

MECHANICAL CARBON

sealing ring components



Morgan Industrial Carbon supply sealing rings for all applications.

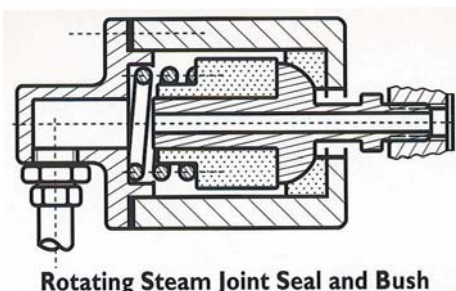
Carbon sealing rings are used as the wear face of most mechanical seals for the sealing of fluids in all industries.

Applications for sealing rings

- Process pumps
- Rotary steam joints
- Seals for agitators and autoclaves
- Chemical pumps
- Cold and warm water pumps
- Corrosive liquid pumps

Carbon is well suited to be used as a sealing ring due to have the following properties

- Very good chemical resistance
- Good thermal conductivity
- High wear resistance
- Good corrosion resistance
- Dry running properties
- Good frictional properties
- Outstanding resistance thermal shock
- Low thermal expansion



Due to the need for sealing rings to be impervious the carbon material is impregnated with either resin or various metals. Morgan Industrial carbon should be contacted to ensure the correct grade is used for applications. Seal faces can be supplied unlapped or if required lapped to three helium light bands of flatness.

Carbon seal faces are compatible with a wide range of metallic and ceramic counterfaces including silicon carbide and tungsten carbide.

