





#### 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<sup>TM</sup> 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<sup>TM</sup> sensor sets a new standard for accuracy and durability, exceeding IP67 seal rating by performing under dynamic rather than static conditions.

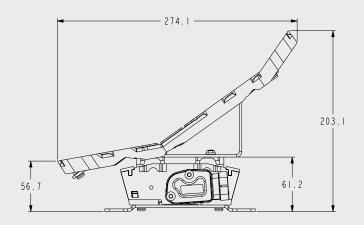


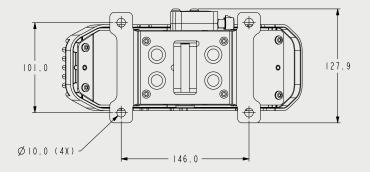
# ER-8000 PEDAL ELECTRONIC ROCKER PEDAL

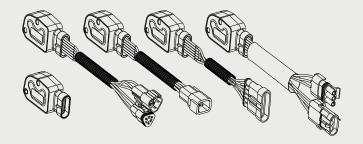


## **PRODUCT SPECIFICATIONS**

PARAMETERS	SPECIFICATIONS
RATED LIFE	5,000,000 CYCLES
TYPICAL PEDAL ACTUATION TORQUES: AWAY FROM NEUTRAL POSITION FULL-PEDAL-TRAVEL	APPROX 6NM APPROX 11NM
LOAD RATING	1550N (350LB)
SPECIFICATION COMPLIANCE	FMVSS124, SAE J1455, SAE J1113
OPERATING TEMPERATURE	-40°C T0 +85°C







## 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

### **OPTIONS**

- > ALLOWS EASY FITMENT OF CUSTOM TREADLE GEOMETRY, IF REQUIRED
- > SENSOR OUTPUT
- > SENSOR CONNECTION
  - » INTEGRATED METRIPACK 150
  - » CUSTOMIZED CONNECTORSON FLYING LEADS