



Complete Tyre &
Wheel Solutions

BRIDGESTONE
BRIDGESTONE EARTHMOVER TYRES



Bridgestone Earthmover Tyres:
Serving society with superior quality

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Bridgestone Earthmover Tyres is Australia's leading supplier of off-the-road (OTR) tyres, support products and services for mining, construction, forestry and industrial applications.

Our products and services include:

- Bridgestone/Firestone OTR tyres
- Topy wheels and rims
- Seal-Zit tyre additives
- Exactra valves
- OTR tyre repairs
- Wheel engineering services
- Tyre and wheel fitting and management services
- Firestone tyres for the construction and forestry industries
- Tyre and wheel application training.

As part of the global Bridgestone Corporation, we have direct access to Bridgestone's renowned engineering expertise throughout the world.

Our distribution network includes our own branch outlets in all states plus the Northern Territory, as well as a number of strategic dealers located around the country.

We provide tyre and wheel management programs designed to ensure customers get maximum life and performance. We also operate Australia's largest network of OTR tyre repair facilities.

To optimise tyre and wheel performance and ensure safe applications, we offer training for management and supervisors as well as maintenance personnel and fitters at strategic locations throughout Australia.

We pride ourselves on our high level of customer support, whether to mine sites, quarries, contractors, councils, forestry operations or owner-operators.

Our trained technicians and fully equipped workshops and service vehicles allow us to offer a complete customer support service, including tyre removal and fitting, as well as on-going inspections and repairs for tyres and wheels.

Our specialised sales and engineering team is available to provide customers with advice on tyre and wheel selection for any application, plus assistance and planning to ensure maximum performance from correctly selected, installed and serviced tyres and wheels.

Tyre supply

Bridgestone Earthmover Tyres has developed a comprehensive response to tyre supply to ensure timely delivery of tyres to our customers. This includes:

- Significant investment in manufacturing facilities around the world
- Working with customers to maximise tyre life and performance, with solutions tailored to specific sites
- Development of sophisticated tyre management programs

- Upgrading and expanding our tyre repair facilities around Australia
- Nationwide distribution facilities.

By working closely with our customers, including providing on-site assessment programs, we are able to maximise tyre life and optimise equipment availability.



63 inch VRPS
mining

57inch VRPS
mining

VSDL
mining



Tyre range



Mining
Construction
Forestry
Industrial
High speed

We provide OTR radial and bias-ply tyres for a range of applications and equipment.

Mining: We offer the world’s widest range of high-productivity tyres for haul trucks, loaders and other rubber-tyred equipment, capable of working in a wide range of conditions and applications – both surface mining and underground.

Construction: We supply tyres for all types of construction equipment, from the smallest skidsteers and compact wheel loaders, up to large loaders, graders, scrapers and haul trucks – both rigid and articulated.

Forestry: We offer the renowned Firestone range of forestry tyres for all applications, including high-flotation tyres for forwarders and feller-bunchers, as well as deep-tread, robust tyres for log skidders.

Industrial and high-speed tyres: Bridgestone tyres for industrial applications include a full line of tyres for container port handling applications, including our VCHS range for container handlers and our VCHD range for straddle carriers. Bridgestone VHS tyres for high-speed crane service were specifically developed to deliver smooth wearing, renowned durability and safety in these demanding applications.

For full details and specifications of the complete Bridgestone and Firestone ranges, please contact your nearest Bridgestone Earthmover Tyres branch.



Wheels and rims

Bridgestone Earthmover Tyres is the exclusive distributor of Topy wheels and rims throughout Australia and the South Pacific.

Our wheel and rim products and services include:

- Wheels and rims from Topy, the world's largest supplier of OTR wheels
- Wheel base and component testing, tracking, repairs and section replacement
- Training in safe application, fitting and maintenance of wheels as per Australian Standard AS4457-1
- Wheel/rim management service.

Topy wheels

Topy Industries' range of OTR wheels includes extensive products and services for mining, construction and materials handling applications.

Topy is the world's only steel producer that manufactures wheels, applying specific material specifications to individual wheel components in order to ensure maximum safety, strength and durability.

Seal-Zit tyre additive

Seal-Zit, distributed exclusively in Australia by Bridgestone Earthmover Tyres, is a specially formulated light-viscosity fluid delivering exceptional tyre and rim base protection when added to the tyre air chamber.

