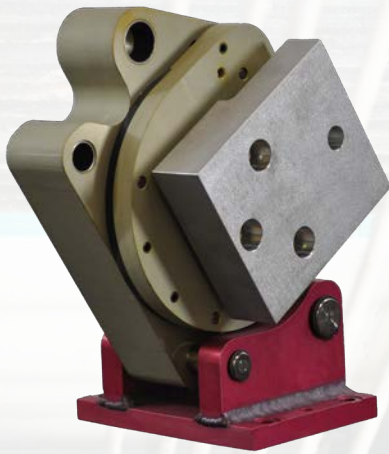


# Hilliard Electric Brakes for Elevator Modernization



 **Hilliard**

**SAFETY. RELIABILITY. PERFORMANCE.**

# Secondary Braking System



**Hilliard** offers its customers two styles of spring applied electric released brakes that can be easily fitted to a variety of elevator drives. These brakes are designed to apply when ACO, UCM conditions occurs. Hilliard offers a friction disc plate-style brake that attaches to the drive shaft of the pulley and a caliper-style that acts on a disc attached to the pulley. These brakes are an alternative to a rope gripper when performing a modification job which requires lifting or moving a drive or extra construction to the elevator. Hilliard offers certain models of these two styles of brakes that meet CSA approval.

BRAKE TYPE:

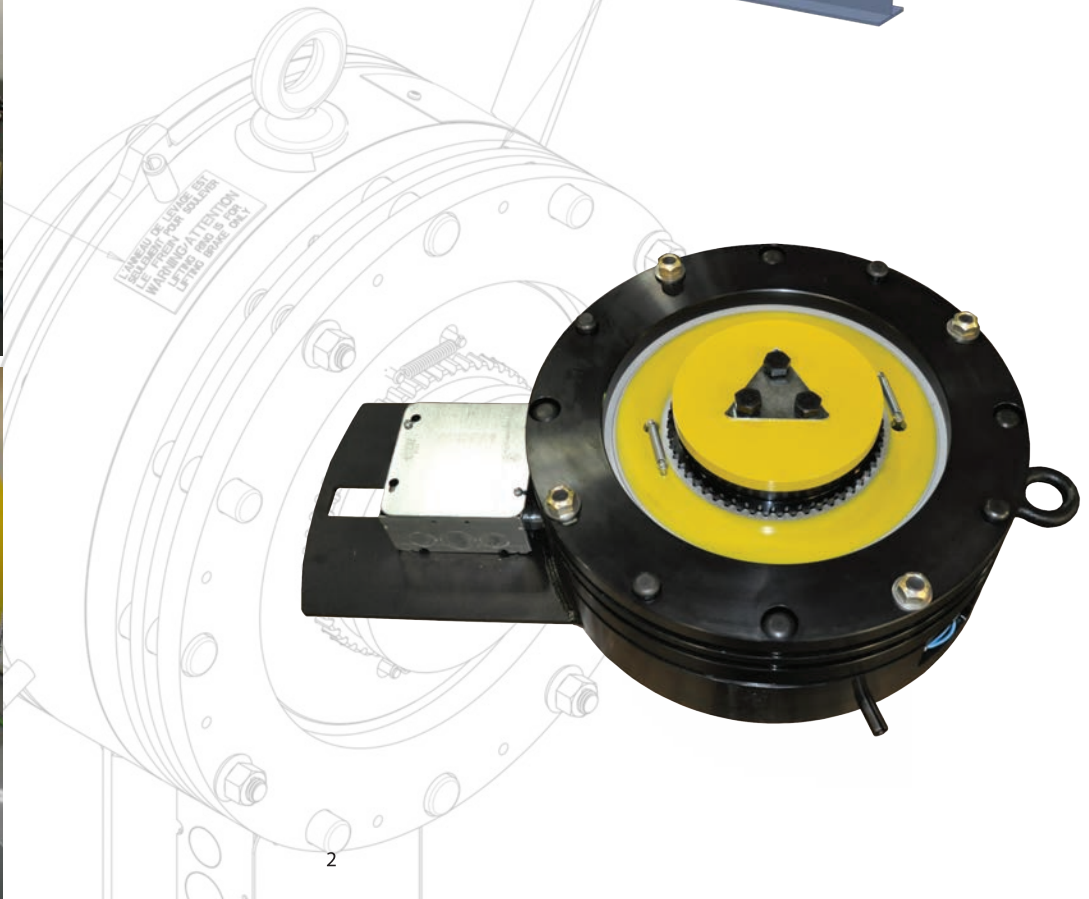
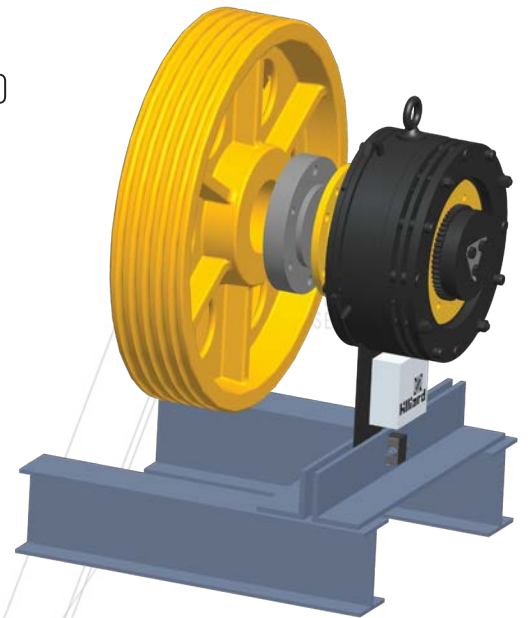
## ELECTRIC BRAKE

SPRING-APPLIED/ELECTRIC RELEASED

Hilliard **Electric Brakes** provide positive fail safe stopping and reliable holding of rotating devices on demand — every time.

