BEARING PROTECTION KITS

PATENTED DESIGN

UL APPROVED

WEG Motors: Now available with shaft grounding solutions provided by Helwig Carbon.

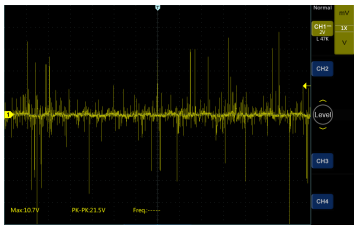
- Provides ultra-low resistance path to ground damaging shaft currents
- Long-lasting silver graphite brush
- Provides 10+ years of protection from EDM damage*
- Handles common mode and high frequency currents with ease
- Durable brass body to withstand harsh applications
- Positive spring force for consistent contact, even in contaminated environments
- Industrial strength, durable mounting bracket

*Under normal operating conditions. Based on lab and field test results.•

Shaft Grounding Test Results

Performed on 5HP, 460vac, 3Ph Inverter Duty Motor with a VFD

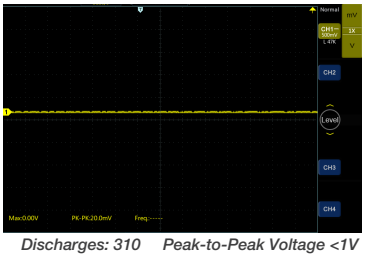
UNPROTECTED



Discharges: 475 Peak-to-Peak Voltage 8V

21.5 VOLTS
PEAK TO PEAK

PROTECTED BY HELWIG BPK



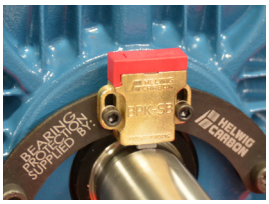
Discharges: 310 Peak-to-Peak Voltage <1V

LESS THAN 1V
PEAK-TO-PEAK WITH HELWIG BPK

6655 Sugarloaf Parkway Duluth, GA 30097 - GA / USA
Phone: 1-800-ASK-4WEG Email: info-us@weg.net

The Risk

AC and DC Motors with variable frequency drives (VFD) produce induced electrical currents on the motor shaft. This current seeks 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 cause noise, vibration, and premature bearing failure. This can lead to costly downtime and lost revenue.



The Solution

BPK technology is proven to provide the least resistant path to ground for induced shaft currents. The kits divert common mode and high frequency currents away from the bearings, protecting them from EDM damage.

Find the part you need fast.

Motor frame numbers	WEG part numbers
445_7T	HELWIG-905
447_9T	
444_5T	
L447_9T	
586_7T	
588_9T	
364_5TS	HELWIG-907
404_5TS	
364_5T	
444_5TS	
445_7TS	
447_9TS	
586_7TS	
588_9TS	
L447_9TS	
404_5T	HELWIG-910
320_6T	HELWIG-912

QUESTIONS?

1-800-ASK-4WEG | www.weg.net

BEARINGS PROTECTED BY

HELWIG CARBON PRODUCTS, INC.

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