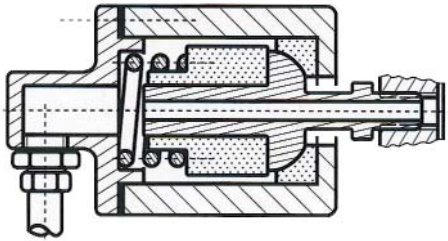


MECHANICAL CARBON

PTFE components



Rotating Steam Joint Seal and Bush

Morgan Industrial Carbon produce various components from PTFE (polytetrafluoroethylene), either virgin or containing fillers such as carbon, graphite, glass, molybdenum disulphide, metals and combinations of the above.

All materials are manufactured to meet application requirements.

Advantages of PTFE components:

- Excellent wear resistance
- Ability to run wet or dry (including intermittent wet or dry operation)
- Tolerance to abrasive particles in the media
- Specially suited where oil free application is essential
- Non brittle, provide good creep resistance under higher loads
- Operating temperature of -200°C to +200°C
- Good thermal conductivity
- Similar static and dynamic friction
- Non toxic
- Non hygroscopic
- Shock resistant

Applications for the use of PTFE materials:

- Seal faces
- Bearings for pumps or pneumatic applications
- Valve seats and slides
- Bearing pads on railway carriages or bogies
- Rings
- Discs
- Turbine glands
- Vane applications
- Crane and rail wheel flange lubrication
- Applications where limited lubrication is possible

Typical industries in which PTFE components are used include:

- Petrochemical
- Transportation
- Pump manufacturers
- Gas / Water utility services

