

QUICK START GUIDE (QSG)

SERIES: FLOW TOP &

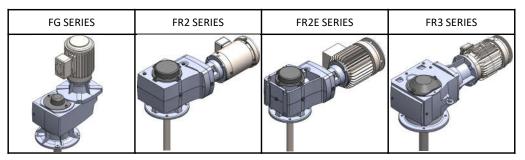
BOTTOM ENTRY

PHONE: 877.812.7573

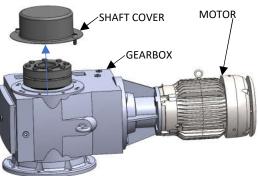
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LINK TO HOW TO VIDEOS

SHAFT INSTALLATION – SHRINK DISCS



1.) REMOVE THE GEARBOX'S SHAFT COVER BY REMOVING THE BOLTS THAT HOLD IT DOWN, KEEP THE SHAFT COVER AND BOLTS.



-CLEAN

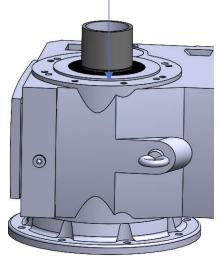
GEARBOX

2.) DEBURR & CLEAN SHAFT AND HOLLOW BORE ID WITH ACETONE OR A SIMILAR SOLVENT. INSERT THE SHAFT INTO THE GEARBOX'S HOLLOW

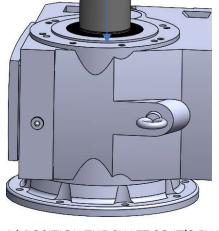
BORE.

DEBURR &

3.) VERIFY ALL THE BOLTS ON THE SHRINK DISC ARE LOOSE AND SLIDE THE SHRINK DISC ONTO THE HOLLOW BORE OD.

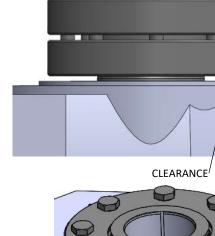


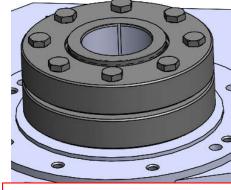
4.) POSITION THE SHAFT SO IT'S FLUSH WITH THE HOLLOW BORE OR AS INDICATED ON THE APPROVAL (OR AS MANUFACTURED) DRAWING.



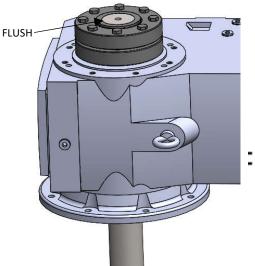
BETWEEN THE GEARBOX AND THE SHRINK DISC. HAND TIGHTEN 3 OR 4 **EQUALLY SPACED BOLTS. THEN HAND** TIGHTEN THE REMAINING BOLTS.

5.) VERIFY THERE IS CLEARANCE





CAUTION: TIGHTENING SHRINK DISC WITHOUT SHAFT IN THE BORE, WILL CAUSE DAMAGE TO THE GEARBOX.



ENSURE THE SHRINK DISC IS

TIGHTENING EVENLY AND PARALLEL

PG. 1 OF 2

POWER SOURCE BEFORE ASSEMBLING, LIFTING, MOVING, OR SERVICING MIXER.

CAUTION:

THE VISCOSITY AND SPECIFIC GRAVITY OF THE FLUID AFFECTS MIXER SIZING AND SPECIFICATIONS



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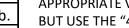
SHAFT INSTALLATION – SHRINK DISCS (CONTINUED)

FG SERIES	FR2 SERIES	FR2E SERIES	FR3 SERIES

6.) TIGHTEN THE BOLTS IN A CIRCULAR PATTERN USING 1/4 (90°) TURNS, EVEN IF SOME BOLTS INITIALLY REQUIRE VERY LOW TIGHTENING TORQUE TO ACHIEVE 1/4 TURNS. TIGHTEN TO THE APPROPRIATE "TIGHTENING TORQUE" VALUE IN THE TABLE. 7.) CONTINUE THE TIGHTENING SEQUENCE DESCRIBED IN STEP 6. WHEN THE TORQUE ON THE BOLT IS AT THE "TIGHTENING TORQUE" VALUE WITH LESS THAN 1/4 TURN ON THE **BOLT, PROCEED TO STEP 8.**

9.) RESET THE TORQUE WRENCH TO THE APPROPRIATE "TIGHTENING TORQUE" VALUE IN THE TABLE. ENSURE ALL OF THE BOLTS ARE PROPERLY TIGHTENED USING THE CIRCULAR PATTERN.

Screw	Wrench	Tightening	4% Over
Size	Size	Torque	Torque
M5	8	62 in-lb.	64 in-lb.
M6	10	106 in-lb.	110 in-lb.
M8	13	22 ft-lb.	23 ft-lb.
M10	17	44 ft-lb.	46 ft-lb.
M12	19	74 ft-lb.	77 ft-lb.
M16	24	184 ft-lb.	191 ft-lb.
M20	30	361 ft-lb.	375 ft-lb.
M24	36	620 ft-lb.	645 ft-lb.
M30	46	1254 ft-lb.	1304 ft-lb.



8.) SET THE TORQUE WRENCH TO THE SAME CIRCULAR PATTERN TECHNIQUE.

ENSURE THE SHRINK DISC IS TIGHTENING EVENLY AND PARALLEL

APPROPRIATE VALUE IN THE TABLE, BUT USE THE "4% OVER TORQUE" VALUE IN THE TABLE. DO ONE OR TWO COMPLETE ROTATIONS USING THE

10.) INSTALL THE SHAFT COVER AND BOLTS BACK ONTO THE GEARBOX.





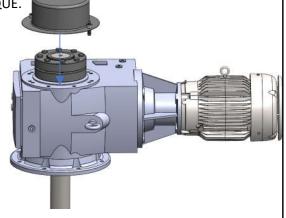
CLOCKWISE CIRCULAR PATTERN RIGHT



COUNTER CLOCKWISE CIRCULAR PATTERN RIGHT



PATTERN WRONG





CAUTION:

PG. 2 OF 2

THE VISCOSITY AND SPECIFIC GRAVITY OF THE FLUID AFFECTS MIXER SIZING AND SPECIFICATIONS