



PRESS RELEASE

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Ricardo launches new 'E-Axle' electric vehicle transmission

Drawing upon research and technology that it has developed and proven in markets from Formula-E to Supercars, Ricardo's new E-Axle transmission offers a balance of efficiency and performance, together with low total cost of ownership

Prompted by the rising demand for battery electric vehicles (EVs) and the increasing range of electric machines available for selection by automakers, Ricardo has created a single-speed EV transmission, the first in a planned range of such products, using knowledge and experience developed both on and off the track. Capable of accommodating both high torque and high input speeds, this advanced modular EV transmission will be revealed at the LCV event today. The E-Axle can be used in a wide range of installed orientations, and is equipped with high strength, lightweight aluminium casings that are ideal for direct integration into space-constrained environments.

"It's imperative that to support the driveline requirements of tomorrow's electric vehicles, we utilize our experience gained across a number of demanding projects and sectors to develop a product that can be manufactured in niche volume and short lead times," commented Ricardo Performance Products MD Mark Barge.

"With our new E-Axle EV transmission, we are offering a highly adaptable solution

that will provide an extremely cost-effective means of delivering high quality electric traction to the road. We look forward to supporting customers – from the established automotive industry to EV start-ups – with this flexible transmission product.”



The specifications of the new single speed Ricardo E-Axle electric vehicle transmission is as follows:

E-Axle Specification	
Max input torque	500 Nm
Max input speed	12000 RPM
Ratio availability	10.1 : 1 / 9.1 : 1 / 7.2 : 1
Weight	34 Kg
Lubrication	Forced (separate pump) or splash (wet sump)
Motor compatibility (with adaptor)	YASA 400, AVID 230, BW/Remy 250, EQ 150
Park brake	Electric actuation
Differential	Ramp & plate limited slip or free

For more information about these advanced motorsport-inspired electric vehicle transmissions, visit the Ricardo stand at the LCV event, 12-13 September 2018, or see: <https://automotive.ricardo.com/driveline-transmissions/e-drivelines>

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NOTES TO EDITORS:

Ricardo plc is a global, world-class, multi-industry consultancy for engineering, technology, project innovation and strategy. Our people are committed to providing outstanding value through quality engineering solutions focused on high efficiency, low emission, class-leading product innovation and robust strategic implementation. With a century of delivering excellence and value through technology, our client list includes the world's major transportation original equipment manufacturers, supply chain organizations, energy companies, financial institutions and governments. Guided by our corporate values of respect, integrity, creativity & innovation and passion, we enable our customers to achieve sustainable growth and commercial success. Ricardo is listed in the FTSE4Good Index, which identifies global companies that demonstrate strong environmental, social and governance (ESG) practices. For more information, visit www.ricardo.com.

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