

CENTRIC® CENTRIFUGAL CLUTCH

CONTINUOUS MINER



PROBLEM

A major mining equipment manufacturer required a centrifugal clutch solution for a new continuous miner. The machine utilizes twin rotating heads lined with projecting bits. The clutches are positioned between the electric motor and gearbox on each of the two separate head drivetrains. The clutches allow for some slippage to protect the drivetrains against the damaging shock loads that can occur when hard material is encountered.

SOLUTION

Working closely with the OEM, Boston Gear supplied a 16 in. diameter Centric Centrifugal Clutch (CCC) to meet the challenging machine application requirements. Spring loaded CCC units are designed to automatically engage and disengage at customer specified RPMs.

HIGHLIGHTS

- Protection against shock loads
- Automatic engagement and disengagement

Regal Rexnord

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The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

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