

S. D. Industries



Range of Carbon & Graphite Products



Carbon having good sliding properties, and an excellent chemicals stability is specially used for manufacturing sealing rings, bearings & other Carbon products, also carbon impregnated with resin of metals gives better result in specific applications : Some of the mechanical & physical properties are :-

* Self lubrication * High thermal resistance * high corrosion resistance * resistance to thermal shock * Minimum thermal expansion * better thermal conductivity * Less deformation on extreme temperatures.

Dynamic carbon sealing elements can be classified by their properties & field of uses as follows :



• SEALING RINGS :

Applications : Chemical pumps, Industrial pumps, Water pumps, Agitators & Autoclaves.

Field : Refineries * Textiles * Chemical Plant
* Petro chemical * Industries * Nuclear plants
* Food processing

• STEAM JOINT RINGS

Applications : For sealing steam, hot water or heating oil feeds to rotating cylinders or drums.

Field : Textile * Rubber * Sugar * Food processing
* Paper industry.



• CARBON THRUST DISC & HIGH SPEED BEARINGS :



Applications : For submersible pumps made in segments having best lubricant properties.

Field : Agriculture Industries * Water supply etc.,

• CARBON CONTACT & CURRENT COLLECTOR



Application : Carbon current collector for crane.

• PISTON PACKING & TURBINE RINGS :



Applications : Carbon is suitable material for piston & packing rings owing to its ability to run dry. These can be single piece split rings or the segmental rings.

Turbine rings are the wet running packing rings of large diameters used for sealing water turbine shafts.

Field : Hydro & thermal power stations * Refineries
* Fertilizers * Chemical plants * Nuclear Engineering etc.



• **VANES :**

Application : For Compressors & in vacuum pumps and wet running vane type pumps.

Field : Printing machinery * Pumps for medicals
* Mobile compressors * Petrol Pumps * Drink vending m/cs.



GRAPHITE RODS BLOCKS & CRUCIBLES:-

Graphite Rods, Tubes as per customer's Specification.



• **GRAPHITE SLIDE RAILS :**

Application : For cloth stenter m/c. Viz primatex, monfort, famatex etc.

Properties :- High heat resistant, Dry lubricants good flexibility.
Field : Textile.

• **GRAPHOIL PACKING RINGS SHEETS :**



Application : Packing material in stuffing boxes for Valves, pumps, mixers, agitators used for :

- * Chemical : Corrosive fluids, heat transfer fluids.
- * Refrigeration : ammonia, freon, liquid oxygen, liquid hydrogen.
- * Petroleum and petrochemicals : Petrol, natural gases and hydrocarbons.
- Food : all food products, preservatives, colourants.

• **BUSHES & BEARINGS :**



Carbon/graphite bushes & bearings are made in special grades beyond the limits of other materials. These are self lubricants and has a polishing effect upon the shaft against which it rubs, as such the wear rate is low. Also these can run dry and suitable for condition where oil contamination is avoided. These are also unaffected by acids & alkalies and suitable for use up to high temperatures. Carbon impregnated bush bearings in two halves especially developed for stokers of boiler, replaced the cast iron bushes gives most satisfactory result, Because of dry running & high lubricant properties.
FIELD : Thermal power stations * chemical plants
* Petro chemical units * Textiles * Fertilizers, etc.

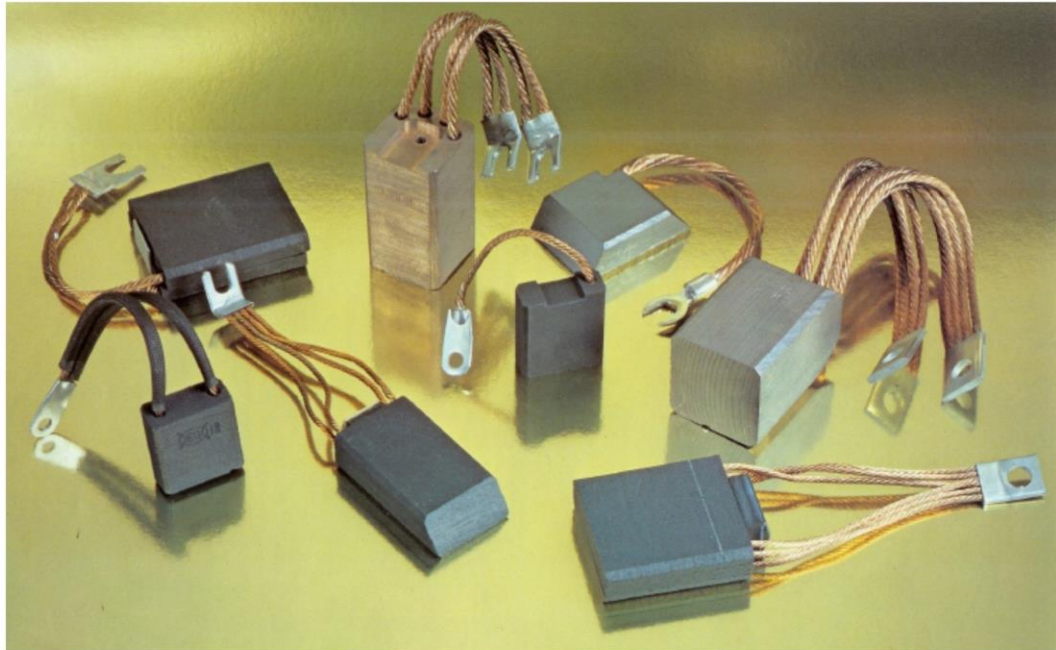
Our Products Range :-

1. Carbon Brushes
2. Brush holder
3. Carbon thrust Disc. for Submersible Pump.
4. Carbon rail for primatex & monfort stenter machinery
5. Carbon seal ring and Guide for steam Rotary joint.
6. Carbon vanes for vacuum pumps.
7. Graphoil Ring
8. Graphite Rods, Block & Crucible.,

WEBSITE: www.carbonproduct.com

Manufacturing Carbon brushes for Generator & D.C. motors
as per customer's require Carbon Grade and Specification

(Brush Holder, Constant Force Spring, Slipring,.)



S.D. Industries

OFFICE: A/17, CHINAI BAUG INDUSTRIAL ESTATE,
NEAR WATER TANK, B/H BANK OF BARODA,
DUDHESWAR, AHMEDABAD 380004 (GUJARAT-INDIA).
PHONE: +91 79 25620778, 25621364
TEL/FAX: +91 79 25621364
MOBIEL: +91 9898369786, 9898569786
EMAIL: info@carbonproduct.com

Sister Concern :



Ahmedabad- 380004.



Carbo- Flex Enterprises.,
Mumbai- 400002.



Brush Holder



Slipring



Constant Force Spring

WEBSITE: www.carbonproduct.com