

# Electrically Released Brakes

## For Dynamic Stopping and Cycling Applications

Warner Electric's modular design brakes and clutch/brake units offer material handling system users a high performance alternative to spring-set brakes. These modular units provide long life, maintenance free operation, and consistent performance with minimal downtime.

These brakes are offered in power-off types for double shaft motors and for installation between C-face motor and reducer or other drive device. Powerful permanent magnets generate braking torque. The brakes release when voltage is applied to the coil, countering the force of the permanent magnets. No power is required to stop or hold a load. An optional integral conduit box provides simple wiring direct from the motor power leads.

- Designed for dynamic stopping operations
- Brake automatically engages when power is turned off
- High cycle rate capability
- Never needs adjustment – automatically compensates for wear
- Powerful permanent magnets provide braking force
- Choice of open or enclosed brakes
- Prepackaged, preburnished UM version



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## UM Series (UniModule Clutch/Brakes)

Pre-assembled clutch/electrically released brake modules



- The UM-1020-FBC brake/motor clutch combination is used for clutch/power-off brake applications. It mounts directly to C-face compatible components.
- The UM-2030-FBC brake/input clutch combination is used for clutch/power-off brake applications. It has shafts on both the input and output sides for base mounting.

## EUM Series (Enclosed Motor Brakes)

Totally enclosed non-vented units that keep wear particles in and contaminants out



- The EUM-FBB brake unit can be mounted between two C-face compatible components.
- The EUM-MBFB motor brake is mounted directly to the rear of a double-shafted motor.

## EM Series (Electro Module Brakes and Clutch/Brakes)

Comprised of individual units that may bolt together to form various combinations



- The EM-FBB brake module mounts between a C-face motor and a gear box or reducer.
- The EM-MBFB motor brake module is mounted to the rear of a double-shafted motor.
- The EM-FBC brake module is used in combination with a motor clutch or input clutch unit to make a clutch/electrically released brake or can be used alone as a brake only.

## EEM Series (Enclosed Electro Module Brakes and Clutch/Brakes)

Enclosed electro modules package the hardworking components from EM products into totally enclosed housings

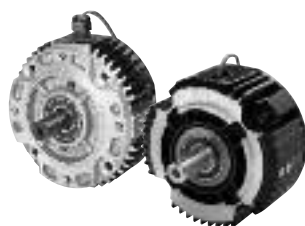


## Brake Modules (FBB)

For mounting between a C-face motor and a gearbox or reducer

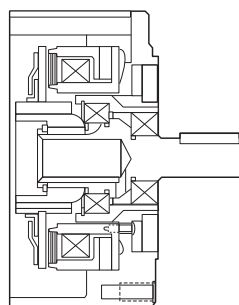


EM Series (shaft mounted, vented housing)



EUM Series (shaft mounted, totally enclosed non-vented housing)

Use for brake alone applications.



### Features

- Single armature for brake alone applications
- Output shaft
- Permanent magnets
- UL listed

### EM-FBB

Available in 5 sizes

### EUM-FBB

Available in 5 sizes

EM-FBB Electro Module brake unit between a motor and a reducer.