

Installation Procedure: (Fully Split and Semi-Split) with standard Elastomer & Ring Config.

The installation process for the DURA-SHIELD Split Design Shaft Seal is similar to our non-split seals. This literature will only address the steps that differ from non-split seal installation.

1. You have received the DURA-SHIELD Shaft Seal in its final assembled configuration. Please note locations of Teflon and Stainless Steel plates. If complete disassembly is required re-assemble seal as delivered. You will need to use a silicon sealant at the seams and between Teflon Plates and Housing.

2. At this point you are ready to un-assemble seal. Decide which face will be placed against the equipment. On the reverse face loosen the plates slightly by un-screwing the (6) bolts that hold the plates down. As you can see, the Split Designed Seal uses bolts that run through tabs on the side of housing to hold two halves together, remove bolts and pull both halves apart.

3. If you need to completely dis-assemble seal, when you start to reassemble seal, use silicone sealant on each layer and over each seam of the split in the plates. Be careful not to use excessive amounts and keep interior of the seal free from silicone that could obstruct internal movement. The silicone sealant is very important for proper assembly of the seal to keep air loss to a minimum.

4. Assemble rubber seal around shaft loosely so it can slide. Un-bolt then re-assemble wear rings around shaft. Use a small amount of silicone sealant on the face of rings that touch rubber elastomer. Press rings over elastomer on both sides. The elastomer retainer portion of the split rings will hold rings in place. Make sure there is good contact between elastomer and rings and that rings are bottomed out to the elastomer. **NOTE: New split ring design allows for a much easier installation than our previous dove-tail joining system.** [VIEW: STEP 1](#)

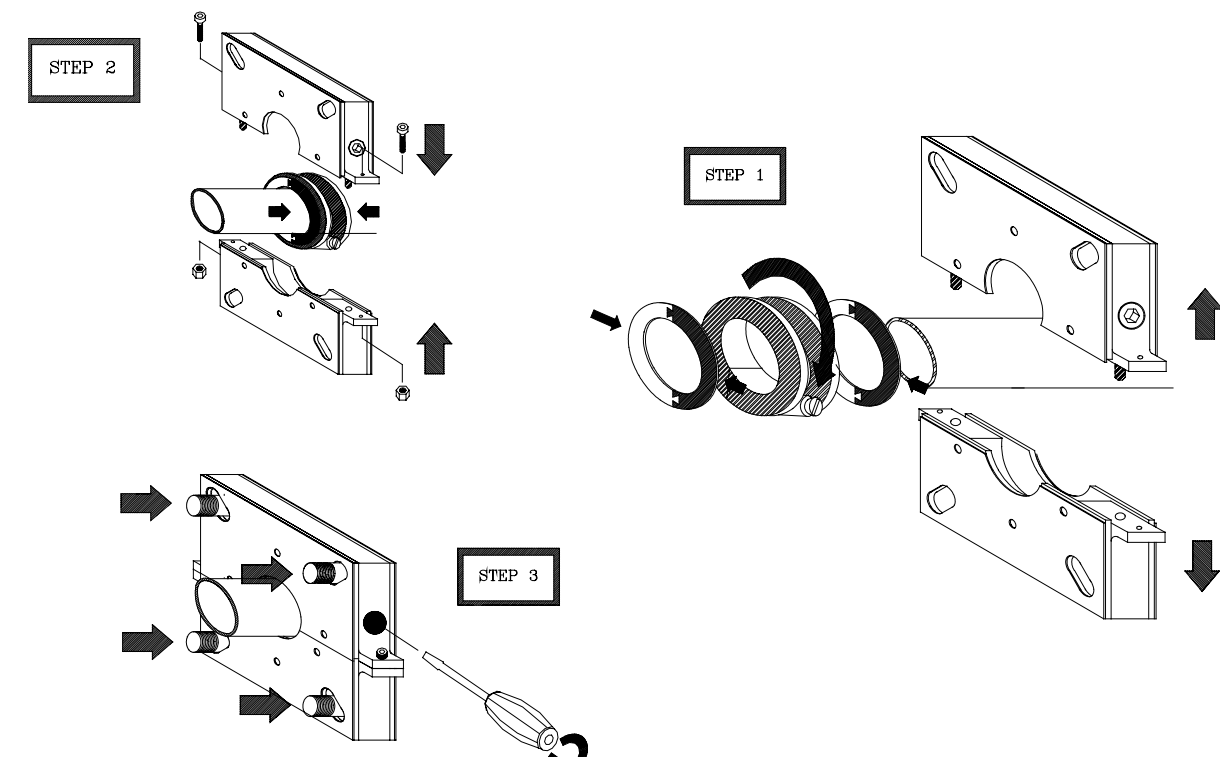
5. Assemble both halves of seal over the elastomer and both rings. If necessary loosen face plates that are away from machine, this should allow for easier installation. Once the two halves of seal are assembled over elastomer and rings, re-tighten face plates. The seal should be fairly rigid and easy to work with now. Tighten the two shoulder screws on the ears of the seal housing to hold seal fully together. [VIEW: STEP 2](#)

6. You can now start to slide seal assembly over mounting studs and into place. Remember to use silicon sealant on face of seal between seal and machine.

7. Once seal is tightened to mounting bolts go ahead and tighten elastomer to shaft. At this point install shaft seal in the same fashion as a Non-Split seal. [VIEW: STEP 3](#) Please review **Non-Split Type DURA-SHIELD Shaft Seal installation instructions.**

8. For SDSS (Semi-Split Seals) the installation process is identical to the SDNS Series (Non-Split Seals). When doing a rebuild of an Semi-Split Seal treat installation of the internal split rings as you would an SDFS (Fully-Split) application.

Fully Split Design SDFS Series shown. For EA and RX type seals the installation is slightly different and may require additional procedures for proper seal placement. If you have an EA or RX Type split seal we recommend that you call AGD Products, Inc so one of our sealing experts can give you installation help.



Example: Properly installed SDFS Series.



Example: Properly installed SDNS Series.

Thank you for your purchase of a DURA-SHIELD Engineered Seal. If we can be of further assistance please feel free to contact one of our sealing experts. We are always interested in helping our customers and learning more about your applications.