

# 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 Actuator



TSE-Sense™ *Smart Brake Actuators* continuously monitor brake stroke and transmit the data wirelessly to the TSE-Sense™ *Data Integration Box*.

Patent-pending technologies diagnose brake issues in real-time, including:

- Dragging brake
- Overstroke condition
- Emergency spring failure, and
- Cross-axle brake imbalance.

## Data Integration Box



The TSE-Sense™ *Data Integration Box (DIB)* functions as both a commissioning tool for activating TSE-Sense™ *Smart Brake Actuators* and as an on-board brake diagnostic computer.

The DIB sends alerts to the vehicle's telematics system and provides visual indicators to assist maintenance personnel.

#howsmartareyourbrakes



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