

**XMOR<sup>®</sup>**  
HIGH PRODUCTIVITY EQUIPMENT



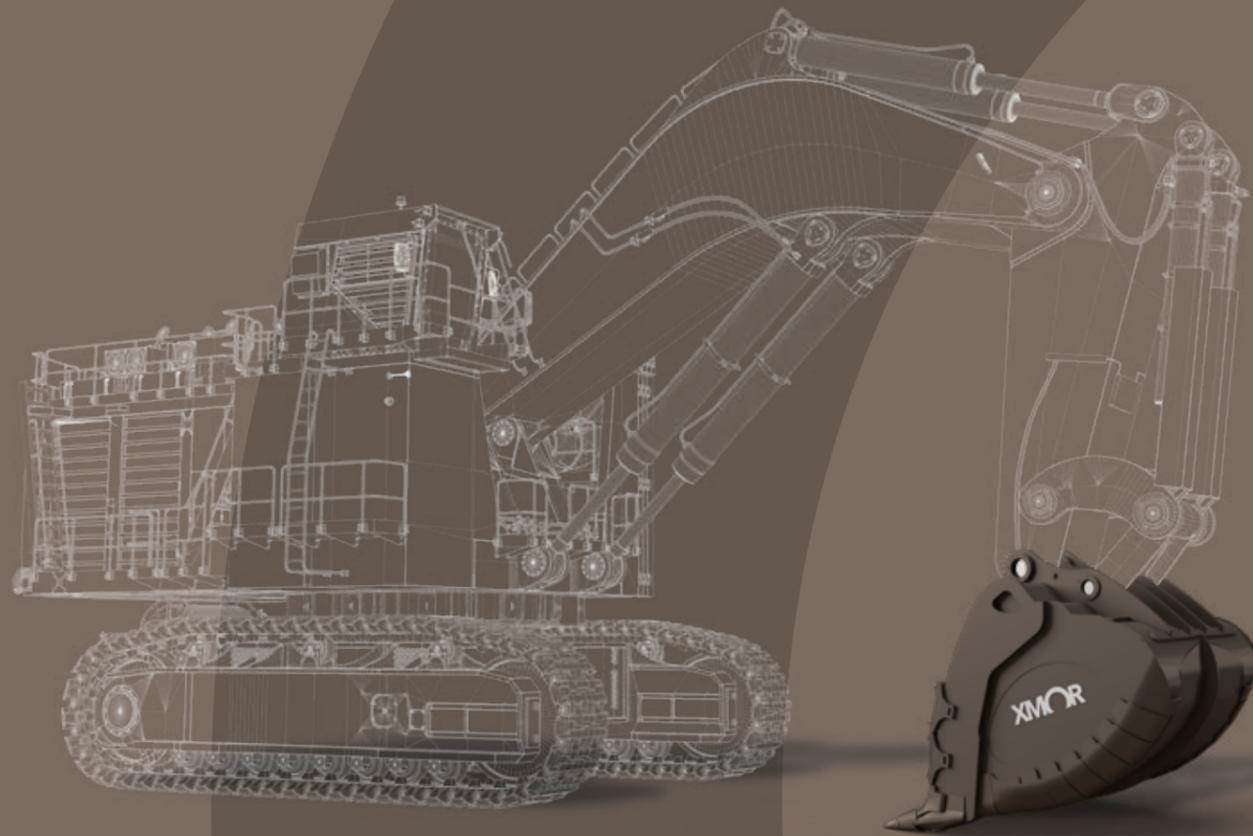
**EXPECT  
MORE!**

**XMOR<sup>®</sup> Buckets and Dump Bodies**

# XMOR<sup>®</sup> DUMP BODIES

**Lightweight bodies are not new.**

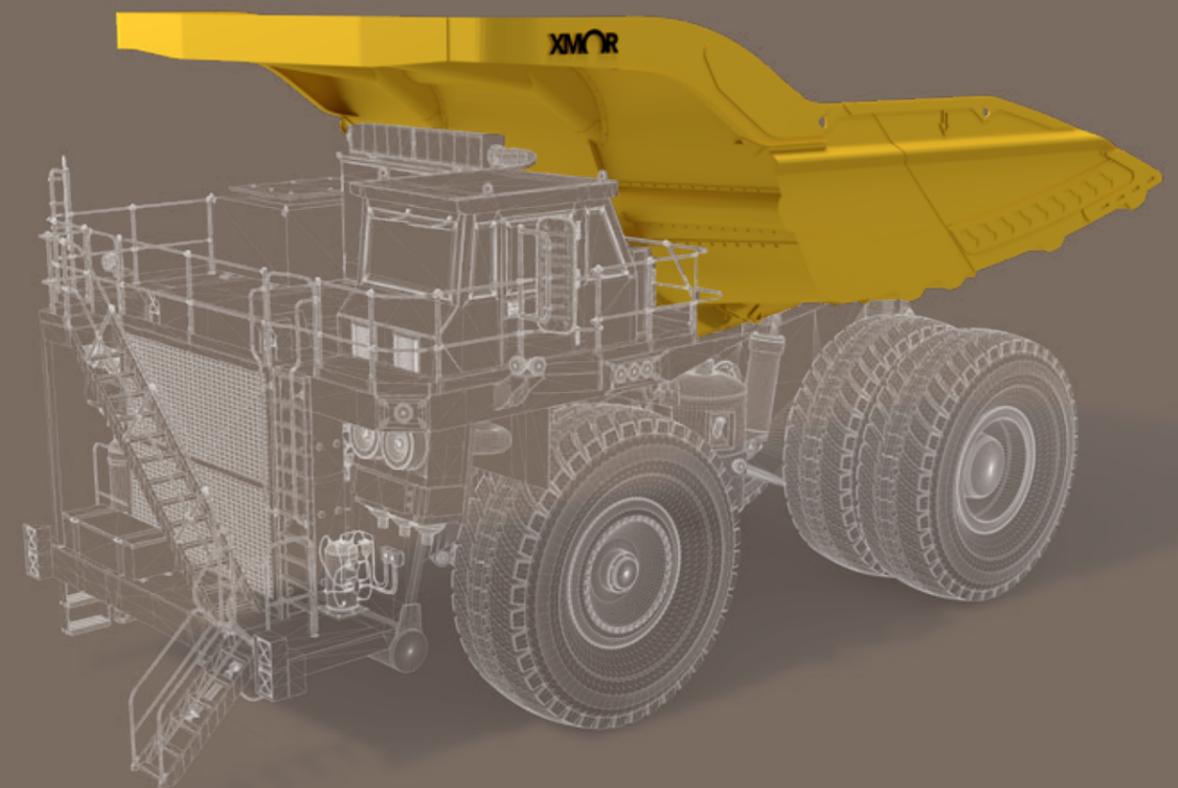
But XMOR<sup>®</sup> has gone even lighter. Harder. Stronger. And more... A true lightweight high-productivity dump body that can stand up to the extremes of mining. It offers increased payload, decreased maintenance, elevated service life, reduced carryback, optimized axle splits, improved dumping performance, minimized spillage and ultimately a reduced cost per tonne.



## XMOR<sup>®</sup> BUCKETS

**It's easy to make a lightweight bucket.**

It's more difficult to make a light bucket that is larger. It's even more difficult to make a lighter, larger bucket that can still stand up to the extremes of mining, while consistently deliver more payload, cycle after cycle, and still offer a reduction in maintenance and repair.



## EXPECT MORE

**XMOR<sup>®</sup> is a revolution in earthmoving attachment design.**

The unique high-strength steel formula delivers the lightest, hardest working products available in the mining and earth moving industry. Offering increased volume and reduced weight, they can handle larger payloads than their counterparts; increasing the productivity of your equipment and reducing cost per tonne while extending service life.

# XMOR® BUCKETS

## Increased payload and productivity

- Significant weight reduction vs traditional buckets while also offering a larger volume that remains within the OEM machine Rated Suspended Load.
- Improved bucket payload within the same machine payload – increasing machine productivity

## Exceptional wear resistance hardness and toughness

- High hardness and yield strength even with use of thinner steels resulting from extensive use of Hardox® 500 Tuf steel,
- Tapered design and innovative top beam design increases stiffness

## Patented inverted keel design

- Reduced underside contact pressure and thus reduced wear rate during digging operations.
- Reduced weight and maintenance tasks with the removal of underside wear bars.
- Rounded corners improve digging performance through further reduced external drag, and reduced hang-up inside.

