

# GET & BUCKETS

## UNDERGROUND MINING



Our Innovation. Your Advantage.



# OUR GLOBAL BUSINESS

Bradken is a global supplier of differentiated products for the resources, freight rail and energy markets. With more than 85 years experience in the foundry business, our wealth of knowledge enables us to design, manufacture and maintain innovative products for improved operational outcomes and safer work practices.

Bradken has been manufacturing Ground Engaging Tools (GET) and buckets for the Australian, New Zealand and Papua New Guinea markets for more than 55 years and we are committed to the production of high quality, differentiated products for the global mining and construction industry.

Our mining sector product lines consists of:

## Undercarriage Components

Bradken offers a full range of undercarriage componentry that is sold to original equipment manufacturers and mining operations globally. Our products include crawler shoes, sprockets, idlers and rollers for mining class electric shovels and hydraulic excavators.

## Ground Engaging Tools (GET) and Buckets

Bradken produces a series of comprehensive ground engaging tools (GET), associated wear parts, buckets and dragline rigging components to fit front-end loaders, hydraulic excavators and dragline machines. With a number of fabrication and maintenance workshops in key mining regions, we are well equipped to provide comprehensive aftermarket support.

## Mineral Processing

Bradken offers high quality mill and crusher products for the mineral processing and quarrying industries as well as complete wear liner solutions to increase performance and lower operational costs.

## Fixed Plant

Bradken's wear solutions are tailored to meet specific wear environments for the protection of fixed and mobile plant equipment, including clad plate, bimetallic, ceramic and chrome wear products. Our extensive range of products ensures a perfect fit can be tailor made for your wear application.



**We are a leading manufacturer of differentiated wear products and are well equipped to support your site with the Bradken 'Advantage'.**

Bradken has been servicing the Australian market for more than 55 years, supporting and responding to the demands of the growing mining industry.

As we continue to broaden our global presence, our already comprehensive range of services will continue to expand.

Your mine site can count on Bradken to provide\*:

- Design and Engineering Resources
- On-site Part Monitoring
- Field Service Support
- Refurbishment Facilities
- Distribution Networks

*\*Contact your local Bradken representative or request a copy of the 'Advantage' flyer for further information on services that are offered in your region.*

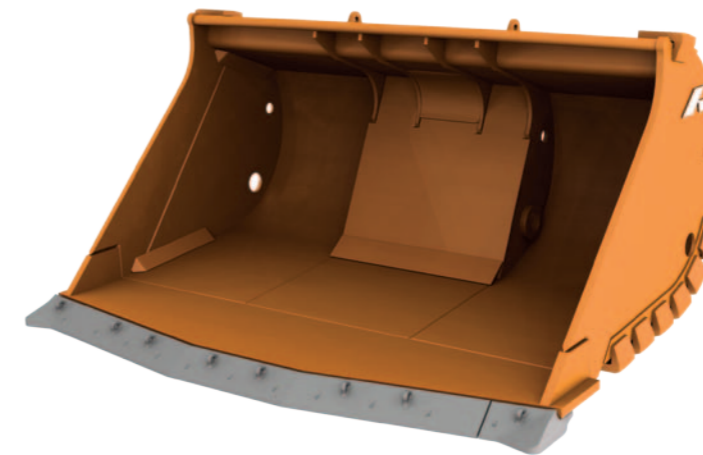


Bradken Pioneer™ Load Haul Dump (LHD) buckets are designed specifically for underground mining applications, including remote bogging, production and development, and can be customised to suit OEM connections without the need for modification.

Our standard product range covers buckets from 5m<sup>3</sup> to >12m<sup>3</sup> (6.5yd<sup>3</sup> to >15.7yd<sup>3</sup>) capacities, while our customised range offers buckets to suit your production and maintenance requirements. Importantly, all Bradken Pioneer buckets, wear packages and GET can be tailored to suit your individual site requirements.

Optimised to reduce stress concentrations, Pioneer buckets minimise the potential for cracking, increasing maintenance intervals.

