



Seal Removal for Side Entering Mixers (XCEL 200-220)

1. Mixers *with* UET seal shut-off option

The seal is a wearing part and must be maintained. When the packing or seal needs to be maintained, the mixer is first turned off. Follow steps 1-5 as follows.

NOTE: Shut off collar distance has been set to engage correctly at factory. DO NOT alter the position on the shaft before performing the seal removal.

Shut off collar should look like Figure 1. inside of the tank.

1. Loosen the set screws which hold the rotating seal to the shaft.

2. Loosen the set screws which secure the shaft to the gearbox. Figure 2.



Figure 2.

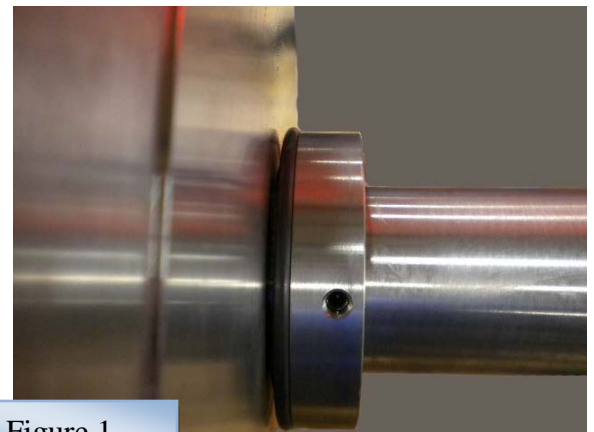


Figure 1.

3. Remove allen head bolt in shaft and Back out thrust plate approximately 3/4". Figure 3 & 4.



Figure 3.



Figure 4.



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4. Insert supplied thrust plate bolt and washer and draw shaft out of gearbox, until shut off-collar surface pushes against flange surface. Figure 5 & 6.



Figure 5.

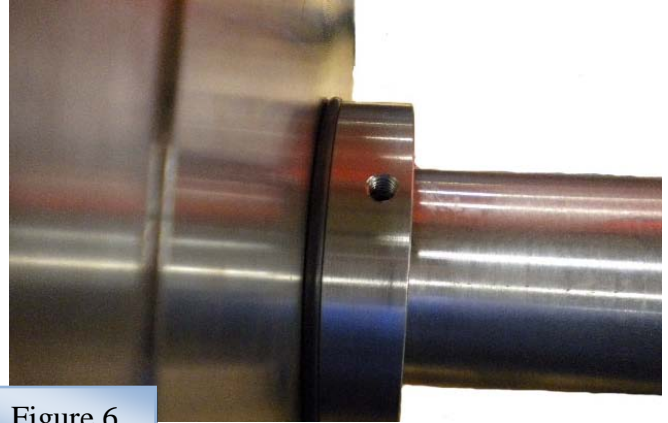


Figure 6.

- 5a. For stuffing box, simple slide the gland and follower back and replace the packing rings.
- 5b. For a mechanical seal, first slide back the seal components up towards gearbox. After this tighten down all four of the shaft lock bolts to secure the shaft position with equal pressure. Remove the gearbox and seal housing (skip this step if working with split seal). Replace any seal components which are worn (see pertinent IOM installation bulletin) and reposition over shaft. Re-install gearbox and fasten adapter bolts and cap plate bolt to the torque values stated in Bulletin 01-050 and replace seal housing. Tighten set screws on gearbox quill. Now complete seal installation.
6. Reassemble by working in opposite order