

## Pro XL Shaft Installation - Hollow Arbor with Set Screws

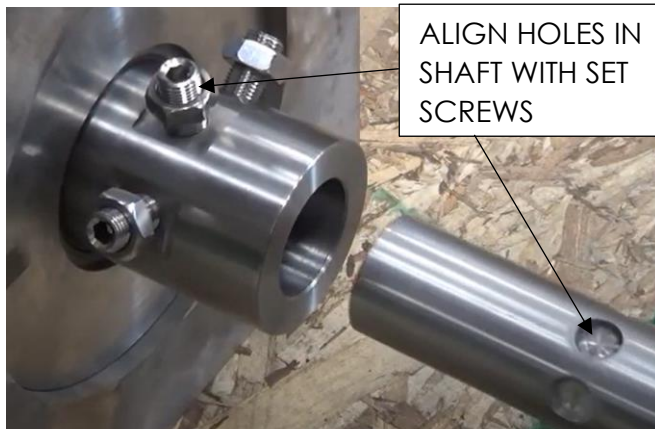
The following section provides instruction on the installation of a shaft with holes into a hollow bore in the bearing housing.



### **CAUTION: PINCH POINTS & SHARP EDGES MAY BE LOCATED IN THIS AREA**

Make sure end of shaft is deburred before inserting shaft in hollow bore. Verify set screws are backed out far enough to not interfere with shaft insertion. To avoid binding in the future and ease of installation, apply process-compatible grease or anti-seize compound on the drive end portion of the mixer shaft.

Guide the shaft in the hollow bore of the bearing housing. Align the shaft holes with the hollow bore's set screw locations. Be sure to slide the shaft into the bore slowly and gently. The tolerances are very tight to keep concentricity and limit vibration. **If the shaft is forced, it will gall and the mixer will be damaged. This damage is not covered under warranty.** Light tapping from a plastic mallet may be required for large diameter shafts to slide the shaft into the hollow bore. The shaft will bottom out in the hollow bore. Make sure nuts are backed off enough to allow the set screws to reach the bottom of the holes in the shaft.



Rotate the shaft within the hollow arbor while snugging the first set screw to locate the hole on the shaft. **SET SCREWS MUST GO INTO HOLES TO AVOID GALLING.** Snug the second set screw securely to the shaft. Remove the first set screw and apply service removeable thread-locking compound (Blue 242 Loctite or similar) to the threads. Reinstall first set screw into shaft hole, tighten and torque as required (**see Installation Section Torque Chart**). Remove the second set screw and apply thread-locking compound to the threads. Reinstall second set screw into shaft hole, tighten and torque as required. Remove the third set screw and apply thread-locking compound to the threads. Reinstall third set screw into shaft hole, tighten and torque as required. Tighten the set screw nuts on all three set screws. **NOTE: SOME THREAD-LOCKING COMPOUNDS ACT AS A LUBRICANT, REQUIRING TORQUE SETTINGS TO BE ADJUSTED. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR THIS ADJUSTMENT.**

For additional Pro XL Hollow Bore Shaft Installation support go to our YouTube Channel - [FusionFluidEquipment](https://www.youtube.com/channel/UC...)