



Product Catalogue

Safety | Operation | Maintenance

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Designed to simplify front strut replacement while improving safety and reducing downtime



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About HNA Group

Australian-owned mining solutions provider specialising in the design, manufacture and supply of engineered safety systems, maintenance tooling and diagnostic solutions





—• Strut Handling Tool —

Product Code
30001

Category
Maintenance Tooling & Safety Solutions

THE CHALLENGE

Front strut replacement on haul trucks traditionally requires cranes, multiple lifting devices and personnel working around suspended loads. These activities increase maintenance complexity, safety risks and equipment downtime.

THE HNA SOLUTION

The HNA Strut Handling Tool provides a safe and controlled method for removing and installing front strut assemblies using a 16T forklift and remote-controlled hydraulic movements. The system eliminates the need for overhead cranes while improving safety, efficiency and repeatability.

APPLICATIONS

CAT 777, CAT 785, CAT 789, CAT 793

TECHNICAL DATA

Item	Specification
Power Supply	24V DC
Control System	Wireless Remote
Charging	Solar & 240V
Forklift Requirement	16T Minimum
Compliance	Australian Standards & RS23 Aligned

SAFE. CONTROLLED. REPEATABLE.

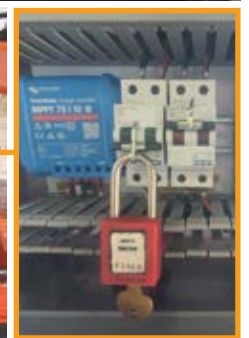
Designed to simplify front strut replacement while improving safety and reducing downtime.

KEY BENEFITS

- ✓ Reduces maintenance downtime
- ✓ Eliminates overhead crane requirements
- ✓ Reduces exposure to suspended loads
- ✓ Remote-controlled operation
- ✓ Supports RS23 risk reduction strategies
- ✓ Improves maintenance efficiency
- ✓ Repeatable installation process
- ✓ Australian designed and manufactured

KEY FEATURES

- 24V DC electric-over-hydraulic system
- Wireless remote control
- Four-way controlled movement
- Hydraulic rotation function
- Solar charging capability
- Purpose-built transport frame
- Integrated lockout isolation
- Australian Standards compliant





— Custom Velcro Burst Sleeving Kits

Category

Hydraulic Safety & Risk Reduction

THE CHALLENGE

Hydraulic hose failures can result in high-pressure fluid injection injuries, atomised oil spray, fire hazards and costly equipment downtime. While hydraulic systems cannot always be eliminated or substituted, critical risks can be reduced through engineered controls.

THE HNA SOLUTION

HNA Custom Velcro Burst Sleeving Kits provide a practical engineered control designed to contain hydraulic leaks, reduce fluid spray and improve personnel protection in high-risk hydraulic circuits. Each kit is custom designed to suit specific machine applications and supplied with OEM-referenced identification for simplified installation and maintenance.

APPLICATIONS

Fixed Plant, Heavy Mobile Equipment, Construction, Agriculture

TECHNICAL DATA

Item	Specification
Design Options	Full Sleeve / Split Velcro
Identification	OEM Referenced
Installation	No Hose Removal Required*
Application	Mobile & Fixed Plant
Compliance	RS23 / MDG41
Configuration	Circuit Specific Kits

*Applicable to split Velcro sleeve configurations.

ENGINEERED PROTECTION FOR CRITICAL HYDRAULIC CIRCUITS

Custom designed hydraulic protection systems that improve safety, reduce installation time and support critical risk management programs.

