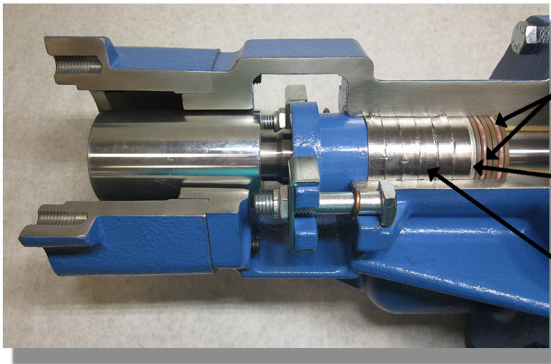
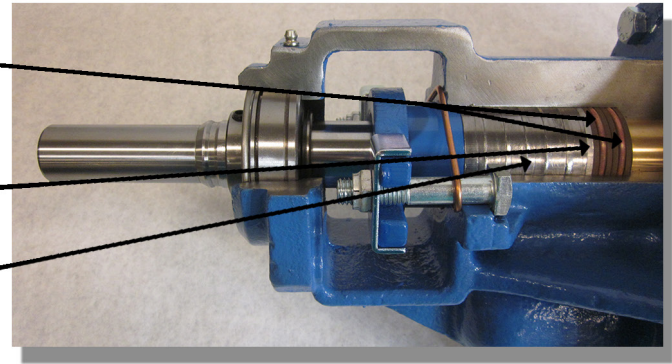


Installation Instructions

48 Series Quad Lip Seal



***HH (Hydraulic Driven)**



***HB (PTO Shaft Driven)**

Lip Seals
(Qty. 2)

Packing Washer

Flexible Graphite
Packing
(Qty. 6)

1. Clean the packing bore. Clean and deburr the driveshaft.
2. Grease the outer ring of the Viton oil ring on the lip seal and grease inner part of the ring.
3. Install the lip seal with the lips of the seal facing down toward the bushing inside the packing bore. The smooth side of the seal will be facing up toward the top open end of the packing bore.
4. Use a piece of PVC pipe to push the lip seal all the way to the bottom of the packing bore.
5. Repeat steps 3 and 4 to install the second lip seal.
6. Install the packing washer.
7. Install a total of 6 graphite packing rings.
8. Install the packing gland, put the clips on the gland, run the bolts thru, put the spring clip around the bolts, and finally screw on the locknuts and lightly tighten down. **DO NOT OVER TIGHTEN. LOOSELY TIGHTEN.**



9. ***HB (PTO Shaft Driven) Installation** - Install the ball bearing onto the drive shaft and tighten down into place. Insert the shaft into the top of the drive plate down thru the packing gland until the ball bearing is into place using a rubber mallet if necessary.
10. ***HH (Hydraulic Driven) Installation** - Insert the shaft into the top of the drive plate down thru the packing gland until you push pass the second groove on the shaft just far enough pass the endplate face (1/8" to 1/4") to install the external retaining ring that holds the hydraulic gear into place, using a rubber mallet if necessary. If the shaft is pushed too far, when you pull the shaft back up into place you will destroy the lip seal.
11. This completes the installation of the lip seal. **DO NOT** install the shaft thru the bottom bushing side of the drive plate or you will ruin the lip seal.