



Typical Application:

- Textile Machines
- Cranes & Hoists
- Wire drawing machinery
- Navy Deck Machinery
- Special purpose machines
- Material handling equipments
- Glass Manufacturing Machines
- Sluice Gates
- Leather processing machinery
- Defence equipments etc.
- Geared Motors
- Cable reeling drum
- Steel rolling mills
- Conveyors, Machine Tools

WORKING

When there is no power given to either motor or brake, the brake torque is provided by compression springs developing an axial force on the brake armature plate which ultimately presses it against mounting flange. In this condition a nominal "air gap" will be available and the rotor with the frictional surfaces remains sandwiched in between armature plate and mounting plate. Release of the brake takes place, when the power to the brake and motor is supplied at the same time. Power to the brake coil produces strong magnetic field and pulls the armature plate against the compression spring force towards the stator (Brake Coil) over the air gap and rotor becomes free to rotate. The attraction of the armature plate and returning to its original position takes place instantaneously thus failsafe nature is ensured in case of power failure.

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