

HILLIARD BRAKE SYSTEMS FOR MINING



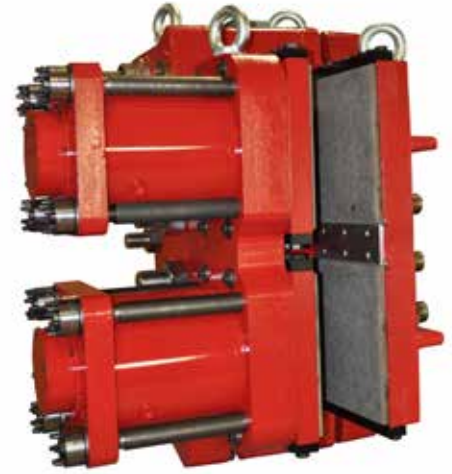
Hilliard

SAFETY. RELIABILITY. PERFORMANCE.

BRAKE TYPE:
M900SH

"Floating" spring applied - hydraulically released brakes designed for both static and dynamic operation for use on grinding mill installations. In static operation, the braking system is used to hold the mill during liner replacement and mill maintenance. In dynamic operation, the system has been designed to operate in two modes:

- A controlled application of the brakes to stop the mill rotating at full speed, such as an emergency stop.
- A quick application of the brakes to accurately stop the mill during inching and creeping operations (required during incidents of mill bearing lubrication system or power failure).



BRAKE TYPE:
A300-T200 SA

Explosion proof brakes meet the stringent requirements for coal dust conditions. The compact package easily controls the out of balance load, braking on the pinion shaft of the dumper.



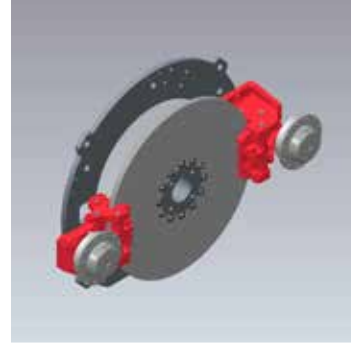
BRAKE TYPE:

A400-T400 SA



Spring applied – air released caliper brakes are cost-effective retrofits for drum brakes on draglines and shovels by reducing future maintenance costs.

- Multiple calipers fitted to a common disc for different torque requirements
- Easy access for friction lining replacement
- Low maintenance costs
- Common spares for all brakes



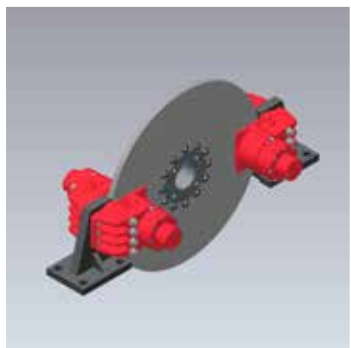
BRAKE TYPE:

M400 SH

Modular spring applied - hydraulically released calipers operated by a hydraulic power unit provide a complete closed loop PID controlled system with Hilliard's new BrakeBoss™. Conveyor belt speed is continuously monitored to follow start and stop profiles independent of load.



- Brake disc mounted directly to pulley shaft protects conveyor from drive component failure & runaway
- System designed for 200% safety factor for holding
- Superior belt tension management for long conveyors with horizontal and / or vertical curves



Barge Unloaders

BRAKE TYPE: **M500-SH**

Quick reacting failsafe brakes stop a barge unloader within inches after power failure. A two stage hydraulic system limits the torque during e-stop minimizing cable stress, followed by higher torque setting for parking.



Since 1905

Built in America... Made for the World

HilliardBrakeSystems.com

HISTORY
of
EXCELLENCE

Founded in 1905, The Hilliard Corporation has evolved from a one-product business into a special applications engineering company serving customers worldwide.

Independently-owned for four generations in Elmira, NY, the company has grown and prospered for over a century.



Hilliard

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