

# ACCELERATING PROGRESS

ER8000 ELECTRONIC ROCKER PEDAL WITH vSENSE™ TECHNOLOGY



## **AT A GLANCE**

- A robust design ideally suitable for demanding off-highway pedal applications requiring a rocker type action
- Quadruple compression spring design ensures complete reliability and constant pedal forces over the vehicle lifetime
- Unique hysteresis element design provides smooth, predictable and comfortable operator control
- vSENSE™ Hall effect non-contact sensor provides position sensing and switching accuracy and reliability
- Fully user customizable to fit a wide range of applications

## **Product Description**

The Kongsberg Automotive ER8000 series pedal systems offer easy installation for any off-highway vehicle application requiring an electronic pedal with a bi-directional, 'rocker' type of action.

The mechatronic pedal features the vSENSE™ non-contact sensor with patent-pending technology, configurable for analog output or electronic switches. Built to exceed all applicable industry standards and requirements, this rugged pedal

and sensor system can withstand extreme off-road environments while ensuring precise control and superior performance.

The ER8000 pedal benefits from Kongsberg Automotive's unique 'direct-drive' of the sensor, providing enhanced reliability in all environments. With no moving parts to wear over time, the vSENSE™ sensor sets a new standard for accuracy and durability, exceeding IP67 seal rating by performing under dynamic rather than static conditions.

## Contact:

Europe: Hlavná 48, 952 01 Vráble, Slovakia Tel: + 421 377 911 542

North America: 300 South Cochran PO Box 588 Willis, TX 77378, USA Tel: + 1 936 856 2971

www.kongsbergautomotive.com, info.pps@ka-group.com

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# **Product Specifications**

#### Specifications **Parameters**

Rated life 5,000,000 cycles

Typical pedal actuation torques: Away from neutral position Approx 6Nm Full-pedal-travel Approx 11Nm

1550N (350lb)

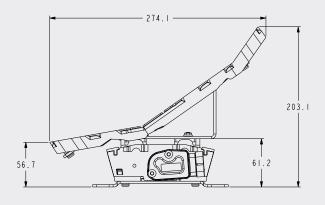
Load rating

Operating temperature -40°C to +85°C

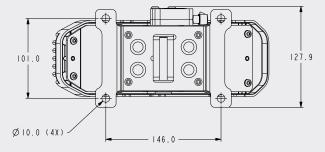
## **Product Dimensions**

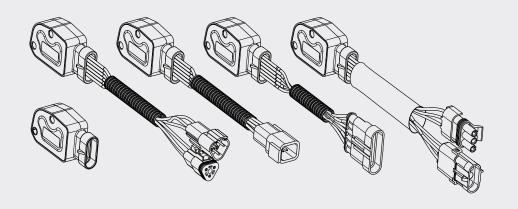
Specification compliance

## **ER8000 SERIES ELECTRONIC ROCKER PEDAL**



FMVSS124, SAE J1455, SAE J1113





## **ER8000** features

- Up to ± 12° pedal travel from the central rest position
- Easy mounting to the cabin floor
- Composite end caps prevent intrusion of debris
- Unique design ensures smooth operation over lifetime, without freeplay or noise

# **ER8000 options**

- Allows easy fitment of custom treadle geometry, if required
- Sensor output
- Sensor connection
- Integrated Metripack 150
- Customized connectors on flying leads