

# **BRAKESAFE DRIVELINE BRAKES**

**FOR MEDIUM VEHICLES (GVM 10-25T)**

---

**Fully Independent Emergency Brake System**



## Safety Without Compromise: Driveline Brakes Engineered for Medium Vehicles Underground

ABT's BrakeSAFE Technology has evolved from light commercial vehicles to include medium and heavy trucks. Created for medium-sized vehicles like **Hino AT500, Mercedes Atego 1630, Isuzu FTS/FSS trucks**, ABT unveils its innovative Driveline Brakes.



## Enhancing Safety in Mining Operations

Driveline Brakes function as a supplementary brake system designed to quickly intervene in the event of service brake system failure. This critical system goes beyond standard OEM supplied park braking system preventing unintended vehicle movements, serving as a crucial safety measure.

Unintended vehicle movement events can lead to serious injuries, fatalities, or substantial damage to fleet and other valuable assets. **Driveline Brakes act as a fail-safe mechanism, mitigating these risks and safeguarding both personnel and valuable resources in mining operations.**

## Driveline Brakes Components:



### Driveline Assembly

A robust, fully enclosed wet brake assembly positioned on the rear differential pinion. Through its 'Spring Applied Hydraulic Release (SAHR)' system, Driveline Assembly ensures that the emergency brake is always FULLY engaged when applied.



### EMMA Pump Module

An advanced electrically operated hydraulic pump module designed to pressurise the Driveline Brake Assembly, facilitating precise brake release.



### ABT Control Box

A dash-mounted control box used to seamlessly operate emergency brake and activate safety interlocks for enhanced security.



## Features and Benefits



### Enhanced Safety

ABT BrakeSAFE Driveline Brakes redefine safety with a low wear rate, ensuring consistent emergency brake performance. The **'Spring Applied Hydraulic Release'** guarantees a fully applied brake, eliminating partial application and the risk of potential uncontrolled movements. Electronically interlocked, the brake engages reliably with every engine shutdown or door opening. Manual activation is simple with the E-stop Button.



### Durability and Reliability

Protected in a sealed, oil-immersed housing, ABT Driveline brake components experience reduced temperatures and remain protected from common abrasive and corrosive mine site contaminants. This ensures reliable emergency brake performance, preventing deterioration of critical components. The 'Spring Applied Hydraulic Release' consistently restrains vehicles, eliminating the need for additional chocking which can lead to human error.



### Reduced Maintenance

Being completely sealed, it remains unaffected by external abrasive or corrosive materials, ensuring optimal performance. In many cases, the lowered maintenance costs effortlessly balance the initial investment in ABT's brakes.



### Environmentally Friendly

Eliminating the release of airborne particles, Driveline Brakes improves occupational health and safety for personnel while delivering broader environmental advantages. ABT Driveline brakes, featuring a zero-emission brake system, is a testament to their alignment with environmental sustainability practices.

## Vehicle Range

#### Medium Vehicles

- Hino AT500
- Isuzu FSS550
- Isuzu FTS800
- Mercedes Atego 1630

#### Heavy Vehicles

- Isuzu FVZ
- Isuzu FX
- Hino 500 FM
- Mack Metroliner
- Mercedes Benz Actros
- Mitsubishi Fuso FV 51
- Scania Trucks
- Volvo 6x4
- Volvo 6x4 Dyno Nobel
- Volvo 6x6

# Why Choose ABT?



## Proven Experience

With over 20 years of proven experience in delivering fail-safe driveline products, ABT stands as a trusted and reliable partner in the industry.



## Mining Industry Expertise

ABT has a track record of designing, manufacturing and supplying fail-to-safe brakes tailored for the global mining industry. Our products adhere to the highest mine standards, including **SABS 1589** (South Africa), **MDG15** (Australia), and **MSHA** (USA).



## Commitment to Quality

ABT proudly holds ISO certifications **9001, 14001, and 45001** showcasing our commitment to quality management, environmental responsibility, and occupational health and safety.



## Global Presence

We have an established global footprint, with references from leading mining operators and contractors worldwide. Our international reach is bolstered by a dedicated network of distributors, and our brakes have been supplied to vehicles on every continent, including Antarctica.