## Hot work minimized

- On-site wear package maintenance tasks minimized, resulting in cost and safety benefits.

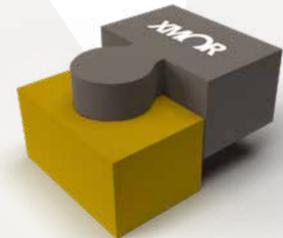
## Handles all material

- Product range developed for use with a wide range of materials with different wear characteristics including high abrasion and high density materials
- Customized design with options depending on digging scenario and customer requirements.
- Available for all major mining backhoe excavators.

## Low operating costs

- High payload productivity.
- Reduced on site maintenance and wear parts costs.
- Low-drag design results in reduced fuel burn and improved digging characteristics.

## XMOR® – Expect more in less time



The result of many years of materials and bucket design knowledge, plus extended field development, XMOR® mining buckets are proven in operation. With minimized wear packages and structural innovations we can offer a larger yet lighter backhoe bucket design that offers increased productivity and reduced maintenance.

Internal curvature and minimized corners for reduced hang-up.

Lightweight design utilizing Hardox®, Duroxite® and Strenx®.

Tapered shape for reduced drag and carryback.

Patented inverted keel reduces wear on the bottom of the bucket, enabling function without heavy underside wear package.

Improved digging performance and wear life through use of formed heel segments.

Customized solutions, compatible with a wide range of GET, including cast and plate lips.



**All XMOR® products are Hardox® In My Body certified, and manufactured using genuine Hardox® wear plate.**

Underpinning the XMOR® design philosophy is the belief that much more can be done with the materials available to us – utilizing the combined properties of strength, toughness, hardness, weldability and formability to make stronger, lighter, more productive solutions. This includes Hardox® 500 Tuf which is used extensively within the XMOR® product range. The properties of Hardox® 500 Tuf enable our engineers to push the boundaries further, resulting in significant benefits for our customers.

Lightweight, linerless dump bodies designed to withstand extremes. Developed to utilise the unique combination of properties available in Hardox® 500 Tuf, and bringing new innovations, XMOR® bodies are extensively customisable available for all large rigid mining trucks.

Carry-back reduction due to flexible design with large curvature on all planes including front wall to floor.

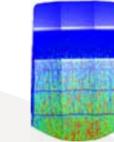
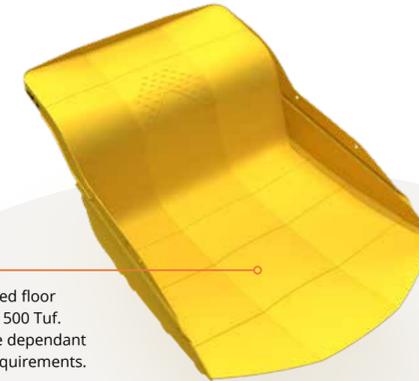
Unique wear resistant panelled floor manufactured from Hardox® 500 Tuf. Panel thickness customizable dependant on site characteristics and requirements.

Anti-spill canopy captures spillage and feeds back into dump body, protecting machine and reducing clean-up. A short canopy is available for AHS operations.

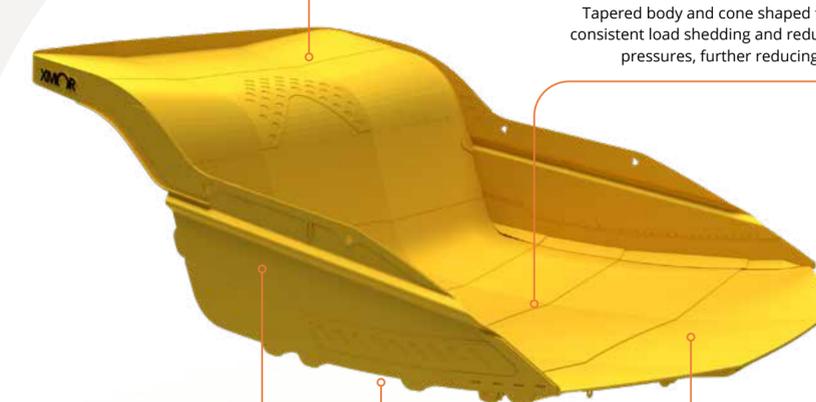
High-strength steel sidewalls with no welded beams.

