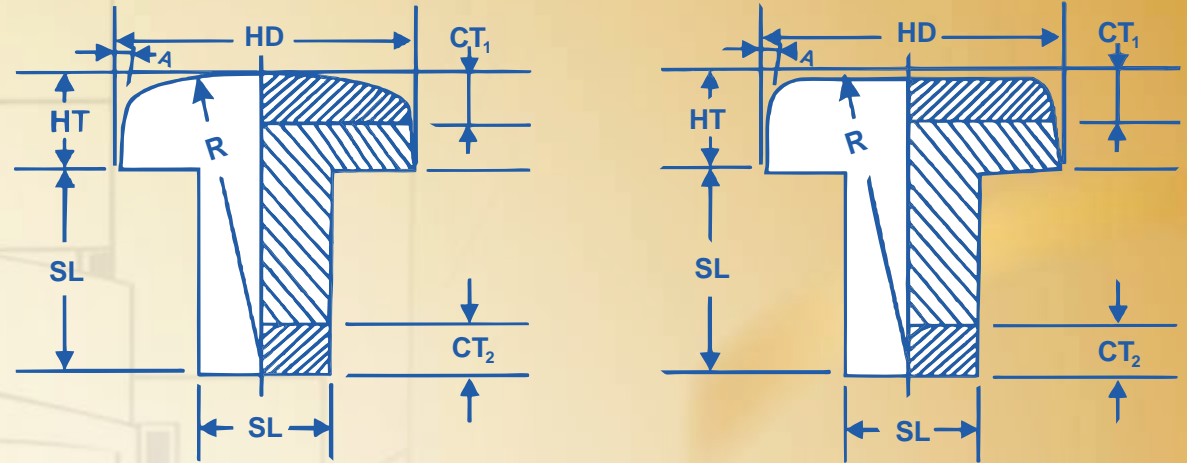
- Solid Contacts are also available as per above dimensions.
- Shank Length can be supplied 1.0 mm to 10 mm
- Layer of Precious Metal Thickness 0.3 mm to 50% of the Head Thickness can be supplied.
- Contact layer can be provided in silver alloys like Ag 99.9; AgNi 10%; AgCd 10%; AgCdo 10%; and
- AgCu3% by melting and sintering process.

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Electrical Contacts



TRIMETAL CONTACTS: STANDARD DIMENSIONS

Cat. No.	Head Dia HD	Head Thick. HT	Shank Dia SD	Shank Length SL	Radius R	Layer CT1 **	Layer CT2
PE:001	4.0	1.0	2.3	3.0	5	0.4	*
PE:002	4.0	1.0	2.3	3.4	5	0.5	*
PE:003	4.0	1.2	2.3	3.0	5	0.4	*
PE:004	4.0	1.2	2.3	3.5	5	0.5	*
PE:005	4.5	1.3	2.3	4.5	10	0.5	*
PE:006	5.0	1.2	2.3	5.0	10	0.5	*

** CONTACT MATERIALS: Alloy Ag/AgNOetc.

* CT2: Length will be provided as required for head.

NOTE: Also Shank Dia 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm 3.5 mm, 4.0 mm and Head Dia up to 8.0 mm, can be produced.

Above contacts are economically produced and can be delivered within a relatively short time.

WHILE ORDERING, PLEASE SPECIFY:

- 1) Catalogue No.
- 2) Contact material.
- 3) Type of Head Flat/Radius
- 4) Dimensions: Head Dia
Head Thickness Shank Dia
Shank Length
Contact Thickness
- 5) Bimetal plating/without plating.



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Paradise Electricals
Private Limited®

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