



# **CARBON & GRAPHITE PRODUCTS**

***YOUR ONE STOP SOLUTION FOR WIDE RANGE  
OF CARBON & GRAPHITE PRODUCTS***



# ABOUT US

DTEC ENGIMECH LLP is counted among the renowned names in Trading and Manufacturing. We offer a wide range of CARBON & GRAPHITE PRODUCTS,

DTEC is a fast-growing Manufacturing and Supplying company in the field of planning, design, development, production & marketing of comprehensive range of CARBON & GRAPHITE for international & domestic markets. We are here to make an accurate job for market with a commitment of setting up increasingly still demand on performance and reliability

DTEC has prompted a work culture tunes to customer focus through good business practices and continuous improvement. Quality is engineered not only in its product but it is the driving force behind whole system.

DTEC has a comprehensive, state-of-art manufacturing unit with impeccable inspection and testing facilities backed by highly skilled and technical core group for the assurance of quality and service.

## Quality Policy

We at DTEC are in the business of manufacturing and supplying finished products as per requirement of our customer. We shall strive for total customer satisfaction by: -

- Delivering product & service of consistent high quality.
- Ensuring involvement of all the employees and enhancing their competency.
- Effectiveness of continual improvement in our product, process and syst

## Manufacturing Facility

DTEC has well equipped manufacturing unit in India having modern manufacturing facilities with CNC, VMC and wide range of Conventional machines to produce CARBON & GRAPHITE components. Surveillance security system installed. Highly trained and skilled, committed manpower to provide good quality products at economical price.

## Timely Delivery

DTEC aims to maximize customer satisfaction through timely delivery and continuous up gradation of our technology to offer unparalleled service to our customer

## Our Focus

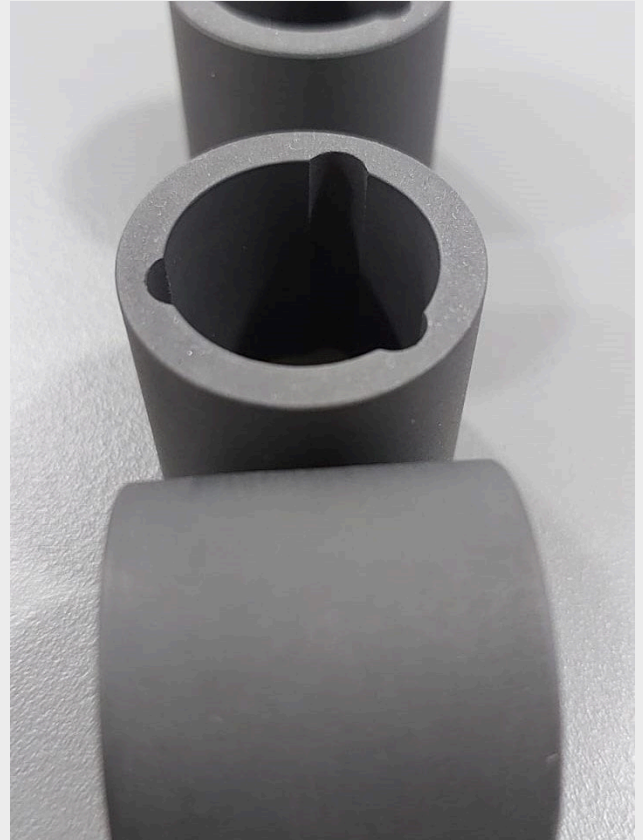
DTEC supplies all the above products to very precised tolerance under rigid quality controls. This product are tested with continues research and development program to fulfill the demand of high performance quality products for CARBON & GRAPHITE.

## Carbon Bush Bearings:

The Carbon bushings that we offer are used as bush bearings. We can custom-manufacture our bearings and bushings to your specific carbon grade requirements & as per the drawings or sizes given by the customer. We design, develop and manufacture each product in-house, so we will work closely with you to create a product that is right your application. Carbon Bush Bearing can be supplied with EN8 SS 316 Duplex material casing and without casing also. Bearing for KSB, Sulzer, KBL Ebara etc type pumps can be manufactured at our factory.