Proven over the past 40 years, it is an essential aid for prolonging tyre and rim life.

Seal-Zit has four key functions:

- As a rust-inhibitor on wheels and rims
- As a tyre coolant – providing improved tyre durability
- As an internal tyre protector
- Improves ease of tyre servicibility.

Formulated using food-grade ingredients, it is completely non-toxic and 100% environmentally friendly – a unique attribute for additives in this application.



MANUFACTURED EXCLUSIVELY FOR
BRIDGESTONE EARTHMOVER TYRES



Tyre repair

Mt Isa
Mackay
Perth
Kalgoorlie
Melbourne
Hunter Valley
Lae (PNG)

Our repairers are trained to a national accreditation;
Certificate II in Major Repair of Off-the-Road Tyres.



High-Quality OTR tyre repairs are a proven method of improving overall tyre life, allowing equipment operators to gain substantially more life from damaged tyres, as well as reducing the overall cost of operation.

Tyre repair, when carried out to the required quality standards, provides safe tyre use throughout the remaining life of a damaged tyre. Bridgestone Earthmover Tyres offers the most comprehensive tyre repair facilities in Australia, allowing all brands and types of tyres to be repaired to the highest possible quality standards.



Currently we have seven OTR tyre repair facilities, strategically located throughout Australia and PNG.

Bridgestone Earthmover Tyres has developed an OTR tyre repair training program, providing our tyre repair technicians with Australia's only nationally accredited and recognised off-the-road tyre repair accreditation.