Patented payload centring design.

Conical body and tail shape ensures constant load shedding and offers the ability to throw the load over the windrow.



XMOR® engineers perform significant analysis and modelling, as well as development correlating the models to reality through strain gauging and wear studies. A key part of the body development is Material Flow and Wear Analysis performed using advanced DEM software.



Tapered body and cone shaped floor ensure consistent load shedding and reduced contact pressures, further reducing wear rates.

# XMOR® DUMP BODIES

## Certified Hardox® In My Body liner-less dump body

- Integrated wear and impact resistant structure constructed from Hardox® 450 and Hardox® 500 Tuf wear steel and Strenx® 700 high-strength steel.
- Unique Hardox® 500 Tuf panelled floor enables customization based on site abrasiveness and impact.

## Reduced weight – increased payload

- Super-lightweight structure decreasing body weight by up to 50% and increasing available truck payload by 10% compared to a typical OEM body.
- Integrity of the XMOR® body features are retained for life – no impact or liner plates.
- High-strength steel sidewalls designed to enable contact with loading machines without significant body damage.

## Patented payload centring design

- Patented design and “cone” shaped construction results in automatic load positioning for optimal axle loading and truck stability regardless of density carried.
- Automatically directs any overload to the rear four tyres reducing tyre heat and increasing tyre life.

## Improved dumping performance and reduced carryback

- Anti-Hang-Up design eliminates carry-back through smooth geometry and front wall curvature
- Tapered body and cone shaped floor ensure consistent load shedding reducing wear rates, eliminating choking at the crusher and dozer clean-up at the dump.

## Designed for minimal maintenance

- No requirement for liners through normal operational life.
- Minimal operating cost and downtime due to maintenance.
- Improved on site safety, with a host of maintenance friendly features.

## XMOR® – Expect more in every load



XMOR® products are part of ongoing efforts to reduce the CO<sub>2</sub> output of mining operations and will soon be produced using the world's first fossil-free steel.

Through the use of XMOR® products operators can contribute to significant CO<sub>2</sub> savings. This is achieved through the lower amount of steel required to produce the product, and also through the longer service life (which then requires less steel over time), the lower product weight (which can be translated into fuel savings), and the increased capacity (as we are essentially hauling more tonnes for the same CO<sub>2</sub> output, and thus reducing the CO<sub>2</sub> per tonne). An SSAB EcoUpgraded calculation example based on a Caterpillar 793 body yields the below results:



- CO<sub>2</sub> SAVINGS  
1 171 tons/lifetime
- CO<sub>2</sub> PAYBACK TIME  
2 months
- FUEL REDUCTION  
337 800 l/lifetime
- Taking 550 cars off the road for a year



G&G Mining is a specialist in the design, manufacture, repair and refurbishment of high-quality engineered, mobile mining equipment attachments, components and supply of associated services and has been supporting the mining industry for over 30 years.

We marry expertise in advanced high-strength and wear-resistant material with design, application and manufacturing knowledge to offer market-leading solutions.

Solving the challenges of mobile equipment productivity through increased payload and improved wear resistance, our products include customized mining buckets, dump bodies and water tank solutions, alongside product support and on site and off site maintenance, repair and refurbishment services. G&G is a member of the global Hardox® Wearparts network and can offer a vast array of customized wear-resistant solutions.

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All XMOR® products manufactured by G&G are certified Australian Made products XMOR® is a trademark of SSAB AB



XMOR® products are designed and developed to offer operators improved productivity through the use of innovative design paired with advanced Hardox® wear-resistant steels, resulting in stronger, lighter, larger structures with increased payload and operational life.

# XMOR®