### Applications:

- Thermal power stations
- Chemical plants
- Petrochemical units
- Textiles
- Fertilizers, etc.



## Carbon Seal Rings:



We manufacture Carbon Seal faces using Highly Engineered Carbon Graphite Material imported from Germany and these are available in resin-impregnated and antimony-impregnated grades

We offer blank stock, and various impregnations and can machine intricate seals with polished faces. All of our seals, from the blending of raw materials to the finished product, are made in-house by our specialized craftsmen.

Based on the application details grades are selected and these are made to order against specific drawings and designs of the customers. We manufacture seals for all application be is from Domestic Pumps to Industrial Pumps, Air Conditioning Compressors, Rail, Ship, Steel Mills Power Plants Sugar Mills etc.

### Features:

- Leak-proof operation
- Enhanced durability
- Longer service life
- Dimensional accuracy.

## Carbon Segmental Gland Rings:

Carbon Segmental Gland Packing Rings and Piston Rings which are used in Steam and turbines. Water Turbine, Gas Turbine for different types of industries like Sugar, Cement, Textiles, and Power Plant & Electricity Board etc.

These Packing Rings are of various types and sizes used in Turbines of various kinds also Piston Rings which are also used in Compressors not only as Piston Rod Packing but also as the Components of Pistons, Pistons Rings & Guide Rings.

Carbon Glands are used in the sealing of liquids and gases, restricting leakage to a minimum.

### Advantages

- Individually matched material made of carbon graphite or electro graphite with synthetic resin and antimony impregnation
- High dimensional stability
- Dry-running capability/Specially engineered materials for absolutely dry environments
- Outstanding resistance to chemicals
- Materials are compliant with FDA, WRAS, API685, etc.
- From the smallest to the largest sizes



## Carbon steam Rotary Joints:



Function of Rotary Union is to handle transfer of media such as Water, Steam, Air, or Oil from Stationery to Rotating equipment like Drums or indexing table which are widely used in Paper Mills, Printing, Rubber, Plastic and processing Industries. The most efficient way to connect the steam supply to rotating unit is by way of Steam Nozzle using carbon Seal Ring.

Carbon is preferred material due to resistance to higher temperature sustainability and self-Lubricating properties and has excellent resistance to wear against good counter face material and beds in rapidly and does not score or wear the counter face material. Carbon being a high strength material with light weight is preferred.

Carbon in Resin Impregnated grade as well as Antimony Impregnated Grade can be used and we use Carbon Imported from Germany which has consistency in manufacturing quality of carbon Over Local Source



## Carbon Stocker Bush:

Carbon Bearing has been developed over 60 years.

They are extensively used where contamination from Oil, Grease, or Dust is undesirable, where the temperature is too high for conventional Lubricants, and where operating conditions preclude the use of other materials.

Carbon Stoker Bush Bearings run satisfactorily under conditions that are so varied that it is impracticable to give maximum load and speed.

Carbon Grades employed as Dry Bearings are mainly Carbon Graphite Grade and Metal Graphite Grades and in some special applications, Electro Graphite Grades are also recommended.



## Carbon Vane Blades:



We are regularly manufacture & supplying Carbon Vane blades for all international make pumps such as Becker, Busch, Reitchele, Heidelberg, Orion and host of domestic manufacturers OEM Grade raw material is used to support the best performance of the pump.

Vanes are made in the range of carbon material (carbon graphite) metal impregnated carbon graphite and resin-bounded graphite to meet many different applications. Carbon Vanes are self-lubricating and therefore ideal for pumps handling liquids where lubricating properties are poor, such as petrol, diesel etc. They can also operate in dry compressors to deliver air or gas uncontaminated by lubricating oil or grease.

### Features:

- Dimensional accuracy
- Light weight
- Precise design
- Excellent surface finish

### Application:

- Food processing equipment's
- Packing Machinery
- Printing presses industry

## Carbon thrust Disc & Bearings:

We design and manufacture Carbon thrust Disc & Bearings as per the variegated requirements of our clients, we are offering a broad collection of Carbon Thrust Disc & Bearings. These bearings are manufactured using excellent quality raw material and latest technology by our skilled professionals. In order to ensure quality, these bearing are stringently tested on various parameters by our experts. Apart from this, remarkable quality and unique design increase the demand of our offered range in the market.

