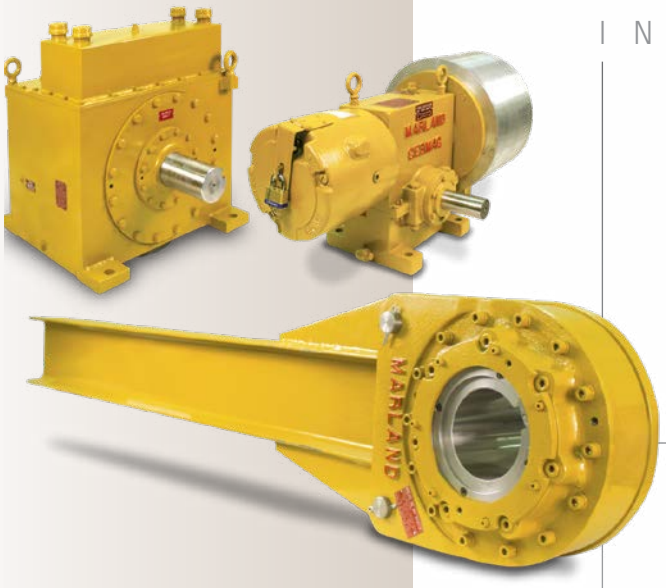

I N T R O D U C I N G

Marland Clutch

The Market Leader in Mining, Energy, Petrochemical, Aggregates, Mineral and Steel Industries

Proven Products, Innovative Engineering, Extensive Training Programs and Superior Customer Service and Application Support...Worldwide.

For the past 70 years, Marland Clutch has led the power transmission industry in the development, production, and deliveries of specialty clutches and brakes used in critical applications throughout mining, energy, petrochemical, cement, minerals, and steel.

Marland specialty products use ramp and roller technology whether transmitting torque or preventing reverse/rotation movement of equipment due to an unscheduled stoppage under load. Marland specialty clutches are oil-lubricated to meet the highest application speeds and widest temperature ranges found. All Marland clutches and backstops are designed with sealing arrangements that handle the harshest environments. Marland engineers have optimized ramp and roller technology to make the most robust products available, and Marland continues to provide the quickest delivery in the industry.

Marland Clutch®
Altra Industrial Motion

Backstops BC-MA prevent reverse rotation on conveyor systems.

Marland has the broadest range of backstops in the marketplace with the newest designs having torque capacities surpassing the 2850 kNm mark (2,100,000 lb. ft.) and bore ranges to 600mm (23.6 in.). To meet the requirements of virtually any backstopping application Marland offers over 17 different models and a full range of shaft retention options.

Request catalog # P-1469-MC for more information.

CECON Clutches provide an overrunning function in a protected housing for applications which require complete disconnect capability, higher speed requirements, uninterrupted and continuous operation.

Marland offers several different style units having either ball bearing or sleeve bearing support, two independent external shafts, and an optional disconnect feature. The CECON clutch is used extensively for its robust design and low heat generation. Each style has multiple model sizes that offer a wide torque range designed to meet the most demanding applications, which require the most reliable product available.

Request catalog # P-1471-MC for more information.

One-Way CEBMAG Backstops protect kiln drives in emergency.

The CEBMAG backstop is primarily designed for installations in kiln emergency drive systems in conjunction with the Marland CECON clutch. The CEBMAG backstop allows an auxiliary drive to run the kiln at slow speed in the forward direction, while providing automatic protection to prevent the kiln from reversing and additionally provides “on demand” controlled reversing. Marland CEBMAG clutches provide protection against kiln reverse rotation, which is critical to prevent the system from overspeeding which can result in centrifugal explosion. There is a great risk of personal injury or equipment damage when there is not protection against kiln reversals. The CEBMAG product is unique because it offers a dual braking system in addition to the overrunning clutch on the main shaft. On the secondary shaft, connected through gearing, one brake holds the kiln during emergency stopping, and the second one provides for the controlled release of potential energy in the kiln. The placement of the brakes and use of the overrunning clutch prevents the brakes from constant engagement during kiln operation. The CEBMAG design is so robust that most units are in operation for more than 20 years.

Request catalog # P-1470-MC for more information or contact the Application Engineering Department at 1-630-455-1752 for more details.

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