
INSTALLATION AND MAINTENANCE

Installation of MCNB Brakes

Installation Procedure

1. The complete unit consists of two major subassemblies: the brake body, which includes the armature and friction disk, and the hub.
2. The mounting surface of the brake field should be perpendicular to the shaft within 0.004” TIR. The pilot and bolt circle should be concentric to the shaft within 0.008” TIR.
3. Insert the customer-supplied mounting bolts through the brake and mount the brake to the wall of the machine or support bracket.
4. Slide the hub onto the shaft. If the hex hub and friction disk are not aligned, energize the brake to release the friction disk and align it with the hub.
5. Verify that the D-cut in the shaft positions the hub so that there is no contact with the armature. The distance between the brake field mounting surface and the bottom of the hub should match dimension P specified on the MCNB data sheet. Verify that the hub does not contact the armature, and attach a snap ring or a set collar to lock the hub in place.
6. Cycle the brake under normal loading conditions. If any noise from contact is noticed, make sure the hub is not hitting the armature and verify proper mounting.

Contamination

These units are to be used in dry environments only. Contaminants such as oil and grease should not be permitted to contact the friction surface at any time. If the friction material becomes contaminated, the brake will probably need to be replaced. Do not attempt to disassemble the unit. The spring is under high compression and can cause harm if it is released.

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