### Features:

- Light weight
- Easy installation
- Rust resistance
- Applications:
- For submersible pumps made in segments having best lubricant properties
- Field:
- Agriculture Industries
- Water supply etc.



## Carbon thrust Pads:



We designing manufacturing, exporting and supply Thrust Pads Product. Designed to support predominately axial loads, this product is a particular type of rotary rolling element that permits rotation between mechanical parts. Offered product is designed and manufactured using supreme quality basic materials and state-of-art techniques. As per the varied needs of clients, this Thrust Pads Product is available with us various designs, sizes and specifications at industry-leading prices

### Features:

- Withstand high fluid pressure
- Easy installation • Dimensional accuracy
- Resistant to corrosion

## Piston packing and turbine rings:

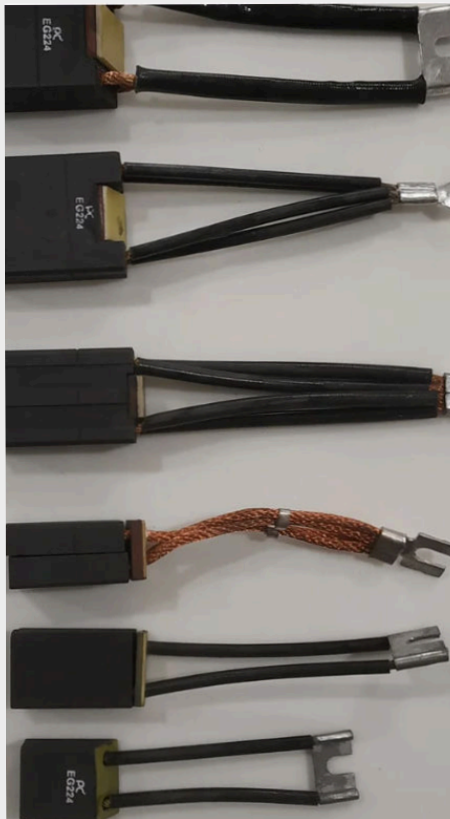
We manufacture, export, and supply a wide range of quality Piston Packing & Turbine Rings. Following industry-defined guidelines, we manufacture the entire range by utilizing contemporary machines, modernized technology, and prime-grade raw materials. To ensure quality, the entire range is rigorously tested against a series of parameters. Apart from this, we offer the entire range in a wide range of specifications as per the requirements of our clients

### Features:

- Flawless finish
- Lightweight
- Excellent shape
- Applications:
- These can be single-piece split rings or segmental rings
- Carbon is a suitable material for piston & packing rings owing to its ability to run dry
- Turbine rings are the wet running packing rings of large diameters used for sealing water turbine shafts



## CARBON BRUSH:



Carbon brushes are available in four main grade categories: carbon graphite, electro graphitic, graphite, and metal graphite. Material types are matched to the demands of the motor or generator as well as the operational environment.

**Solid, one-piece carbon brushes:** Solid brushes are the simplest type of brush used on the most basic of machines with little or no electrical and/or mechanical considerations.

**Fractional HP brushes:** These carbon brushes are also called "spring-loaded" because of the attached spring used to load the carbon in the brush holder. Most of these applications are one piece, however, FHP brushes can also be split.

**Split Carbon Brushes:** Split brushes are designed by bringing together 2, 3, or more carbon sectors into one unit, resulting in optimal electrical and mechanical contact. Splitting the brush allows for more electrical contact points between the brush surface and commutator and evenly distributed pressure or 'riding' capacity.





[sales@dttecindia.com](mailto:sales@dttecindia.com)

[www.dttecindia.com](http://www.dttecindia.com)

+91-9136546160

## **Factory :**

Survey No 150, H No 2, Ayesha Compound, Kaman Kohli, Kaman Bhiwandi highway, Chinchoti, Vasai(East) 401208, Maharashtra, India.

## **Head office :**

1st Floor, Bungalow No 1, Anand India Business Hub, Mahavir Nagar, Next To Mahalaxmi Hospital, Ideal Park, Mira road East, Thane - 401107, Maharashtra, india