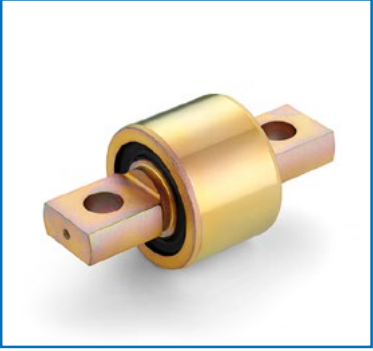
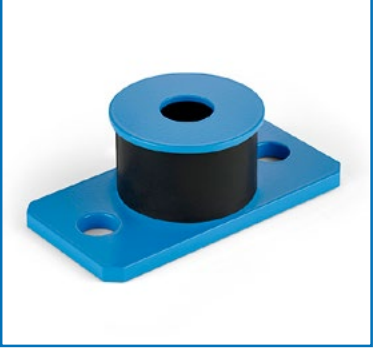
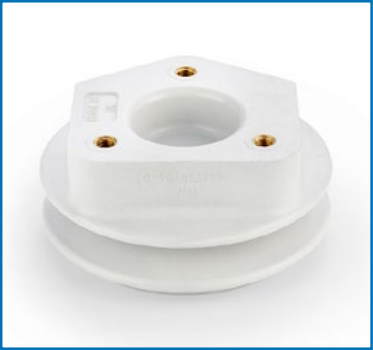
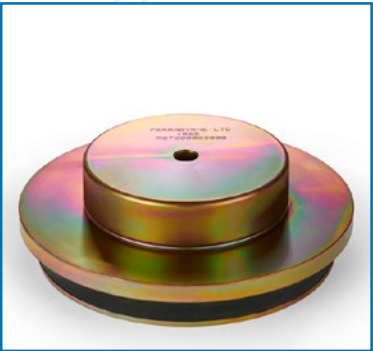
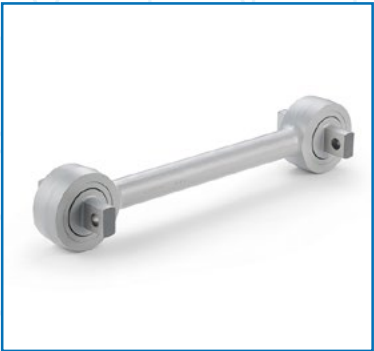




**DELLNER
FERRABYRNE**

Design • Develop • Manufacture • Service





Design

As a company we oversee the whole process from initial specification and design through manufacture to delivery. Dellner Ferrabyrne has an unusually large design and development knowledgebase working alongside both experienced and younger engineers. This results in a good cross-section of skills and an exceptionally wide range of experience for our customers.

Develop

Product development is an important part of our work and all of our products undergo considerable testing during the product proving processes. We have a wide range of equipment including linear tension and compression testing machines along with a 6x6 metres six channel test rig to test suspension sub-assemblies. Dellner Ferrabyrne offer strain gauging, data processing and test rig design to a range of industries and chemical compound analysis is also available. Side by side fatigue testing is used to quantify the benefits of any new or modified design. All newly designed parts are tested to ensure that the characteristics meet or exceed the specification.

Manufacture

Our manufacturing facility of approximately 3,000 sq.m contains a variety of plant and equipment including 32 Vulcanization presses ranging from 100 – 1000 Tonne, 2 rubber mills, a fully ventilated bond painting facility, an assembly and finishing area for all types of bushes, a complete overhaul/assembly section dedicated to the refurbishment and new build of various assemblies, including traction centres, anti-roll bars and associated links, and airspring assemblies. In addition, we have a separate warehouse of approximately 1,400 sq.m used for storage, including an inspection area for goods-inwards and dispatch. Goods are inspected, packed, stored and dispatched to the highest industry standards.

Service

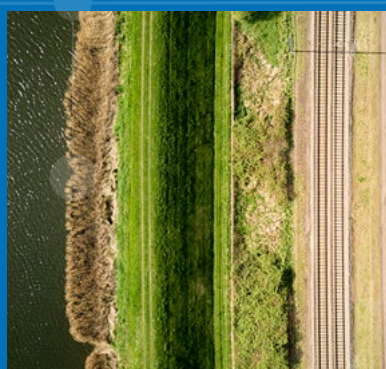
Refurbishment

As an OEM supplier to the rail industry we offer a structured set price refurbishment service for parts which are returned looking as new. Dellner Ferrabyrne collect the used products, bring them back to our facility and blast out the rubber to metal components. We then clean them, replace with new rubber, paint and deliver the parts back to the customer. Rubber is burnt via pyrolysis as an inert process so there is no damaging environmental impact. This can be a more attractive option than buying new parts – particularly for high-metal objects as the metal areas are designed for life. It is a cost-effective way to keep the trains running.

Condition Assessment

As with most industries and particularly within the rail and wind turbine markets, quantified life expectancies and costs of both existing and developed products are of great importance. Extending periods between services can reduce the number of services and hence decrease operating costs.

After a product has reached its predicted life span, we inspect it, and test it to assess the part for future use. Condition assessment for mileage extension is an important area for us and where service life and condition can be fed back into our design processes and calculation with the aim of increasing life span and reducing life cycle costs.



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