

# TSE-Sense™

Properly functioning brakes are essential for vehicle safety. Brake problems caused by inadequate maintenance and inspection procedures lead to unscheduled repairs, higher operating costs, increased downtime, and accidents.

TSE-Sense™ provides an innovative solution for monitoring brake performance. Utilizing patent-pending technology, TSE-Sense™ monitors brake behavior and supplies real-time updates to telematics systems.

## Smart Brake Actua-



TSE-Sense™ *Smart Brake Actuators* continuously monitor brake stroke at each wheel-end. Patent-pending technologies diagnose brake issues in real-time, including:

- Non-functioning brake
- Dragging brake
- Overstroke condition
- Emergency spring failure
- Brake imbalance, etc.

## Data Integration Box



The TSE-Sense™ *Data Integration Box (DIB)* collects data from each TSE-Sense™ *Smart Brake Actuator* and performs diagnostic checks to verify that each actuator—and the system as a whole—is functioning properly.

The DIB sends status updates to the vehicle's telematics system and provides on-the-spot visual indication to assist maintenance personnel.

how smart are your brakes?



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TSE Brakes is the world leader in actuator design, innovation, technology and performance.