KEY BENEFITS

- ✓ Supports RS23 risk reduction strategies
- ✓ Reduces exposure to hydraulic spray hazards
- ✓ Minimises contamination during installation
- ✓ Circuit-specific protection where it matters most
- ✓ Reduces maintenance labour requirements
- ✓ OEM-referenced identification system
- ✓ Available in full sleeve or split Velcro configurations
- ✓ Australian mining industry proven

KEY FEATURES

- Custom circuit-specific kits
- Burst Sleeving rated to 10,600PSI / 800 BAR
- Split & Velcro sleeve design
- Full sleeve options available
- OEM hose part number identification
- Sewn-in fastening system
- Easy inspection and replacement
- Suitable for mobile and fixed plant applications





Hydraulic Tooling Covers

Category

Hydraulic Safety & Risk Reduction

THE CHALLENGE

Hydraulic tooling, test gauges and high-pressure connection points expose maintainers to fluid injection hazards, hose failures and uncontrolled fluid release during testing and maintenance activities. These risks are commonly encountered during hydraulic troubleshooting, pressure testing and component change-outs.

THE HNA SOLUTION

HNA Hydraulic Tooling Covers provide an engineered barrier between personnel and high-pressure hydraulic components. Designed to encapsulate hoses, swivels, gauges and connection points, the system assists in containing fluid spray while reducing exposure to potential hydraulic hazards during maintenance and testing activities.

APPLICATIONS

Hydraulic Torque Tools, Hydraulic Cylinders, Grease Guns, Pressure Test Equipment, Hydraulic Gauges, Maintenance Workshops

TECHNICAL DATA

Item	Specification
Material	Densely Woven Polyamide
Fastening System	Velcro & Camlock
Compliance	RS23 / MDG41 Aligned
Configuration	Custom Manufactured
Application	Hydraulic Tooling & Test Equipment
Construction	FRAS Compliant

KEY BENEFITS

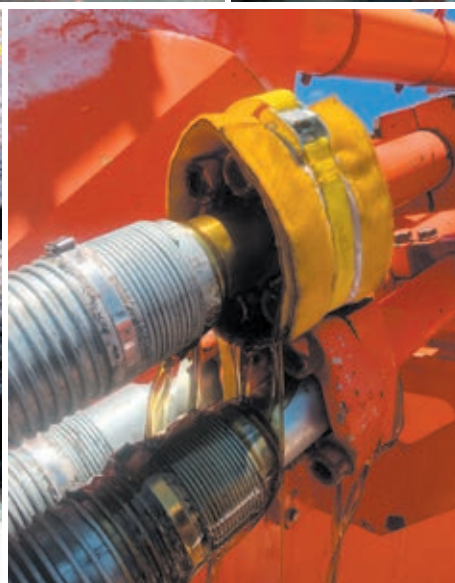
- ✓ Reduces fluid injection exposure risks
- ✓ Encases high-pressure connection points
- ✓ Supports RS23 and MDG41 objectives
- ✓ Improves maintenance safety
- ✓ Easy installation and removal
- ✓ Custom manufactured to suit your application

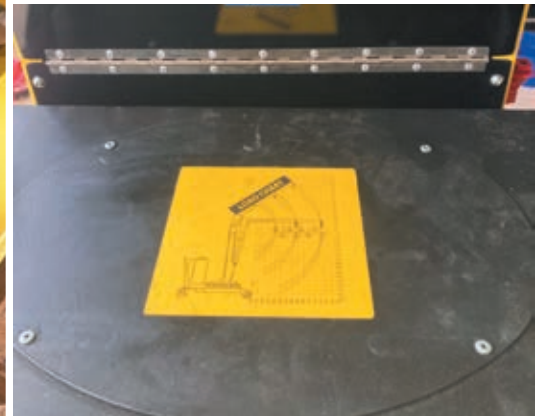
KEY FEATURES

- Heavy-duty burst protection rated to 10,600PSI / 800 BAR
- Split Velcro design for rapid installation
- Camlock retention system
- FRAS compliant materials
- Pin-hole protection to 800 bar
- Custom sizing available
- Washable and reusable construction

PROTECTING MAINTAINERS FROM HIGH-PRESSURE HYDRAULIC HAZARDS

Custom-engineered hydraulic tooling protection designed to improve safety during testing, troubleshooting and maintenance activities.





— 01B2 Battery Powered Swivel Crane

Product Code
HNA-01B2

Category
Lifting & Maintenance Equipment

THE CHALLENGE

Maintenance teams regularly need to lift and position components in confined areas within machinery throughout workshops where traditional lifting equipment can be difficult to manoeuvre, time-consuming to set up or unsuitable for the task.

