

700 SERIES SPEED REDUCERS

UNDERGROUND MINE CONVEYORS



PROBLEM

A mine equipment manufacturer required a robust speed reducer for use on its portable mine conveyors. The conveyors transfer material from mining machines to haul vehicles in underground mines. The speed reducer is positioned between the electric motor and the conveyor drive pulley.

SOLUTION

Boston Gear provided Series 700 worm reducers with a cast iron housing to withstand the frequent impacts from falling stone and material in the tough mine application. The compact, non-flanged Model 752 units supplied features a 15:1 ratio, a rated output torque exceeding 7,800 lb.in., and a 94% operating efficiency rating.

The modular worm gear construction of Boston Gear 700 Series speed reducers is the standard in the industry. Units feature high-strength bronze worm gears mounted between heavy-duty tapered roller bearings. Large oil reservoirs provide efficient heat dissipation and extended operating life.

HIGHLIGHTS

- 15:1 ratio
- Cast iron housing
- High-strength bronze worm gear
- Large oil reservoir
- 94% operating efficiency

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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