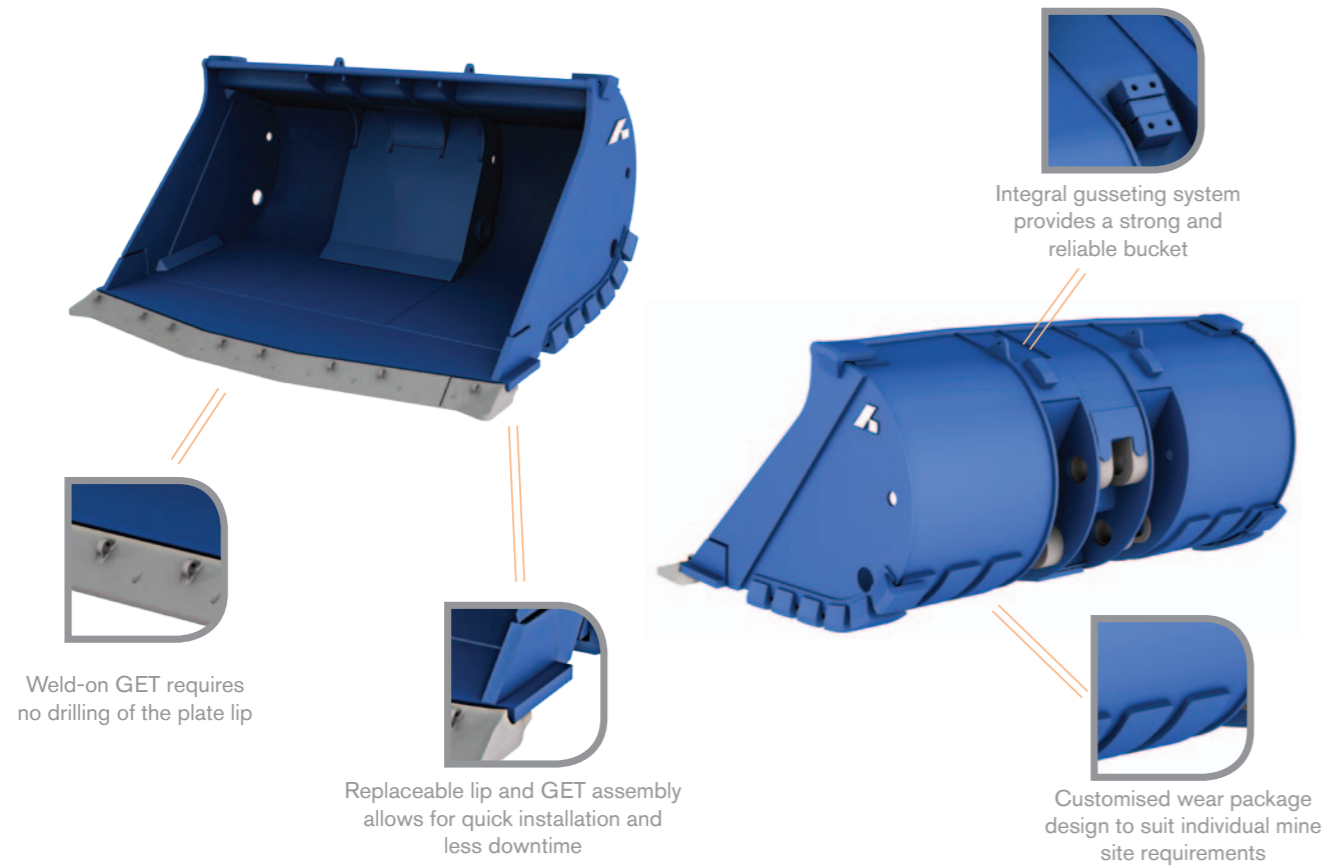
Bradken can also customise Pioneer buckets with safety in mind, with the option of Bradken Orange 'hi-vis' paint and reflective strips in key areas providing you with improved visibility underground.