THE HNA SOLUTION

The HNA 01B2 Battery Powered Swivel Crane provides a compact, mobile lifting solution designed for safe and efficient handling of loads up to 200kg. Featuring battery-powered lifting, 360° swivel rotation and a compact footprint, the crane allows maintenance personnel to position loads precisely while reducing manual handling risks.

APPLICATIONS

Maintenance Workshops, Component Change-Outs, Battery Handling, Pump & Motor Maintenance, Mobile Plant Workshops, General Lifting Activities

TECHNICAL DATA

Item	Specification
Capacity	200kg
Rotation	360° Swivel
Rotation Locking	Every 30°
Power Source	Battery Powered
Jib Extension	4 Position Adjustable
Maximum Reach	2050mm
Compliance	Australian Standards

KEY BENEFITS

- ✓ Reduces manual handling risks
- ✓ Compact design for confined work areas
- ✓ Battery-powered lifting operation
- ✓ 360° swivel rotation
- ✓ Precise load positioning
- ✓ Australian Standards compliant
- ✓ Easy workshop and site mobility
- ✓ Suitable for a wide range of maintenance activities

KEY FEATURES

- 200kg lifting capacity
- Battery-powered hydraulic operation
- 360° swivel rotation
- Lockable rotation positions
- Adjustable lifting speed
- Extendable jib with multiple positions
- Emergency stop functionality
- Integrated overload protection
- Forklift transport points
- Multifunction battery display

COMPACT. MOBILE. PRECISE.

A battery-powered lifting solution designed to improve safety, reduce manual handling and provide precise load positioning in maintenance environments.





—• Tyre Handler Ptz Camera System —

Product Code
TH-PTZ

Category
Remote Inspection & Safety Systems

THE CHALLENGE

Tyre handler operators often have limited visibility of the tyre manipulator and wheel assembly during tyre fitting and bead-breaking activities. This can result in personnel entering the line of fire to provide guidance, increasing exposure to potential hazards during critical maintenance tasks.

THE HNA SOLUTION

The HNA Tyre Handler PTZ Camera System provides operators with a clear, real-time view of the tyre manipulator and wheel assembly from the safety of the cab. Featuring Pan, Tilt and Zoom functionality, the system improves visibility, reduces reliance on spotters and assists operators with precise positioning during tyre maintenance activities.

APPLICATIONS

Tyre Handlers, OTR Tyre Bays, Wheel Change Activities, Bead Breaking Operations, Surface Mining Operations

TECHNICAL DATA

Item	Specification
Camera Type	PTZ Camera
Functions	Pan / Tilt / Zoom
Vision	Infrared Capability
Mounting	Magnetic Base
Controls	Joystick Operated
Power Supply	24V Machine Supply
Environment	Mining Duty

KEY BENEFITS

- ✓ Reduces personnel exposure to line-of-fire hazards
- ✓ Improves operator visibility during tyre fitting
- ✓ Reduces reliance on spotters
- ✓ Assists with bead-breaking operations
- ✓ Improves positioning accuracy
- ✓ Designed for harsh mining environments
- ✓ Easy installation and operation
- ✓ Mine site proven technology

KEY FEATURES

- Pan, Tilt & Zoom camera functionality
- Infrared night vision capability
- In-cab monitor and joystick control
- Magnetic mounting system
- Vibration dampened camera assembly
- Water and dust resistant design
- Heavy-duty braided harness
- Deutsch connector integration
- Plug-and-play operation

SEE MORE. EXPOSE LESS.

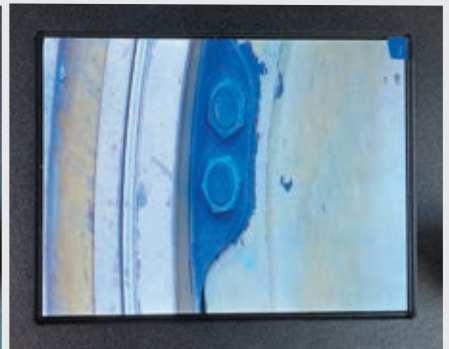
A purpose-built camera system designed to improve visibility, reduce line-of-fire exposure and enhance safety during tyre maintenance activities.



