



Product

VCS Caliper

Application

Coal Mine Conveyor

Highlights

- Two hydraulic VCS type calipers acting on a metre dia. disc
- Able to bring a conveyor system to a safe and totally controlled stop
- Capable of acting as a holding brake when conveyor is stationary

The Australian coal industry is recognized as the most efficient in the world. To achieve and maintain this position they invest in modern, high quality technology to control their coal handling plants.

Conveyor braking control is a prime example where the industry relies on experts to engineer the most advanced systems and ensure safe and controlled braking of expensive belting.

Premier Collie is situated some 200 kilometers south of Perth in Western Australia where two conveyors transport 600 TPH from an open cast mine to a nearby power station.

The first stage of the handling system consists of a 5 kilometer long belt transporting coal from the mine to a transfer station. A shorter 2.5 kilometer belt then feeds to the stockpiles of Western Powers' Collie Power Station.

Two Twiflex spring applied hydraulically released VCS type calipers acting on a meter diameter disc are installed on the tail drive of each conveyor. They are used to bring the system to a safe and controlled stop and to act as a holding brake when the conveyors are stationary. The supply included power pack and monitoring units and the installation was commissioned by the Twiflex approved agent.