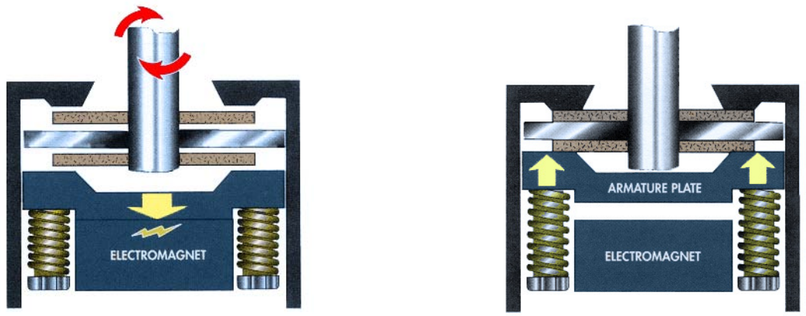
The *DINGS* Difference – Advantages of Our Design

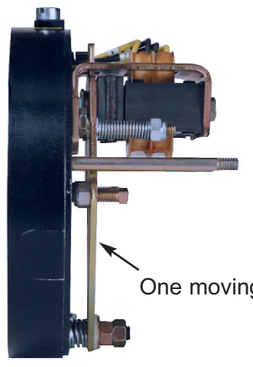
Direct-Acting Design



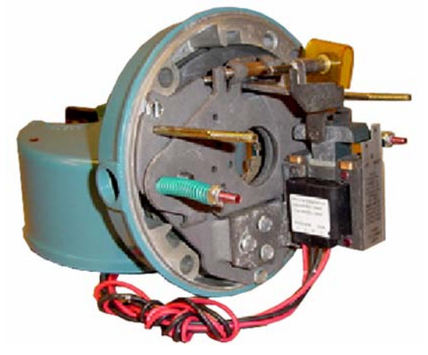
Operation

Our brakes operate on a very simple principle:
While the motor is running with power engaged, an electromagnet within the brake pulls back the pressure plate, allowing the friction discs and motor shaft to rotate freely.
When power is cut to the motor, the electromagnet releases, instantly stopping the rotating discs and preventing the motor shaft from turning.
This **direct acting** design has only one moving part with no complicated linkages to break or fail.

Fewer Parts mean Longer Life

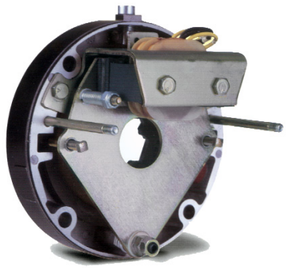


Dings
Direct-Acting Brake



Solenoid-Actuated Brakes contain many more wear parts

With power supplied to brake, solenoid is energized, pulling in plunger and allowing free shaft rotation.
When power is cut off, solenoid is de-energized and plunger is released.
Plunger is screwed to linking mechanism which is fastened with a retaining clip to an offset pivoting lever. Offset lever has a cam which pivots about the support plate. This releases the pressure plate which presses against the rotating discs, stopping shaft rotation.



60 Series brakes tested to over 3 million cycles!!

In our accelerated life cycle tests, 87% of our 60 Series brakes passed the three million cycles mark. Four different torque ratings were tested on motors and energized and de-energized 60 times per minute.

RoHS Compliant

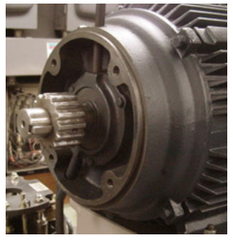
All 40, 50 and 60 Series standard brakes now comply with the requirements of the Restriction of Hazardous Substances Directive. All other series can be ordered as RoHS compliant.

Factory-Set Air Gap

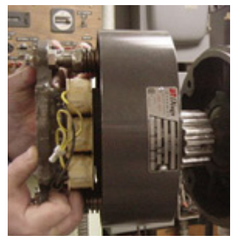
Brake air gap is pre-set , reducing installation time.

No Disassembly Required for Mounting

All brakes through 80 Series (284TC/286TC frame motors) do not need to be disassembled to mount to the motor. Only 3 steps are required for mounting:



1. Position hub on motor shaft



2. Place brake on hub - no disassembly required

3. Connect wiring and replace cover

Torque Adjustable

Brakes for motors 56C through 405TC are torque adjustable.

Dings Co. DIRECT-ACTING