Standard vision looking at the truck parked 8 Metres in front of the tyre handler.



Tyre handler still in the same position with half zoom activated on the truck 8 Metres away.



Tyre Handler still in exactly the same position, this time with full zoom activated and truck still at 8 Metres away.



— Komatsu 930E Steering Filter & Hydraulic Tank Plate Tool —

Product Code
20205

Category

Maintenance Tooling & Safety Solutions

THE CHALLENGE

Removal and installation of steering filters and hydraulic tank plates on Komatsu 930E haul trucks can expose maintainers to manual handling risks, awkward working positions and alignment difficulties. These activities often require personnel to support component weight while attempting to achieve precise installation alignment.

THE HNA SOLUTION

The HNA Komatsu 930E Steering Filter & Hydraulic Tank Plate Tool provides a controlled and repeatable method for supporting, positioning and installing steering filters and hydraulic tank plates. Utilising an interchangeable tooling system and hydraulic jack base, the tool improves component alignment while reducing manual handling exposure.

APPLICATIONS

Komatsu Haul Trucks, Steering Filter Maintenance, Hydraulic Tank Plate Removal, Shutdown Activities, Heavy Vehicle Workshops

TECHNICAL DATA

Item	Specification
Application	Komatsu 930E
Tooling System	Interchangeable
Alignment System	Spring Loaded
Operation	Hydraulic Jack Assisted
Construction	Heavy Duty Steel
Compliance	AS3990 & RPEQ Certified

KEY BENEFITS

- ✓ Reduces manual handling risks
- ✓ Minimises pinch point exposure
- ✓ Improves installation alignment
- ✓ Supports component weight during maintenance
- ✓ Reduces maintenance time
- ✓ Interchangeable tooling system
- ✓ Workshop and field service ready
- ✓ Australian designed and manufactured

KEY FEATURES

- Interchangeable tooling heads
- Common hydraulic jack platform
- Spring-loaded alignment system
- Foot-operated hydraulic jack
- Controlled component positioning
- Stable multi-leg base
- Heavy-duty fabricated construction
- Compact and mobile design

CONTROLLED HANDLING. PRECISE ALIGNMENT.

Purpose-built maintenance tooling designed to improve safety, reduce manual handling and simplify servicing of Komatsu 930E steering filters and hydraulic tank plates.



The two spring-loaded handles allow the canister to move vertically and side-to-side.





— Komatsu Park Brake Depth Gauge

Product Code
ELW-0041H

Category
Inspection & Diagnostic Tooling

THE CHALLENGE

Traditional park brake inspections require maintainers to enter confined and restricted work areas to obtain brake wear measurements. This can expose personnel to awkward working positions, poor visibility and unnecessary time within the hazard zone.

THE HNA SOLUTION

The HNA Park Brake Depth Gauge allows accurate brake wear measurements to be collected while personnel remain outside the brake housing. Using Bluetooth-enabled digital measurement technology, readings can be viewed and recorded in real time on a mobile device, improving both safety and inspection consistency.

APPLICATIONS

Komatsu 930E, Komatsu 960E, Komatsu 980E, Brake Wear Inspections, Planned Maintenance Activities

TECHNICAL DATA

Item	Specification
Measurement Type	Digital Depth Measurement
Data Display	Bluetooth Enabled
Mounting System	Magnetic Feet
Construction	Carbon Fibre Pole
Storage	Hard Protective Case with in built charging
Application	Komatsu Haul Trucks

MEASURE SAFELY. INSPECT ACCURATELY.

A purpose-built inspection tool designed to reduce personnel exposure while delivering accurate and repeatable park brake wear measurements.

