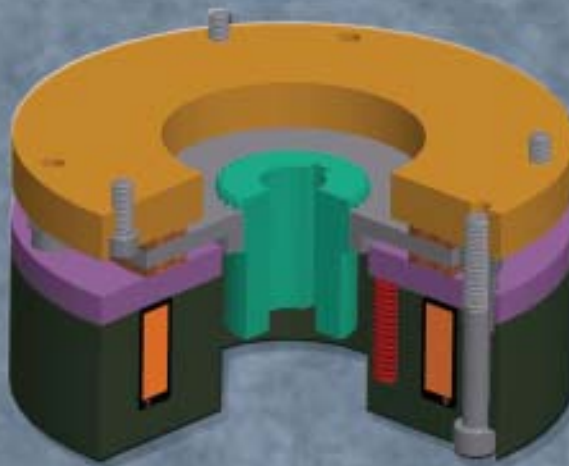
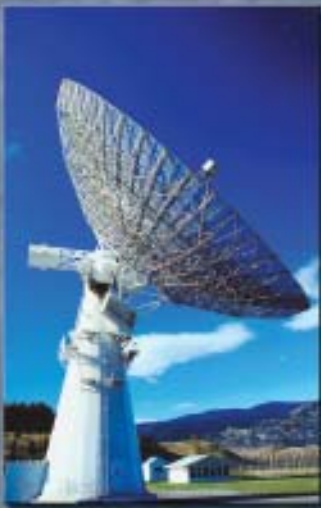


Hilliard Electric Brakes



**Stop or Hold Rotating
Devices on Demand**



Spring-engaged, electromagnetically released brakes

Hilliard Electric Brakes provide positive stopping and reliable holding of rotating devices on demand: every time.

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

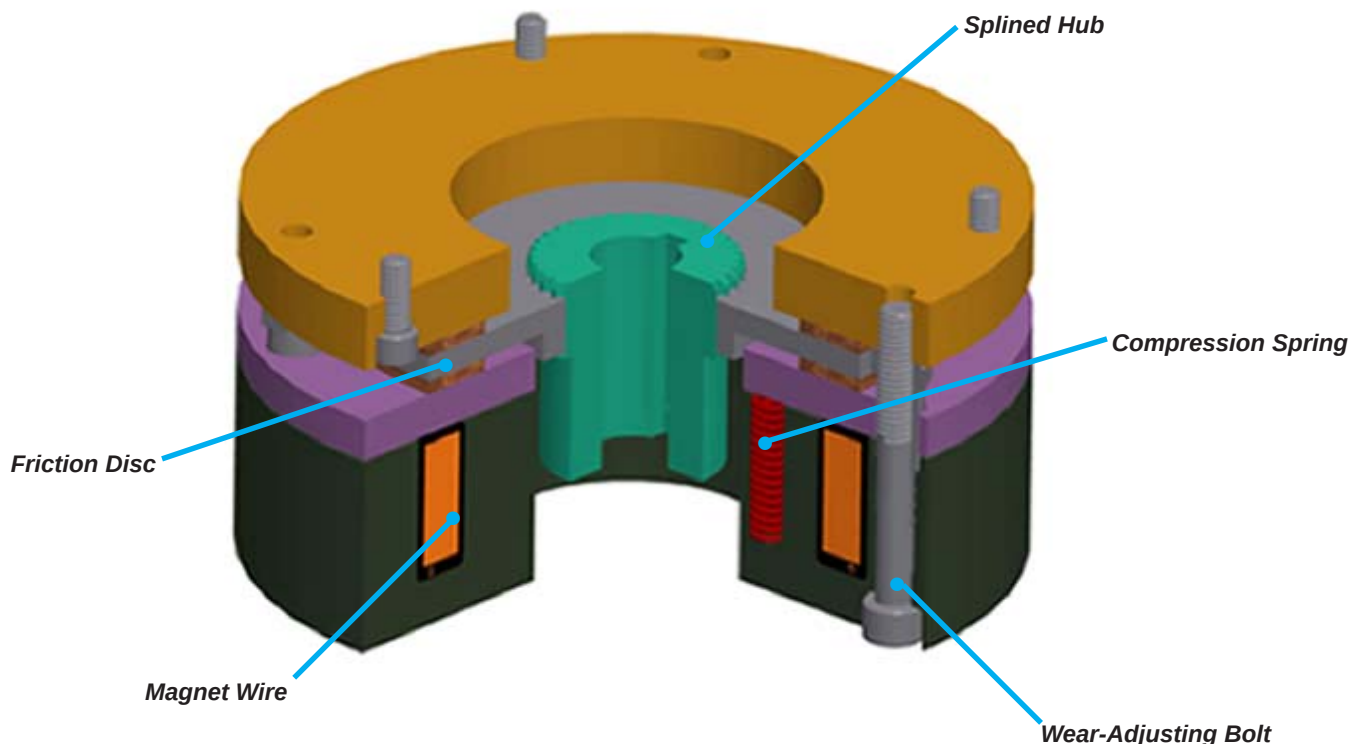
Each brake features a heavy-duty friction disc for long service life, a fully epoxy-potted coil, and durable springs. An easy-to-adjust wear bolt compensates for friction surface wear and extends brake life.

