



## ***Adjusting the Transducer to Eliminate Excess Runout/Wobble***

In a typical installation, a housing movement of 0.005" TIR or less (as measured at the outside diameter of the main encoder body) will not have any adverse effect. If excessive housing movement is detected in the installation:

- 1) Check the shaft the H25/DC25/NR25 is mounted on for excessive shaft runout. NEMA MG1 calls for 0.002" TIR or less.
- 2) Verify that the mounting shaft meets minimum and maximum diameter tolerances.
- 3) Maximize the shaft insertion into the transducer. (See [Shaft Engagement](#) on the previous page.)
- 4) Loosen the setscrews and rotate the motor shaft 180° within the transducer's hollow shaft sleeve. Retighten the set screws.

If excessive housing movement still exists after the above steps, it may be necessary to physically bias the attitude of the encoder on the motor shaft while the set screws are being tightened.

