FUSION FLUID EQUIPMENT
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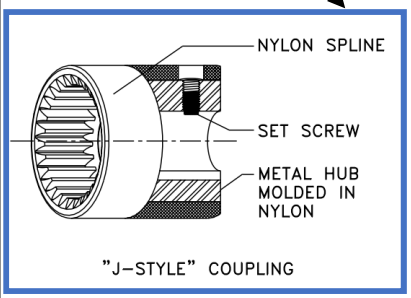
TS-102-A

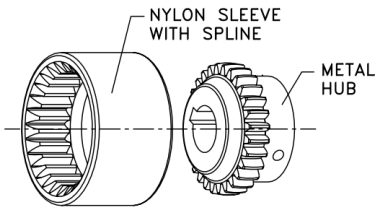
TECHNICAL SUMMARY (TS)
SERIES: ALL
DRIVE INSTRUCTIONS – "J" STYLE NYLON COUPLING INSTALLATION

LINK TO HOW TO VIDEOS

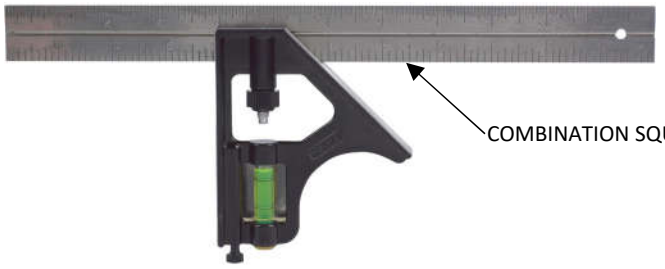
COVERED IN THIS QSG



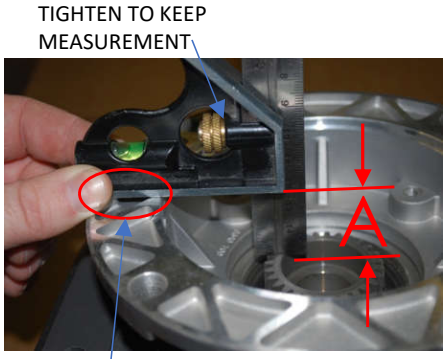
"J–STYLE" COUPLING



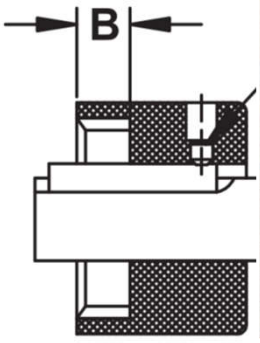
"M–STYLE" COUPLING

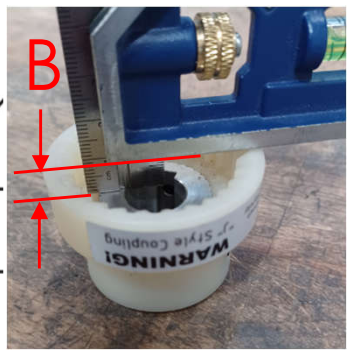


1.) USING A COMBINATION SQUARE, MEASURE THE DISTANCE FROM THE FACE OF THE INPUT ADAPTER MOUNTING FLANGE TO THE FACE OF THE SPLINED SHAFT. RECORD THIS MEASUREMENT AS THE "A" DIMENSION IN THE EQUATION IN STEP 3.

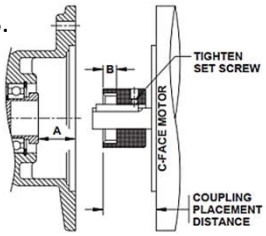


2.) MEASURE THE DEPTH OF THE COUPLING ENGAGEMENT ZONE OF THE FEMALE SPLINED COUPLING. RECORD THIS MEASUREMENT AS THE "B" DIMENSION IN THE EQUATION IN STEP 3.



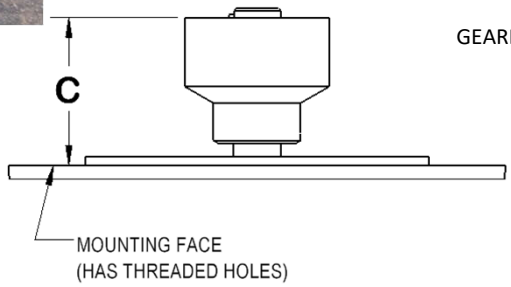


3.) ADD THE "A" AND "B" MEASURED VALUES THEN SUBTRACT 0.08" (~ 5/64" OR 2mm). THIS IS TO AVOID AXIAL PRELOADING OF THE COUPLINGS.

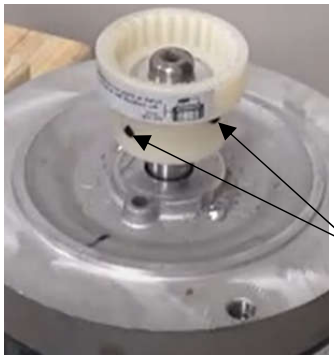


MEASURED DISTANCES	SUBTRACT DISTANCE	COUPLING PLACEMENT DISTANCE - C
A + B	- .08" (2mm)	=
____ + ____	- ~5/64" (minus)	=_____

4.) USE THE CALCULATED "DISTANCE - C" TO LOCATE THE COUPLING ON THE MOTOR SHAFT. "C" IS THE DISTANCE BETWEEN THE MOTOR MOUNTING FACE AND THE FACE OF THE NYLON COUPLING.

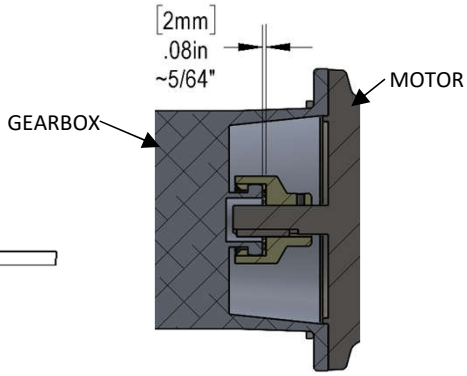


5.) WITH THE COUPLING LOCATED, TIGHTEN THE SET SCREWS, WITH SERVICE REMOVEABLE THREAD LOCKER ON IT, TO 12.4 IN-LB.



6.) MOUNT THE MOTOR ONTO THE GEARBOX INPUT ADAPTER WITH THE APPROPRIATE BOLTS. USE LOCK WASHERS OR SERVICE REMOVABLE THREAD LOCKER TO PROHIBIT BOLTS FROM VIBRATING LOOSE. ENSURE THAT THE COUPLINGS ENGAGE SECURELY.

FINAL RESULT



CAUTION

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

CAUTION:

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