

1. Check the mounting surface area for smooth fitment and check for a complete mate from the end surface to the seal's faceplate. Be sure to clean & degrease the mounting area before you apply the RTV Sealant. Do not de-grease with mineral spirits or similar solvents, only use Denatured alcohol to clean and degrease the mounting area. Once the mounting surface is clean you can apply RTV sealant and mount the seal.
2. Only use a compressible gasket made of rubber, neoprene, silicone etc when the seal has a gap over 3/16". Coat both sides of the gasket with RTV before permanent installation. AGD offers gaskets cut to make the profile of your seal. Talk to your AGD rep for more details.
3. Use a torque wrench and be sure to apply equal pressure to all mounting nuts & bolts. Mild torque is sufficient depending on the application and seal size.
4. For installations with a pneumatic air purge be sure to leave enough slack in the air-line before the air regulator, so you can move the about 4-5" without disconnecting the purge.
5. If you decide to purge the seal with grease. Fill seal at least once daily with a grease gun or you can use an automatic spring lubricator. AGD offers automatic lubricators from Pulsarlube, please contact us for pricing.
6. When aligning shaft for hose clamp tightening, sometimes it is easier to jog the shaft into position by removing the back-plate of the drive motor and rotating motor cooling fan by hand. This lets you move the shaft easier with the seal installed. (Check with manufacturer of equipment to see if this can be done)
7. Check the torque of the hose clamp on the elastomer periodically to insure a proper seal to the shaft. Finger tight with an additional 1/4 turn is usually sufficient. As the internal plates wear over time this adjustment becomes more necessary. When you tighten the elastomer the internal expansion of the elastomer creates outward pressure against the seals internal wear plates maintaining longer life of the seal. If the current torque seems the same but the seal is failing, increase torque on the clamp more in half turn increments until leaking stops. If you tighten two full turns and the leaking issue persists it's time for the seal to be rebuilt.
8. For optimal operation of DURASHIELD seals you will need a infrared thermometer for proper seal adjustment. Using the infrared thermometer will help monitor the seal's operating temperature. If the seal operates too hot you may need to adjust the hose clamp on the elastomer or boost the pressure on the pneumatic air purge to reduce drag on the wearing surfaces & temps inside the seal. While the seal is in operation it could potentially be very hot, enough to cause a burn. For safety please check the operating temps on the faceplate with the thermometer before touching the seal. Be very mindful of the spinning shaft too, all be it a smooth spinning surface it's very easy for clothing or loose articles to become entangled in the machine. Please use extreme caution when adjusting the seal and never attempt adjustment with the machine running! After your seal has been installed, run the machine for one half hour (30 minutes) and check your temperatures, if they're beyond the posted tolerances of your seal you may need to make the adjustments posted above for optimal operation. Its good practice to check temps daily and maintain a log, this will help map out the lifespan and rebuild schedule of your DURASHIELD
9. If periodic maintenance is an issue for your company, please ask AGD about our other internal ring designs. We have self adjusting designs that

Infrared thermometers	PulsarLube automatic lubrication systems	required for installation! RTV SEALANT Torque Wrench Denatured alcohol
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AGD offers support on installation and all trouble shooting topics. Our team of engineers are here to help!
 e-mail: support@agdproducts.com or call 1-877-243-7325. We also offer support products to aid in installation.
 Please contact your AGD rep for more details and pricing