

SGR Installation Instructions

REFER TO AEGIS™ SGR APPLICATION NOTES FOR BEST PRACTICES.

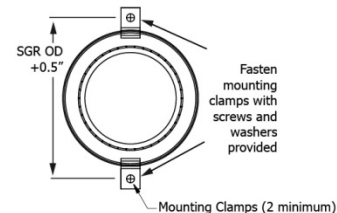
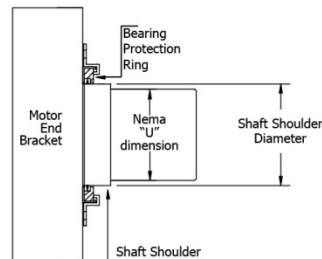
http://est-aegis.com/datasheets/Application_Notes.pdf

Installation Guide:

1. Shaft must be clean & free of any coatings, paint, or other nonconductive material.
2. AEGIS™ SGR should not operate over a keyway. If SGR will operate over a keyway, fill keyway with a fast-curing epoxy putty in the area of contact.
3. 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.
4. English Mounting Hardware:
 - a. Drill (2) holes using a #36 drill
 - b. Depth of hole should be 1/4" *
 - c. Tap each hole with a #6-32 tapMetric Mounting Hardware:
 - a. Drill (2) holes using a 2.5mm drill
 - b. Depth of hole should be 6mm *
 - c. Tap each hole with a M3 tap
5. To improve the conductivity of the steel shaft surface we recommend coating the shaft, where the fibers will contact the shaft, with our AEGIS™ Colloidal Shaft Coating PN CS015. See CS015 instructions for application.
6. Hold the SGR in place by fastening clamps to motor end bracket using screws and washers provided. Use minimum of 2 mounting clamps, supplied with SGR, to ensure proper ground connection. **Do not use Loctite® or any other non-conductive material to secure the screws.**
7. 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 with drive according to applicable standards. CAUTION: SGR IS NOT A GROUND FAULT PROTECTION DEVICE.
8. 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

*CAUTION:
DO NOT DRILL INTO
BEARING

Patented Technology



Note: If you have a slinger or a shaft shoulder that is less than 0.375"(9.5mm), you will need the NEMA kit. See NEMA-IEC datasheet for more information.

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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.

AEGIS™ SGR, AEGIS™ Bearing Protection Ring, Conductive MicroFiber™ are trademarks of Electro Static Technology-ITW
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Form 120-3



SGR Installation-American Standard Mounting Hardware



1. Clean shaft



4. Drill hole 1/4" deep

Installation Tools:

Drill

#36 drill bit

Hammer

Transfer punch

6-32 tap

Allen wrench-7/64"



2. Center SGR on the shaft to ensure fiber contact.



5. Tap hole



3. Mark drill point using transfer punch and mounting clip.



6. Secure SGR with 2 or 3 mounting clips and hardware.

Shaft must be clean & free of any coatings, paint, or other nonconductive material.