Spring engaged when current is interrupted and released when voltage is applied, these brakes are designed for maximum flexibility and long, dependable service.

Hilliard Brakes are designed to stay released for a long period of time without a build up of heat, due to voltage being dropped.





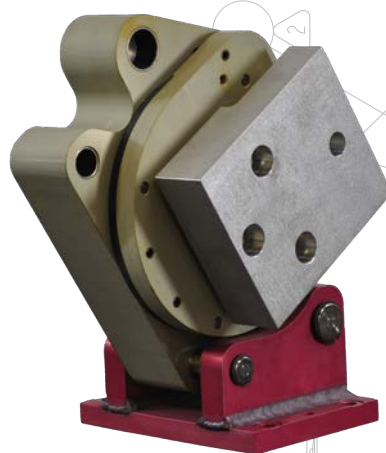
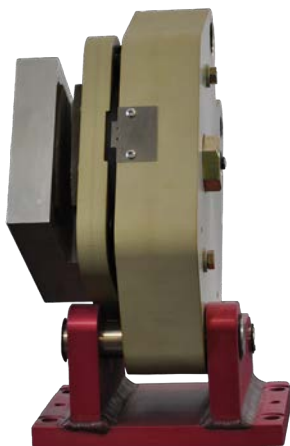
BRAKE TYPE:

## MK BRAKE

SPRING-APPLIED/ELECTRIC RELEASED

The Hilliard **MK Brake** is designed for use on elevators and escalators requiring a spring-applied electromagnetically released brake. The patented MK brake can be applied to a guide rail or a brake disc. It is unique in that it is direct acting with only one moving part. The brake incorporates an electromagnetic coil that uses a voltage dropping circuit to minimize current draw and heat when the brake is released.

Each brake has an easy-to-adjust feature that compensates for friction surface wear, and extends the life of the brake by replacing the pads. It can also be equipped with a manual release mechanism for a momentary release of the brake using a standard open-end or socket wrench.



## BENEFITS:

- Designed for holding duty and emergency stopping
- Equipped with a microswitch for monitoring brake status
- Can be configured for various rail or disc thickness
- Can be adjusted for wear by adding shims behind the brake pads
- Mounted on pins allowing for axial movement
- Easy pad replacement
- Brake is shipped with manual release bolts for easy assembly to the rail or disc







## Portable Coordinate Measuring Machine Capabilities

### Precision and Accuracy

The portable CMM ensures precise measurements with high accuracy. This is crucial for industries where precision is paramount, such as elevator modernization.

### Versatility

The portable CMM is extremely versatile throughout the entire modernization process. Whether it's reverse engineering or alignment, the CMM can be used to satisfy a variety of customer requests.

### Portability

Unlike traditional CMM machines, the portable CMM offers unmatched portability, allowing precise measurements directly on the shop floor or in the field, eliminating the need for part transportation and minimizing downtime.

### Hands-on

Hilliard can access real-time measurement data instantly with the portable CMM in the field, ensuring immediate visibility and actionable insights directly from the field, enhancing efficiency and decision-making on site.

### Efficiency

Utilizing portable CMM data, engineers can expedite part delivery by swiftly translating precise measurements into actionable production parts, ensuring rapid turnaround times without sacrificing accuracy.

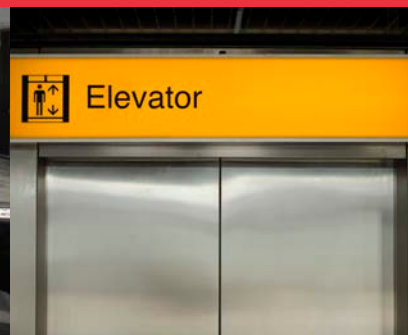


## HISTORY of EXCELLENCE

Founded in 1905, The Hilliard Corporation has evolved from a one-product business into a special applications engineering company serving customers worldwide.

Independently-owned for four generations in Elmira, NY, the company has grown and prospered for over a century.

**Field Service • Technical Support • Training • Lunch & Learns Available**



# Hilliard

### The Hilliard Corporation

100 West Fourth Street, Elmira, New York 14901-1504 USA

PHONE: 607-733-7121 | FAX: 607-737-1108 | [HilliardCorp.com](http://HilliardCorp.com) | [sales@hilliardcorp.com](mailto:sales@hilliardcorp.com)



Hilliard Products are  
Made in the USA.

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7/25-SBC