



# Off-the-Road Wheel Repair and Maintenance

**BRIDGESTONE**  
BRIDGESTONE EARTHMOVER TYRES



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# OTR wheel repair and maintenance services

Bridgestone Earthmover Tyres (BSEM) offers a complete OTR wheel maintenance service.

We are continually investing in personnel and resources to provide the products and services you need to reduce wheel operating costs and maintain operating safety.

OTR wheel maintenance is an important safety issue in the operation of major mining and industrial equipment. Safety standards for maintenance of OTR wheels and tyres are required by legislation and are supported by the Australian Standard AS4457 Earthmoving Machinery – Off the road wheels, rims and tyres – Maintenance and repair, Parts 1 and 2.

OTR wheels and rims suffer severe dynamic loading cycles during operation that can cause metal fatigue. This, in addition to corrosion and abrasion, can lead to general deterioration of the wheel and tyre assembly. As well as reducing operating life, this becomes a serious safety issue, as disintegration of pressurised tyre and rim assemblies during operation or maintenance can result in serious injuries and death.

## Advanced wheel management systems

Recording the operating history of wheels, rims and rim components is vital to enable detection of unsafe wheels and rims. Bridgestone Earthmover Tyres provides expert advice to help our customers create reliable, non-destructive testing regimes that will identify fatigue and other deterioration in wheels and rim components.

A maintenance management system should also include a data collating program that tracks and reports on the status of wheel and rim testing. Capture and analysis of tyre and rim operational data ensures a sound understanding of the health of your tyre and rim assets.

## Comprehensive testing and repair services

Our testing facilities employ the latest technology to identify flaws in any of the wheel sections before they fail. At our specialist repair facilities, highly trained operators carry out repairs and component replacement based on the combined expertise of Bridgestone Earthmover Tyres and Topy wheels and rims, the world's largest supplier of OTR wheels to original equipment manufacturers and the after-market.

This collaboration allows BSEM to provide the best-qualified and most advanced engineering service, repairs, and sub-manufacturing for wheels and rims in Australia.

**EXACTRA**  
VALVE SYSTEMS

**Firestone**



**TOPY**  
OFF THE ROAD WHEELS

**BRIDGESTONE**  
REPAIR SYSTEM

**SOLUTIONS™**  
**DRIVEN**

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