KEY BENEFITS

- ✓ Eliminates personnel exposure to confined space during inspections
- ✓ Minimises time spent in restricted work areas
- ✓ Improves visibility and measurement accuracy
- ✓ Bluetooth-enabled digital readings - Free downloadable app
- ✓ Supports safer maintenance practices
- ✓ Standardises inspection methodology
- ✓ Faster inspection process
- ✓ Digital data collection capability

KEY FEATURES

- Bluetooth digital indicator
- Live readings displayed on mobile devices
- Real-time measurement recording
- Carbon fibre extension pole
- Magnetic mounting system
- Hard protective charging case
- Accurate and repeatable measurements
- Purpose-built for mining environments





→ 24V DC Power Module

Product Code
HNA-FP-24

Category
Elimination of Live Work (ELW)

THE CHALLENGE

Troubleshooting and testing electrical and hydraulic components often requires equipment to be energised, exposing maintainers to unnecessary risks during diagnostic and maintenance activities. Live testing can increase personnel exposure while complicating fault-finding tasks.

THE HNA SOLUTION

The HNA 24V DC Power Module provides a portable power source that allows technicians to safely power and test components while the machine remains isolated. Designed for workshop and field use, the system supports safer fault-finding, commissioning and maintenance activities without requiring machine power.

APPLICATIONS

Fuel Priming Pumps, Solenoids, Lighting Circuits, Hydraulic Controls, Electrical Diagnostics, Workshop & Field Maintenance

TECHNICAL DATA

Item	Specification
Output Voltage	24V DC
Power Source	Milwaukee M12 Batteries
Circuit Protection	10A Resettable Breaker
Connections	2 Pin & 3 Pin
Mounting	Magnetic & Strap Mounting
Lighting	Integrated LED Work Light

KEY BENEFITS

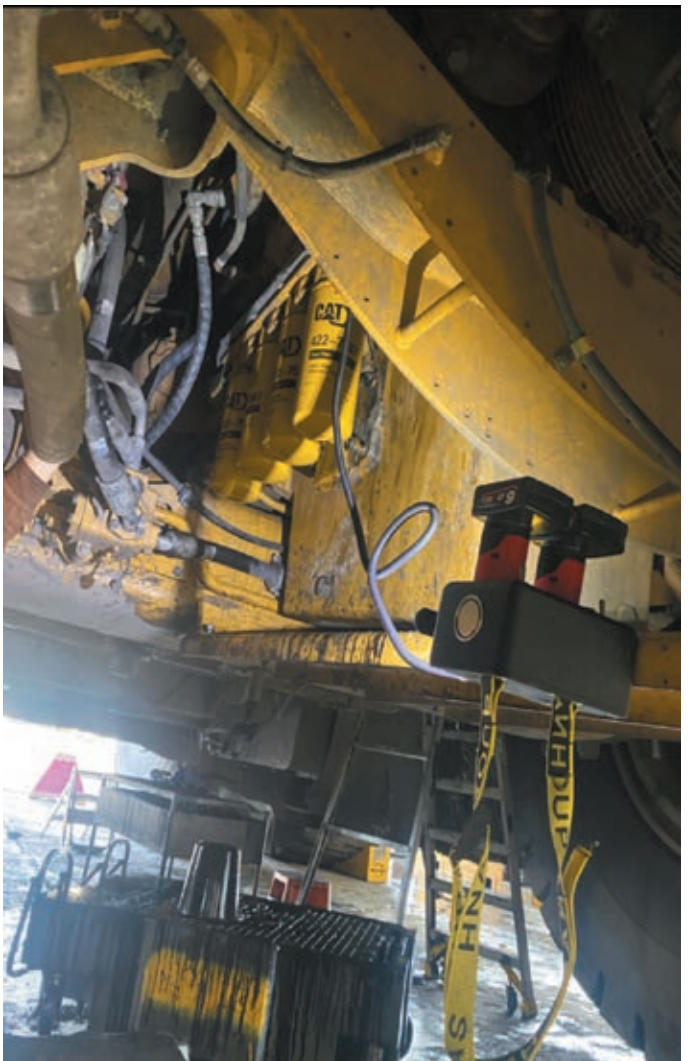
- ✓ Supports elimination of live work activities
- ✓ Allows testing while equipment remains isolated
- ✓ Improves fault-finding efficiency
- ✓ Reduces personnel exposure
- ✓ Portable and easy to deploy
- ✓ Hands-free operation capability
- ✓ Workshop and field service ready
- ✓ Mine site proven design

