



Product

GMR-SD Caliper Brakes

Application

Bowen Basin Dragline

Highlights

- Spring-applied, air-released caliper brakes
- Easy-to-replace brake pads
- Torque adjusted to meet operating conditions
- Modularity allows for quick change out

A major Australian coal mine operator needed to replace the brakes on the dragline at their mine in the Bowen Basin. In constant operation since 2011, the dragline's original braking systems had reached their useful service life.

With a working weight of 6,950 tons and a bucket capacity of 152 yd³, the massive dragline can move 240 tons of overburden in a single pass.

Twiflex was selected to provide spring-applied, air-released replacement caliper brakes for all the dragline's motors:

- 8 hoist & 8 drag 1450 HP motors:
Each with multiple GMR-SD 15.6 caliper brakes operating on 46" dia. discs that provide a combined braking force of 72 kN
- 8 swing 1045 HP motors:
Each with multiple GMR-SD 8.4 caliper brakes operating on 46" dia. discs that provide a combined braking force of 39 kN
- 4 propel 1045 HP motors:
Each with multiple GMR-SD 15.6 caliper brakes operating on 46" dia. discs that provide a combined braking force of 72 kN

The GMR-SD caliper brake's modular design allows for quick change outs and the ability to use multiple units of varying sizes to meet specific installation requirements. Torque is adjusted in the field to meet operating conditions. The low-maintenance brakes feature easy-to-replace brake pads and low cost spares.

Europe
+44 (0) 20 8894 1161
twiflex.com

US
1-844-723-3483

Asia Pacific
For a list of our AP sales offices:
altramotion.com/contactus