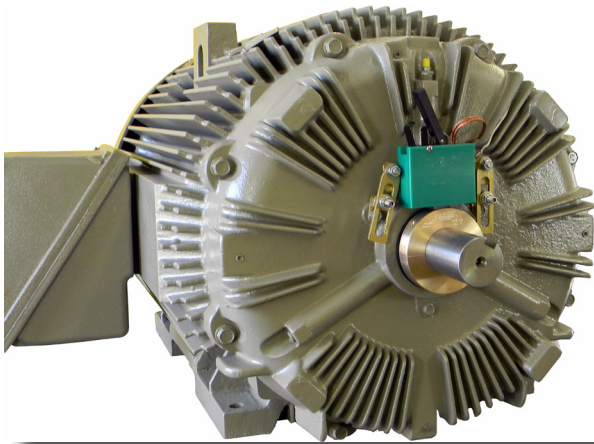


SGS™ SR Series Split Ring Systems

shaft grounding systems, inc.

The heavy duty patented SGS™ split ring shaft grounding systems are designed to control shaft-to-frame capacitive discharge through bearings in motors, gears, shaft, couplings, tachometers and rolls by providing a single low impedance pathway from the shaft to the frame. They also can be used as part of a system to control damage resulting from circulating currents or other electrical potentials. Installation can normally be done



Patented SGS™ SR series Split Ring system mounted on a typical motor.

in the field with hand held tools without uncoupling or moving the equipment.

The SGS™ SR series split ring kit is designed to clamp onto the shaft. This unit normally requires approximately 1.5 inches of clear straight axial length of the shaft for installation. Systems requiring less clearance are available.

If circulating or eddy currents are present and no motor bearing is insulated, then two shaft grounding systems should be installed to pass the eddy current around both motor bearings while also controlling the capacitive discharge. In our experience, eddy currents are not normally a problem except on larger AC motors (200 hp or larger). If the ODE motor bearing is insulated to control eddy current, one shaft grounding system should be used at the DE bearing to control the shaft-to-frame capacitive discharge. A single insulated bearing will not control capacitive discharge through the non-insulated bearings.

Please call or e-mail with any questions regarding your shaft grounding needs.