



Product



Application

Highlights

- Reverse mounted, spring applied friction brakes
- 30 in.lbs. static torque rating
- Compact, low profile design
- Custom voltage coils

Modified FSBR Brakes

Mobile X-Ray Machines

A medical imaging technology leader required an electric brake for its mobile X-Ray machines. The brakes are needed to provide reliable parking/holding functionality to ensure that the machine does not move during the imaging process. Two brakes are mounted directly to the cart's twin rear-wheel traction drives.

Based on previous successful collaborations, the OEM contacted Inertia Dynamics (IDI) for a braking solution. After a review of the minimal space requirements, IDI engineers recommended the use of FSBR reverse mounted, spring applied brakes with a 30 in.lbs. static torque rating.

Low-profile, power-off FSBR brakes are designed specifically for applications with limited space (short axial length) or for motors with short shaft extensions. When mounted, the hub is installed on the motor shaft first, then the brake is installed over the hub and attached to the motor. The 2.4 in. dia. brakes supplied featured hex drive hubs and custom voltage coils.

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