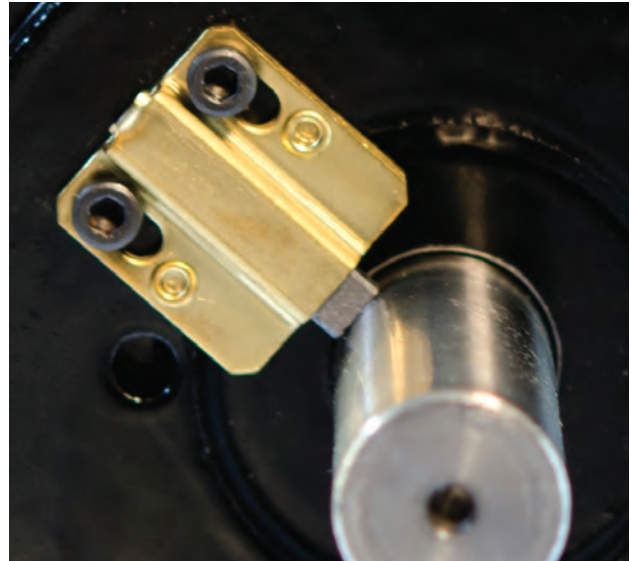


Helwig Carbon

New Bearing Protection Solution

BPK-IM2 - Proven Technology in a Compact Design



Compact Bearing Protection Kit

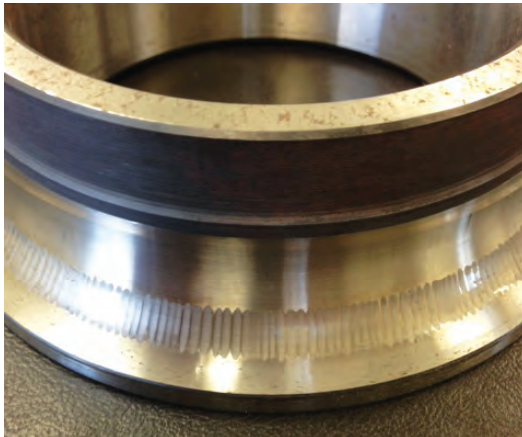
- A proven solution to protect your motor bearings.
- Most effective technology for minimizing shaft voltages & damaging currents.
- Ideal for small motors (shaft sizes below 1.25") with limited space.
- Can be easily installed internally or externally.
- Compact design: .214" X 0.75" X 0.75" (5.43mm X 19.05mm X 19.05mm).
- Brush enclosed for protection from contaminants.
- Contained helical coil spring for consistent low resistance contact.
- Small size and slotted mounting holes for easy installation close to contact surface.

For more information on your bearing protection needs, contact Helwig Carbon at **800-962-4851**.



Causes of Bearing Damage

Many AC and DC Motors with variable frequency drives (VFD) produce induced voltage on the motor shaft. The electric charges seek the path of least resistance to ground which is typically through the motor bearings. When current passes through the bearings electrical arcs take place leading to fluting, pitting, and bearing damage. The fluted or damaged bearing surface causes noise, vibration, premature bearing failure, and costly downtime with lost revenue.

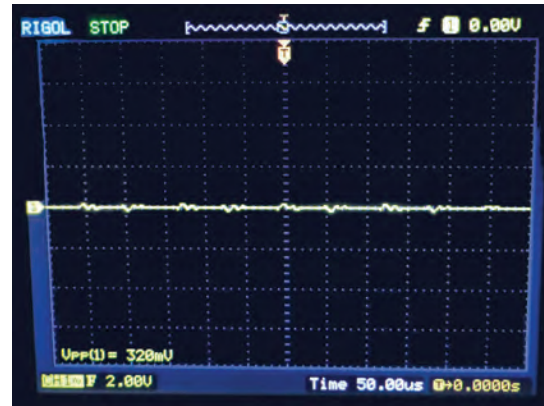


Preventing Bearing Damage

Helwig Carbon uses proven silver graphite brush technology in a variety of bearing protection kits (BPK) for the most effective shaft grounding. Our kits divert damaging electrical currents away from the bearings for long term reliability.



Unprotected Motor



Protected with Helwig BPK

Where Bearing Protection is often needed:

- Motors with VFD
- HVAC Units
- Pump Motors
- Fans
- Air Handling
- Compressors
- Elevators
- Data Centers
- Chillers
- Conveyors
- Refrigeration
- Generators
- Water Treatment
- Propulsion Systems
- Cranes
- Wind Turbines

