



Product

LCB-200 Backstop

Application

Poultry Farm Ventilation Fans

Highlights

- Economical backstop design
- Stops fan windmilling, extends fan drive system life
- 150 lb.ft. (200 Nm) torque rating
- 0-3600 RPM speed range
- Self-actuated, no power or utility required
- Lubricated for life

A leading fan and blower OEM was looking for an economical backstop for cooling fans used in poultry farm ventilation systems. Problems occur when the fans are turned off and air flow from the environment or other fans in the system, can back drive the fans causing them to rotate (windmill) in the opposite direction. Starting a fan in this state can damage the motor and reduce the life of the drive system belts.

Formsprag engineers, with over 60 years of backstopping experience, developed new LCB Series backstops to economically meet the “windmilling” challenge in this and other fan applications.

LCB-200 Models, with a torque rating of 150 lb.ft. (200 Nm) and a speed range of 0-3600 RPM, were supplied for this application. Units are lubricated for life and self-actuated with no power or utility required to operate.

The LCB-200 features a compact, easy-to-install design requiring only 1.125" of shaft engagement. Units have a wide operating temperature range of -76 to 1650° F, which was important for this particular application.

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