KEY FEATURES

- Powered by Milwaukee M12 batteries
- 24V DC output
- 2-pin and 3-pin harness connections
- 10A resettable circuit breaker
- Integrated LED work light
- Magnetic mounting system
- Heavy-duty braided harness
- Sealed switches and pilot light
- Compact and portable design

SAFELY POWER. TEST. VERIFY.

A portable 24V power solution designed to support safer diagnostics, fault-finding and maintenance activities while equipment remains isolated.





FOR SALE / HIRE

Wireless Diagnostic Tooling

Product Code
HNA-ELW-TOOLING

Category
Elimination of Live Work (ELW)

THE CHALLENGE

Traditional diagnostic testing often requires personnel to work in close proximity to live equipment while collecting pressure, movement, temperature and rotational data. Hard-wired instrumentation can increase exposure to hazards, create trip hazards and reduce testing efficiency.

THE HNA SOLUTION

The Wireless Diagnostic Tooling Kit enables technicians to remotely monitor machine condition using Bluetooth-enabled sensors and real-time data collection software. Pressure, displacement and rotational measurements can be viewed and recorded from a safe distance, helping reduce exposure while improving diagnostic accuracy.

APPLICATIONS

Hydraulic Diagnostics, Steering System Testing, Suspension Analysis, Drive System Testing, Live Machine Monitoring, Condition Monitoring Programs

TECHNICAL DATA

Item	Specification
Communication	Bluetooth
Data Display	Phone, Tablet or PC
Software	MultiGage Platform - Free App
Sensor Types	Pressure, Movement & RPM
Data Logging	Real-Time Recording
Configuration	Customisable Kits

KEY BENEFITS

- ✓ Supports elimination of live work activities
- ✓ Removes personnel from the line of fire
- ✓ Real-time wireless data collection
- ✓ Improves diagnostic accuracy
- ✓ Reduces troubleshooting time
- ✓ Multiple sensors monitored simultaneously
- ✓ Digital recording and reporting capability
- ✓ Mine site proven technology

KEY FEATURES

- Bluetooth pressure transducers
- Bluetooth dial indicators
- Bluetooth tachometers
- Multi-device compatibility
- Real-time data monitoring
- Wireless data logging
- MultiGage software integration - Free App
- Portable charging hard case system
- Custom kit configurations available

GET OUT OF THE LINE OF FIRE.

Wireless diagnostic technology designed to improve safety, increase diagnostic accuracy and support modern elimination of live work strategies.



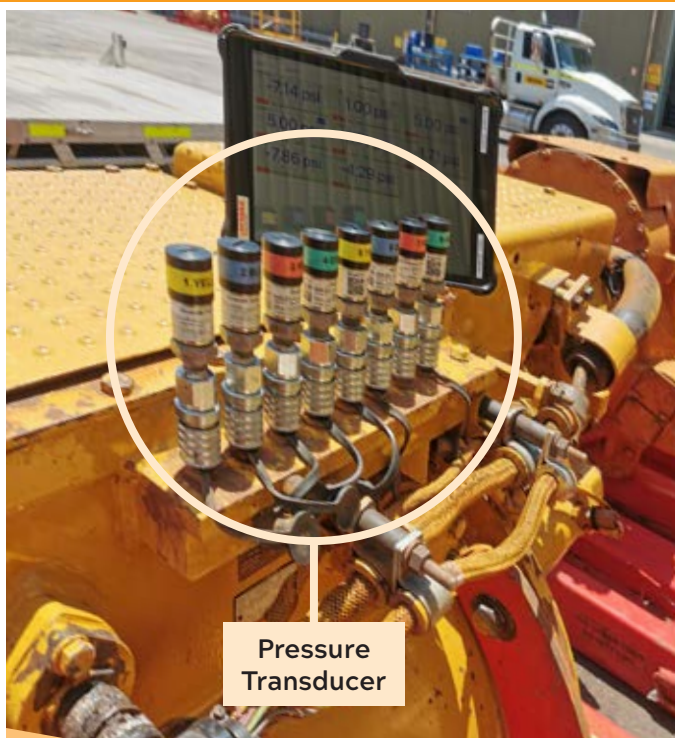
WHAT'S INCLUDED IN THE ELW-0008 KIT

- **BlueDial** - Bluetooth wireless dial indicator
- **4 × BluePSI** - wireless pressure transducers
- **BlueTak** - wireless tachometer
- **BlueLaser** - Bluetooth laser distance measure
- **iPad** with MultiGage software installed
- Magnetic bases and mounts
- Charging cable set
- Rugged ELW-0008 field case
- Documentation & job templates
- Quick-start guide

Trusted Blue Tooth measuring devices for Mining, Construction, Oil & Gas Industries

WHY HIRE THIS KIT?

- No capital outlay for specialist tooling
- Avoid ongoing ownership and calibration costs
- Cost-effective for shutdowns, projects, and short-term needs





Company Overview

HNA Group is an Australian-owned mining solutions provider specialising in the design, manufacture and supply of engineered safety systems, maintenance tooling and diagnostic solutions for the mining, resources and heavy industry sectors.

Based in Mackay, Queensland, HNA Group works closely with mine operators, OEMs and maintenance providers to develop practical solutions that reduce personnel exposure, improve maintenance efficiency and support critical risk management programs.

Our products are designed by maintenance professionals, for maintenance professionals, delivering real-world solutions to real-world maintenance challenges.

Our Mission

To develop innovative engineering solutions that reduce risk, improve maintenance outcomes and help industry keep personnel out of harm's way.

Core Capability Areas

- Safety Innovation
- Maintenance Tooling
- Hydraulic Protection Systems
- Elimination of Live Work Solutions
- Remote Inspection Technology
- Engineering & Design
- Custom Manufacturing
- Site-Based Problem Solving

WHY HNA Group?



Designed for Mining

Every HNA product is developed specifically for the mining and heavy maintenance environment.



Australian Designed & Manufactured

Proudly Australian-owned, with products developed and supported from Mackay, Queensland.



Safety Driven

Our solutions are engineered to support critical risk reduction and exposure minimisation.



Maintenance Focused

Developed by maintenance personnel who understand the practical challenges faced on site.



Custom Solutions

We work directly with clients to design and manufacture site-specific solutions for unique maintenance challenges.

What We Do...

Critical Risk Reduction

We develop engineered solutions that help organisations reduce exposure to:

- Line of Fire Hazards
- Live Work Activities
- Manual Handling Risks
- Hydraulic Injection Hazards
- Suspended Load Exposure
- Confined Inspection Activities
- High-Risk Maintenance Tasks

Maintenance Tooling

Purpose-built tooling designed to improve safety, efficiency and repeatability.

Key Solutions:

- Strut Handling Tools
- Komatsu 930E Maintenance Tooling
- Park Brake Depth Gauges
- Battery Powered Swivel Cranes
- Custom Engineered Maintenance Tooling

Elimination of Live Work (ELW)

Wireless technologies and diagnostic solutions designed to remove personnel from hazardous testing environments.

Key Solutions:

- Wireless Diagnostic Tooling
- Bluetooth Pressure Monitoring
- Wireless Dial Indicators
- Wireless Tachometers
- 24V DC Power Modules

Hydraulic Safety Solutions

Engineered systems designed to reduce hydraulic risk and improve compliance.

Key Solutions:

- Custom Burst Sleeving Kits
- Hydraulic Tooling Covers
- Gauge Covers
- HNA Bands
- Fire Sleeve Systems

Remote Inspection Systems

Camera systems designed to improve visibility while reducing personnel exposure.

Key Solutions:

- PTZ Camera Systems
- Tyre Handler Camera Systems
- Remote Monitoring Systems
- Custom Inspection Solutions

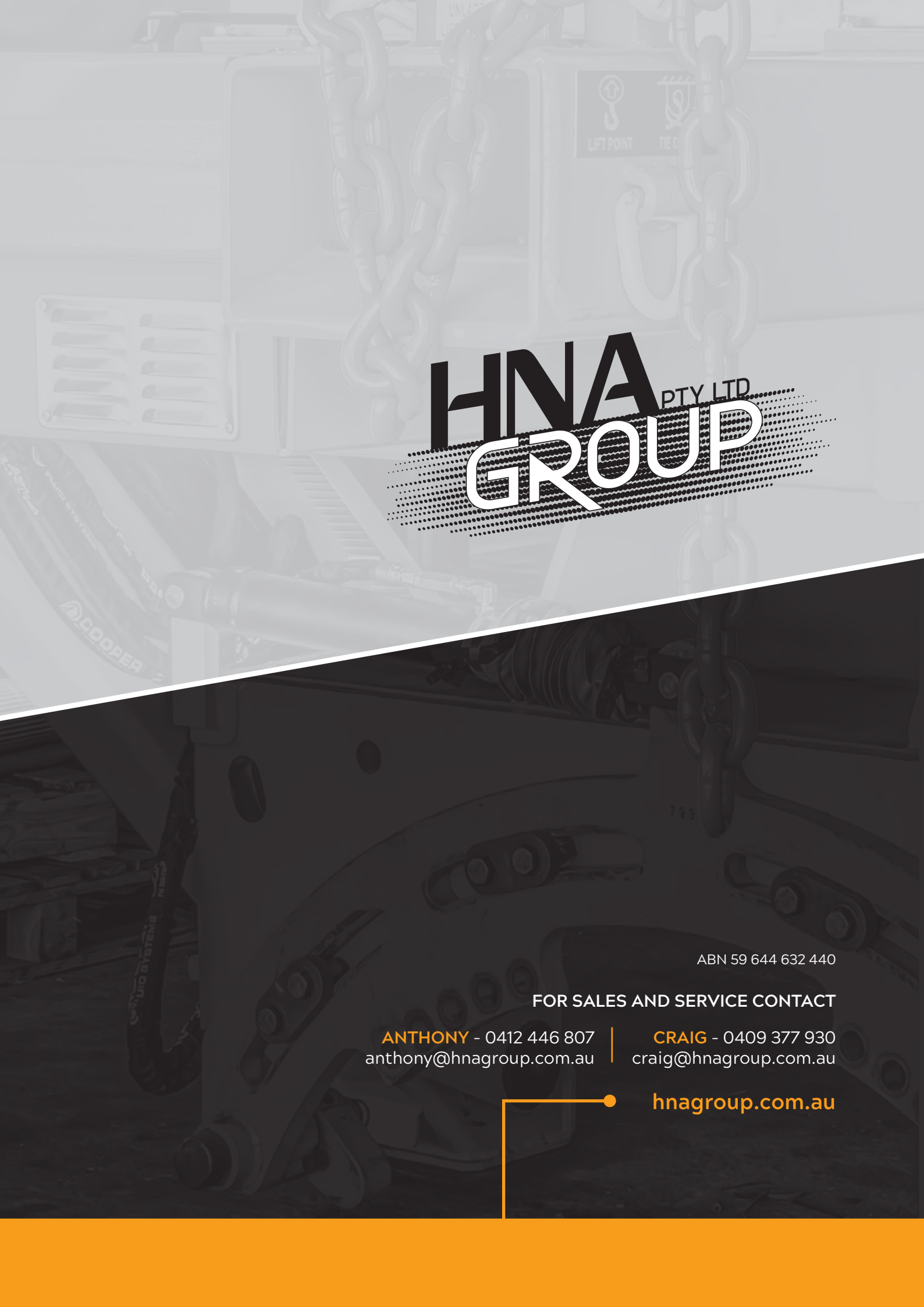


Trusted By Industry

HNA solutions are utilised across major mining operations and contractors throughout Australia, supporting safer maintenance practices and improved operational efficiency.

Including operations associated with:





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