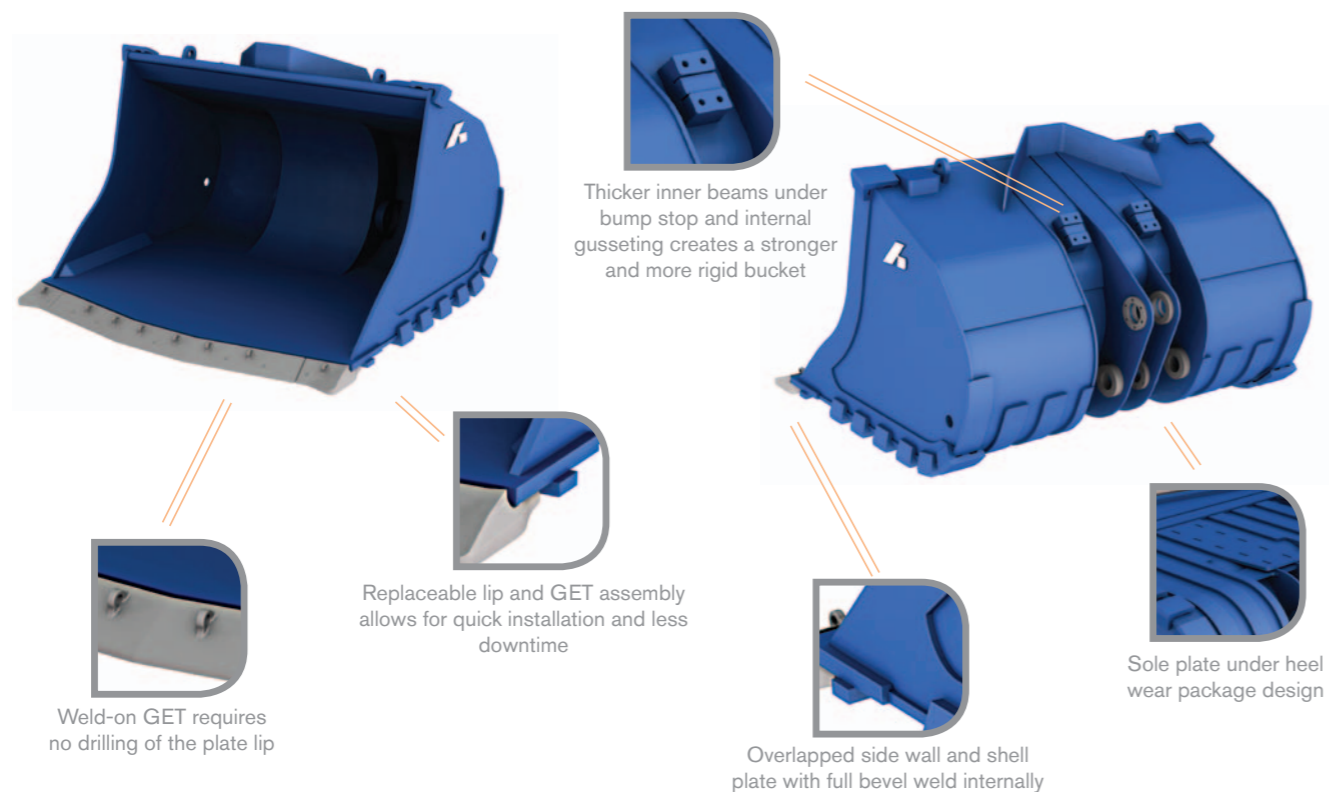
Features	Advantages	Benefits
Compatible connection points	Simple change over	Increased availability
High strength bucket structure	Extended maintenance intervals	Reduced maintenance Increased availability
Optimised wear package	Extended maintenance intervals	Increased availability
Hi-vis option	Visibility improved underground	Improved safety

# Pioneer™ Load Haul Dump Bucket

## Pioneer Bucket to suit Caterpillar® LHD Machines



## Pioneer Bucket to suit Sandvik®/Toro® LHD Machines



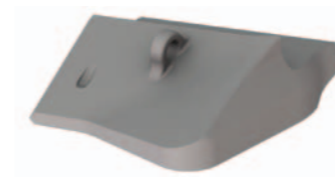
# Weld-on GET

Bradken Pioneer buckets can be fitted with our heavy-duty weld-on shroud GET offering.

The design incorporates slim profiles that allows for better penetration, as well as wear indicators, which reduce unscheduled downtime by identifying when change-out is needed.

The true continuous edge of the design provides a clean, flush floor operation, while at the same time providing a reliable mating connection, eliminating shroud losses.

Bradken Pioneer weld-on shrouds come in corner, centre and intermediate configurations, all with lifting lugs to provide safer handling during installation.



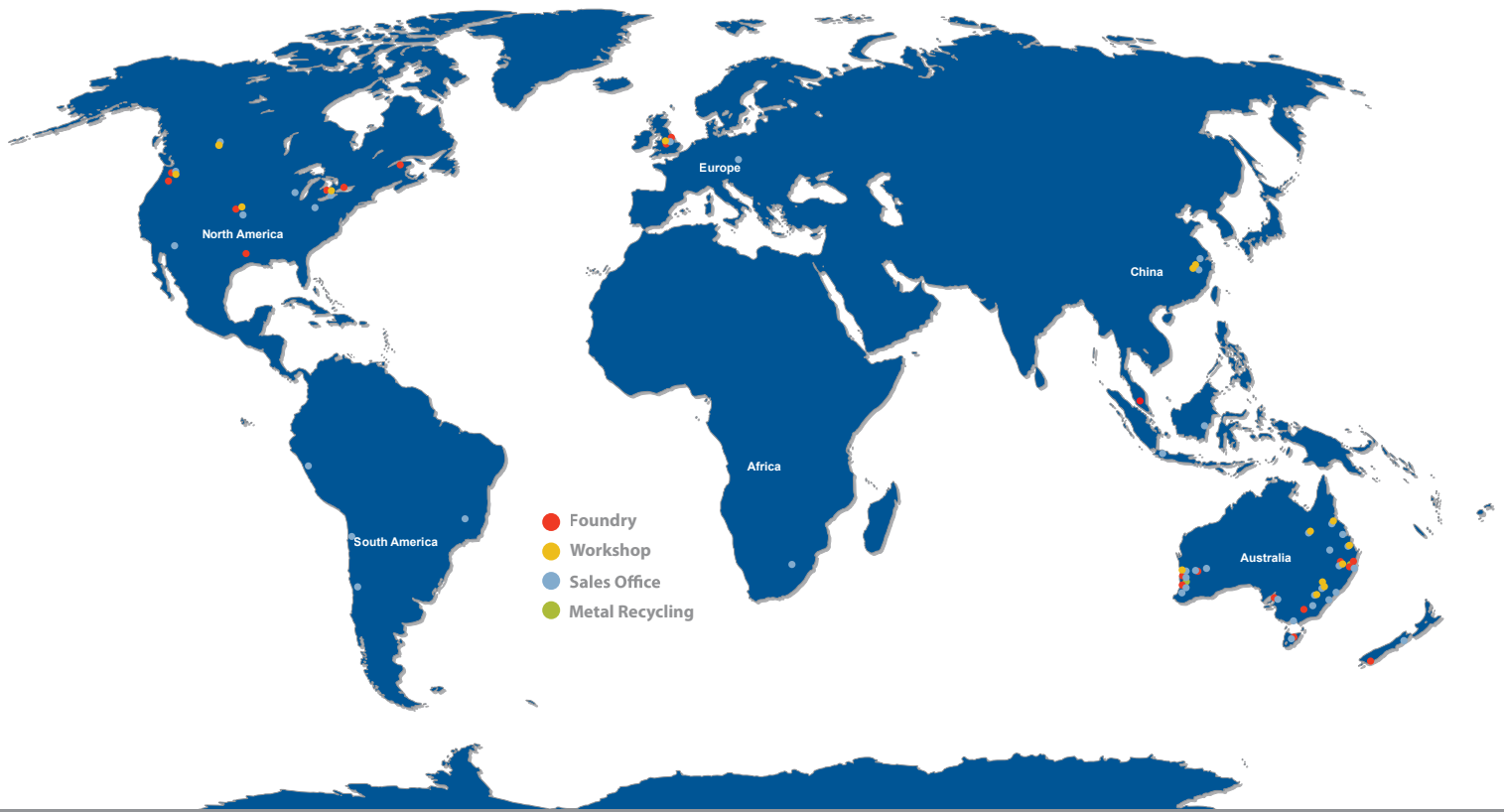
Cast Corner Shroud



Cast Centre Shroud

Features	Advantages	Benefits
Slim profile	Improved penetration	Reduced tyre and fuel costs
Tear drop design	Improves clean up ability	Increase in production
Wear indicators	Identifies when scheduled change-outs are required	Reduced maintenance costs Reduced machine downtime
No top leg	Eliminates material hang-up and carry back	Increase in production
True continuous edge	Reduces lip wash Clean flush floor operation Reduced tyre maintenance costs	Increase in production Reduced maintenance costs

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SANDVIK is a ® trademark of Sandvik AB of Sweden



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