



# Protecting VFD-Driven Motors from Bearing Damage

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Electro Static Technology

## AEGIS® Rings — Easier Than Ever to Buy and Install



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### New Split uKIT Speeds Retrofit of AEGIS® Ring on Virtually Any Motor

The AEGIS® SGR Bearing Protection Ring protects the bearings of VFD-driven motors from electrical damage, and the new AEGIS® Split-Ring Universal Mounting Kit (“Split uKIT”) allows quick and easy retrofitting of the ring on virtually any AC motor shaft — without decoupling attached equipment.

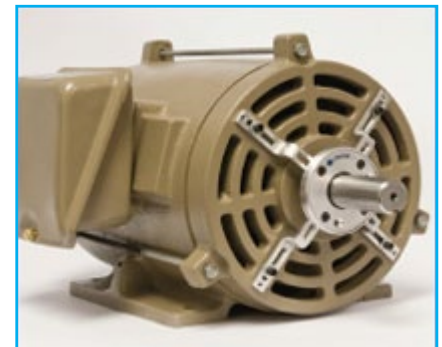
The Split uKIT is ideal for HVAC service contractors and plant maintenance departments — anyone who wants to install an AEGIS® Shaft Grounding Ring on a motor already in service. Designed to accommodate slingers, shaft shoulders, and other end bell protrusions, the kit comes with a split AEGIS® ring, the halves of which are held together with an adhesive strip. This strip is designed to be peeled back, allowing the ring to be opened on one side and then closed around the motor shaft for simple installation. Ordered based on a motor’s frame size, the kit includes the correct size split AEGIS® grounding ring and mounting hardware — screws, washers, Allen wrenches, and four styles of brackets, which can be used in a wide range of combinations to facilitate mounting the ring on virtually any NEMA and IEC motor faceplate. Brackets can be attached either by drilling and tapping small holes or by applying AEGIS® Conductive Epoxy (sold separately).

For more information on the new AEGIS® Split uKIT, [click here](#).

To download a datasheet on the new AEGIS® Split uKIT, [click here](#).



*New AEGIS® Split uKIT speeds and simplifies field installation of the AEGIS® Ring without decoupling in-service motors.*



*The AEGIS® Split u-KIT can be mounted using screws (included in the kit) or conductive epoxy (sold separately).*

### Regal Beloit Century® Motors Offers AEGIS® Rings on 3-Phase Catalog Motors

As part of its ongoing efforts to offer customers greater value, Regal Beloit Century® Motors recently announced that it will now offer the AEGIS® Shaft Grounding Ring as an add-on to any 3-phase 56 frame through 440T frame catalog motor, including short-shafted motors. The rings provide protection against premature bearing failure that can occur when electrical voltages induced on a motor’s shaft discharge through bearings.

When used to control AC motors, variable frequency drives (VFDs) induce electrical voltages on the shaft of



*Regal Beloit Century® Motors now offers AEGIS® Rings on all its 3-phase catalog motors.*



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the motor. When these voltages exceed the resistance of the bearing lubricant, they discharge through motor bearings causing EDM machining — a process that creates fusion craters, tiny pits on the ball bearings (frothing), and washboard-like ridges called fluting on the race wall. Eventually, this damage leads to excessive bearing noise and premature bearing failure.

The AEGIS® Ring, however, provides a path of least resistance to channel these destructive voltages away from bearings safely to ground, extending motor life. Permanently secured in place by a patented FiberLock™ Channel, the ring's proprietary microfiber brushes are designed to bend and flex without breaking. Through the principles of ionization, they provide superior electron transfer rates and extremely efficient discharge of shaft voltages. Once installed, the ring is maintenance-free, contamination-proof (unaffected by oil, grease, dirt, or dust), and lasts for the life of the bearings.

AEGIS® Rings are recommended for any motor controlled by a VFD, including those used in commercial, HVAC, and industrial applications. AEGIS® Rings are installed on standard Regal Beloit Century® motors through a controlled process.

For more information on Regal Beloit Century® Motors' modification program, [click here](#).

For more information on AEGIS® Shaft Grounding Rings, [click here](#).

#### Stop by and See Us at AHR Expo: Booth 3717

If you are at AHR Expo, please stop by the Electro Static Technology booth (South Hall, Booth 3717) to see our exciting new products.

We will be demonstrating our new AEGIS® Shaft Voltage Test Kit, which allows you to measure voltages on motor shafts in real time.

We will also be demonstrating how easy it is to retrofit AEGIS® rings on in-service motors using our new AEGIS® Split u-KIT.

We hope to see you there!



*Please stop by the AEGIS® booth at AHR Expo (South Hall, Booth 3717) to see our exciting new products.*



*AEGIS® Shaft Voltage Test Kit lets you confirm the presence of damaging voltages on motor shafts and to accurately measure their strength.*