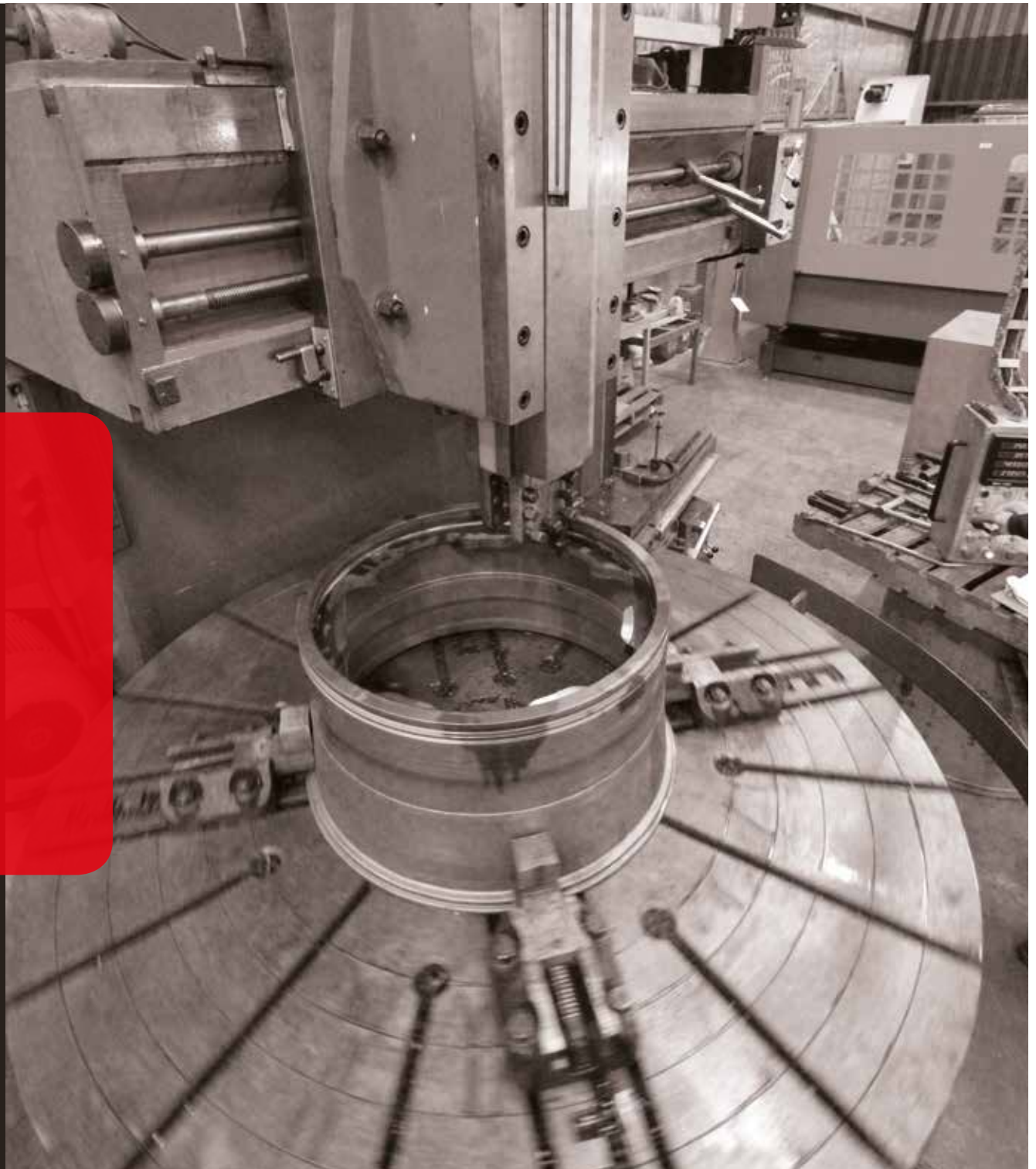


Our facilities are capable of carrying out both minor repairs (non-structural damage) and major repairs (structural damage), with the focus on:

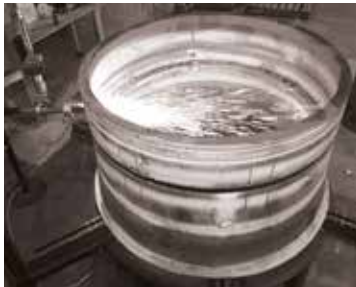
- Compliance with the Australian Standard for OTR tyre repair (AS4457.2), which has been incorporated into our repair guidelines and safe working procedures
- Quality control, incorporating comprehensively documented inspections that ensure each aspect of a repair exceeds internationally recognised standards of workmanship
- Quality assurance, with our repair management systems designed to conform with ISO 9001 international QA standards
- Research and development, using the considerable technological resources of Bridgestone's technical development centre in Japan to continually improve repair safety, performance and quality.

Wheel repair and maintenance

We offer a complete OTR wheel maintenance service. Australian OH&S authorities, particularly in the mining sector, insist on continuous monitoring of heavy OTR wheels – which, if left unchecked, can fail through fatigue.



Reducing Wheel Operating Costs and Maintaining Operating Safety are real challenges with the operation of major mining and industrial equipment. BSEM is investing in personnel and resources to provide the products and services to address your wheel challenges.



With prolonged service, wheels and wheel components become fatigued or even cracked. Accurately monitoring each wheel's condition throughout its operating life, including regular checks for cracks, fatigue and other damage, is necessary to maximize productivity and minimize risk.

Our wheel repair and maintenance service includes on-going, regular inspections of mining equipment wheels, including crack testing, wheel repairs and wheel section replacement, as well as the supply of complete wheel assemblies.

Wheel and rim maintenance is an important safety issue, and a regular testing program significantly reduces the risk of incidents and injuries through wheel failure.

Wheel failures generally result from one of four main causes:

1. Fatigue.
2. Corrosion.
3. High point loading due to fretting and or galling between metal to metal contact.
4. Exposure of the rim to mechanical damage.

Our testing facilities feature the latest technology, including fine shot blasting and magnetic particle testing designed to identify flaws in any of the wheel sections before they fail. Generally OTR wheels come in three or four sections and when a section is deemed to be faulty, the section is simply replaced.

Testing can also identify potential failure issues. With a regular testing program, the service life of the wheel and rim can be increased significantly, while safely maintaining the integrity of the entire assembly.

Bridgestone wheel and rim testing facilities provide customers with additional services to improve their overall wheel management efficiencies. Wheels and rims are tested using information from a data collating program, confirming when the wheels are tested and the frequency of wheel maintenance.

Our wheel and rim repair and maintenance services combine the expertise of Bridgestone Earthmover Tyres and Topy wheels and rims, both recognised as world-leading manufacturers in their fields.

Tyre and wheel management

Comprehensive understanding of the tyre and wheels capability and potential, guides BSEM to manage this resource to maximize the product performance for the customer.

Bridgestone Earthmover Tyres' site-specific tyre and wheel management services are designed to ensure tyre and wheel life is maximised while providing the highest possible standards of safety, machine availability and productivity.

