



Installation Guide for Split Ring:

1. Shaft must be clean & free of any coatings, paint, or other nonconductive material.
2. AEGIS SGR microfibers should not operate over keyway. If SGR will operate over a keyway, fill keyway with a fast-curing epoxy in the area of contact.
3. Split Ring must be installed on a flat surface.
4. Peel back one side of the tape to disconnect the 2 pieces of the SGR. Place the SGR over the shaft. Pinch both halves to ensure spacers are in place and replace tape firmly against side of SGR to keep both pieces together. The spacers remain in place until SGR is firmly mounted to end bell.
5. Install the SGR so that the aluminum brush holder maintains an even clearance around the shaft. Conductive MicroFibers™ must be in contact with conductive metal surface of the shaft.

English Mounting Hardware:

- a. Drill (4) holes using a #36 drill
- b. Depth of hole should be 1/4" *
- c. Tap each hole with a #6-32 tap

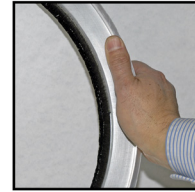
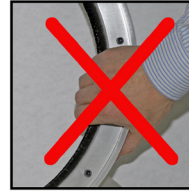
Metric Mounting Hardware:

- a. Drill (4) holes using a 2.5mm drill
- b. Depth of hole should be 6mm *
- c. Tap each hole with a M3 tap

*CAUTION:
DO NOT DRILL INTO
BEARING

6. Hold the SGR in place by fastening brackets to motor end bell using screws and washers provided*. Use minimum of 4 mounting brackets, supplied with SGR, to ensure proper ground connection.
7. Remove spacers and tape.

Tape and spacers are included to aid with installation.



Care should be taken when handling the AEGIS™ SGR to prevent fiber damage during installation.

8. After installation, test for conductive path to ground using Ohm meter. One probe on metal frame of SGR and one probe on motor frame. NOTE: Motor must be grounded to common earth ground according to applicable standards. CAUTION: SGR IS NOT A GROUND FAULT PROTECTION DEVICE.
9. In occasions where SGR is exposed to excessive debris, additional protection of the SGR fibers may be necessary. Call technical support at 207-998-5140 or email techsupport@est-aegis.com



31 Winterbrook Road
Mechanic Falls, ME 04256
Tel: 207-998-5140
Fax: 207-998-5143

Sales/Customer Service: sales@est-aegis.com

Technical Support: techsupport@est-aegis.com

www.est-aegis.com

**AEGIS™ SGR Split Ring
Application and Installation Notes**

- The AEGIS™ Bearing Protection Ring is a preventive protection system specifically designed to discharge shaft currents caused by variable frequency drives (VFD) and circulating currents in AC and DC motors.
- AEGIS™ SGR will not repair pre-existing motor bearing damage. In some cases pre-existing bearing damage may continue. Motors that were exposed to unprotected operation should have bearings replaced before AEGIS™ SGR is installed.
- In most cases the reason customers will invest in the AEGIS™ SGR Split Ring configuration is to avoid disassembly of equipment. Customer will need to drill and tap mounting bracket holes and special tools may be required.

Note: A right angle drill unit may be needed and will require a minimum of 6" clearance, pending the drill unit size, from the drill hole to any interference (Coupling, Flange, Gear Box, etc.)
- To assure proper AEGIS™ SGR grounding use the standard mounting hardware which is supplied with the SGR. Do not use thread compound on mounting screws as it may interfere with proper grounding.

WARRANTY: Units are guaranteed for one year from date of purchase against defective materials and workmanship. Replacement will be made except for defects caused by abnormal use or mishandling. All statements and technical information contained herein, or presented by the manufacturer or his representative are rendered in good faith. User must assume responsibility to determine suitability of the product for intended use. The manufacturer shall not be liable for any injury, loss or damage, direct or consequential arising out of the use, or attempt to use the product.