



MILL-DUTY WB BRAKE

Class 5010 Type F WB Magnetic Brake

Type F Brake for AC and DC cranes

The Class 5010 Mill-Duty Type F WB Brake is designed for the severe duty encountered in primary metals mills, shipyards, movable bridges, conveyors, and smelting operations. The F brake can be used in both AC and DC motor applications and used on both series and shunt DC motors.

Easy to Maintain and Adjust

Ranging in size from 8" to 30", the WB Brake separates itself from the competition by its conveniently-located overlever assembly, and with fast and easy coil and brake shoe replacement.

Manufactured to Rugged AIST Specifications in the USA

The Class 5010 brake is 100% fabricated and assembled at EC&M's manufacturing facility in St. Matthews, SC. Each brake is visually, mechanically and electrically tested before shipment. If the customer wishes, the torque can be pre-set at the factory. Built to AIST specifications, no brake matches the ruggedness and reliability of the EC&M brake.

STANDARD FEATURES

- Spring set and electrically released
- DC motor applications
- AC motor applications with rectifier
- AIST rated and suitable for all crane classes
- Corrosion resistant pins
- Grease fittings standard on 19", 23" and 30" brake sizes

BENEFITS

- Sight gauges for all adjustments, including shoe wear
- All adjustments thru 23" size at the top of the brake
- Simple brake shoe replacement
- Encapsulated brake coil for simple coil replacement
- Frame bushing on most sizes for easy repair and long life
- Manual release nut allows release and shoe replacement without disturbing brake adjustments
- Self-centering of shoes on the wheel
- Self-centering of brake mechanism around the wheel
- Single nut adjustment of armature gap & shoe clearance

RATINGS AND SIZES

- Torque ratings - 100 to 9,000 lb.ft. (135 to 12,200 Nm)
- Sizes - 8" to 30" (20cm to 76cm)
- Series & Shunt motor applications

AVAILABLE OPTIONS

- Self-adjuster for improved lining wear and reduced maintenance
- Brake wheel - ductile iron, fully or semi-finished
- Conduit connection box
- Half-torque spring
- NEMA 3R enclosure
- Dust shield

APPLICATIONS

- Mill-duty cranes -
bridge, trolley and hoist
- Conveyors
- Movable bridges



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