Applying sound tyre and wheel management principles offers a number of advantages, including:

- Safer operation
- Longer tyre and wheel life
- Reduced tyre and wheel costs during the life of equipment
- Reduced machine downtime.

Our specialist management teams can visit your mine site, quarry or construction project and assist in developing a tyre and wheel management program suited to your application.

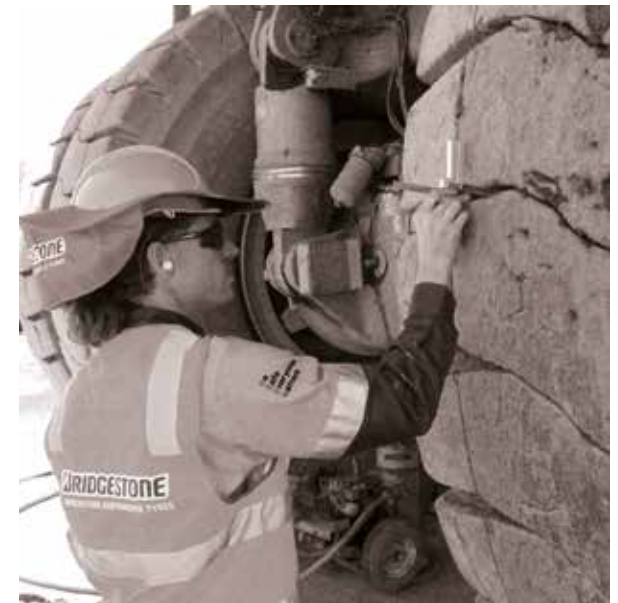
Elements of a tyre and wheel management program include:

- Optimising site tyre and wheel related safety
- Reducing tyre-cut damage, through measures such as maintaining clear surfaces in loading and dumping areas, minimising spillage on haul roads and limiting operation in wet conditions

- Preventive maintenance for cut-damaged tyres, including timely removal of tyres before they are too damaged for viable repairs
- Operating tyres within their capabilities, through such measures as operating within the TKPH rating, carefully matching tyre load and speed capacity and checking that appropriate tyre pressures are maintained at recommended levels
- Implementing wheel maintenance and inspection programs to log each wheel's condition throughout its operating life, checking for cracks, fatigue and other damage, and carrying out repairs as required.

These programs also include steps to further increase the potential life of tyres and wheels, through:

- Improving operating surfaces
- Better road design
- Imposing speed limits according to conditions
- Optimising tyre and wheel selection
- Training of on-site personnel, including management, foremen and supervisors, to ensure the safe use and operation of tyres and wheels
- Additional operator training, with a view to increasing awareness of tyre management issues.





Tyre and wheel fitting

Bridgestone Earthmover Tyres has a nationwide network of service facilities to handle all of your tyre and wheel fitting needs. This network includes:

- Trained tyre and wheel fitting technicians.
- Specialist handling equipment.
- Dedicated maintenance centres.
- Total commitment to safe tyre fitting and handling.
- In-service wheel inspections to ensure safe on-going use.

Training and safety

Informed decision making is the goal of BSEM's training programs. All of the BSEM training is focused on the customer understanding the tyre and wheel products so that safe application is maintained and life potential is maximized.

Bridgestone Earthmover Tyres is totally committed to the safe handling, fitting and management of off-the-road tyres and wheels.

Our approach to safer tyre and wheel handling includes:

- Specialist tyre and wheel handling equipment
- Comprehensive risk management plans
- Adherence to legislative OH&S requirements as a minimum
- Continuous training in safe tyre and wheel handling procedures for our staff, contractors and customers.

Bridgestone Earthmover Tyres provides a comprehensive series of training programs – in our specialist training facilities – covering all aspects of tyre and wheel use and management. These include:

- How to carry out safe tyre handling procedures and practices
- How to optimise tyre selection, based on site requirements
- How to maximise tyre life in specific applications.



Comprehensive training is the key to correct and safe tyre and wheel handling, and is a major part of the services Bridgestone Earthmover Tyres offers the industry as a whole.

Our aim is to make information available to anyone associated with tyres and wheels on OTR equipment – supervisors, operators, foremen and fitters – to ensure they are fully equipped to safely manage, select and handle tyres and wheels.





Bridgestone Earthmover Tyres:
Complete tyre and wheel solutions

SOLUTIONS™
DRIVEN

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