The ideal complement to Hilliard's full line of motion control products, they are available in a variety of sizes, voltages, and torque ratings.

For more than 100 years, we've been working with our customers to arrive at solutions to motion control problems.

Features

- **Conservatively rated helical springs** mounted close to the armature-plate perimeter for reliable, repeatable action
- **Flexibility in spring design** allows the number and force of springs to be varied for greater control of torque and/or engagement time
- **Friction disc** -- Two heavy-duty working surfaces provide ruggedness and long life
- **Fully epoxy-potted coil** -- Built to be powerful through a long-duty life, it can disengage the brake across a large air gap for extended periods between adjustments
- **Flexibility in coil design** -- Available in 6 VDC to 240 VDC
- **Torque ratings from 7.5 to 4500 lb.-ft.** -- Negligible drag torque for minimum parasitic load under free-running condition
- **Easily customized** to meet the user's needs



Custom applications are easily fulfilled

The following features of our electric brakes can be modified:

- Hub design
- Coil voltage/wattage
- Overenergization circuits or dual coils
- Brake response (engagement and disengagement) time
- Mounting configuration (shaft mount, wall mount, or flange mount)
- Friction material
- Adjustments such as torque, air gap
- Manual release
- Physical dimensions



Quality Commitment

Hilliard Electric Brakes are fully machined to close tolerances using high-quality steel. Each brake is custom assembled and undergoes a rigorous test procedure before being delivered to our customers.



Representative Chart of Basic Specifications*

OUTSIDE DIAMETER Inches	STATIC TORQUE Lb.-Ft.	NUMBER OF DISCS	OVERALL WIDTH Inches	MAXIMUM SHAFT Inches	POWER CONSUMPTION Watts
2	0.5	1	1.25	0.25	8
3	1.3	1	1.44	0.25	15
3.5	7	1	2.10	0.81	25
5	25	1	2.40	0.88	35
6.5	50	1	2.40	1.00	60
6.5	100	2	4.10	1.38	60
7	70	1	2.20	1.25	55
7.5	90	1	2.50	1.00	65
9	160	1	3.60	1.75	145
9	320	2	4.00	1.75	145
13	380	1	3.70	3.50	155
13	760	2	4.80	3.50	155
15	1800	1	5.60	4.00	250
15	3600	2	6.50	4.00	250
20	4500	2	6.50	5.25	300

* Custom Sizes are Available.

*The Hilliard Corporation reserves the right to change specifications and dimensions at any time.
Please contact the factory for the most current information.*

The Hilliard Corporation

100 West Fourth Street
Elmira, New York 14902
Phone: 607-733-7121
Fax: 607-732-8979
email: hilliard@hilliardcorp.com
<http://www.hilliardcorp.com>

Your Local Representative:

