

ALTRA FOR MINING APPLICATIONS

From heavy-duty brakes for draglines and electric rope shovels to caliper brakes and disc couplings on winders and ventilation fans, a wide array of Altra Industrial Motion products keeps mining operations running smoothly.



Clutches & Brakes

As the largest provider of clutches and brakes for draglines and shovels, Altra offers expertise in acceleration and deceleration of heavy-duty drive systems. Altra is an industry leader in braking and engaging products for many mining applications including grinding mills, conveyors, mine hoists, coal pulverizers, stackers/reclaimers, longwall miners, shuttle cars, haulers, and railed vehicles.

Wichita Clutch

Twiflex

Svendborg Brakes

Matrix

Industrial Clutch



Belted Drives & Couplings

An extensive offering of V-belt and synchronous drives (up to 108" / 2.75m in diameter) has been heavily utilized in underground and processing applications for years. Pioneering many technological innovations to keep in step with changing mining requirements, Altra's engineered couplings (grid, gear, flywheel, and universal joints) have become the preferred solution in a variety of demanding mining operations such as draglines, shovels, stackers/reclaimers, crushers, grinding mills, processing equipment, shuttle cars, and conveyors.

TB Wood's

Ameridrives

Bibby Turboflex

Guardian Couplings

Transfluid



Overrunning Clutches

Offering the broadest range of both sprag and ramp-and-roller overrunning clutches and backstops, Altra brands are the world's leading authorities for applications requiring overrunning clutches and backstops, such as conveyors, pumps, fans, and redundant drive systems. Available for both high-speed and low-speed operations. Bore sizes, up to 23.5" (600mm) and torque ranges up to 1.2M lb.ft. (1.6Nm).

Formsprag Clutch

Marland Clutch

Stieber



Enclosed Gearing & Geared Motors

As a leading innovator of worm and helical gearing and gear motor technology, Altra develops innovative features to meet unique market requirements. Providing unmatched reliability and versatility, Altra products have been used by the industry for years and are found in draglines, shovels, continuous miners, stackers/reclaimers, crushers and sizers, sedimentation tanks and flotation cells, underground vehicles, fans and mine cooling systems, and conveyors. Worm gears up to 48" center distance and helical gearing up to 6M in.lbs. continuous. Energy efficient geared motors are available in a wide range of styles and sizes.

Bauer Gear Motor



Overload Clutches & Torque Limiters

Altra provides positive engagement overload clutches, centrifugal soft-start clutches, and modular torque limiters with up to 95% torque setting accuracy. These products are often utilized in longwall and continuous miners, ventilation fans and compressors, crushers, grinding mills, coal pulverizers, sedimentation tanks, and conveyors.

Bibby Turboflex

Boston Gear