

PRESS RELEASE

Jack Knight Developments have been designing and manufacturing automotive components for over 50 years. JKD are now releasing a new EPAS steering system.

Electrically Power Assisted Steering (EPAS) technology can be applied across a variety of industries but this unit has been developed particularly for racing, constructors and the small batch car manufacturer.

The ECU is fully integrated into the EPAS column Drive Unit, and control and diagnostics algorithms are implemented in the software. A torque and angle sensor is then mounted between the driver and the unit to measure the driver effort, torque, wheel position and rate of turn. Steering assist options include:

- Fully programmable assistance to vehicle speed through CAN or single level of assistance independent of speed.
- Switchable assistance tunes

Product Specification

- EPAS 38 Motorsport
- Max. Assist Torque 38Nm (Rack Assist Force 4500N + 500N manual input)
 - Peak Output Power 800Watts
 - Peak Battery Current 60Amps @13.5Volts
 - Nominal Weight 5Kg
 - Approx Dimensions: 280 x 230 x 140 mm

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Electrically Power Assisted Steering



Benefits

The EPAS system greatly improves vehicle dynamics and driveability, which include:

- Complete flexibility in steering feel configuration through software control.
- Engine independent power steering provision reducing engine losses.
- Product design underpinned by extensive validation and endurance programme.
- Column drive location options; anywhere between steering gear and steering wheel.
- Environmental benefits; No HPAS fluid servicing, no spillage and no contamination issues.

Jack Knight Developments can supply the complete steering solution, which includes the power unit, all shafts, brackets and a rack and pinion to suit your application. For more information please contact our technical sales staff.