

Customer: **Nissan Forklift**

Application: **Pallet Trucks**

Product Used: **BFK457 Holding Brakes**

Holding Brakes at Work for Nissan

Totally committed to customer satisfaction, Nissan Forklift develops and manufactures a complete line of material handling equipment, including tow tractors, walkie/stackers and electric pallet trucks. Built to deliver exceptional performance under the harshest working conditions, the Nissan pallet trucks are compact yet powerful, rugged and comfortable to operate.

In a material handling application, one of the key differentiators is a reliable and easy to control holding function. An intrinsic component of the Nissan brand, maintaining the price/performance ratio was a driving force in the procurement of new holding brakes. The **Lenze - AC Tech spring applied holding brakes** deliver the competitive advantage that Nissan demanded – low acquisition cost, more holding torque and uncompromising performance.

The Walkie Stacker Trucks handle load capacities up to 4000 lbs at a 24" center. Loaded, the truck has a maximum travel speed of 2-2.6 mph based on a 24V system. Loaded, the maximum lowering speed of the stacker (fork) ranges from 47-55 fpm (feet per minute). These specifications require a brake that can both decel at a fast pace and hold an inertial load.

With a braking torque range of 0.12 to 125 Nm, the **BFK457** series of spring-operated brakes is compact and easy to install. These brakes are normally used as safety holding brakes. They can also be used dynamically to stop loads when properly applied. Since the breaking torque is generated by friction, it's available even when there's no power. The **BFK457** brake is released electromagnetically. In the event of a mains failure, the brake is released automatically.

Electromagnetically released brakes can be used wherever rapid deceleration or controlled holding of inertial masses are required. The **BFK457 Holding Brakes** do not require a fixed bearing on the brake and have integrated fixing screws for direct mounting. The **BFK457 brakes** are fully assembled with rotor and flange and are available as a single- or double-spring model.



NISSAN

BFK457 Holding Brake Benefits

- High Holding Torque
- Dynamic Braking
- Electromagnetic Release
- Long Life Cycle
- Small Footprint
- Superior Performance
- Competitive Pricing
- Global Support



Holding Brake