



# WORKSHOP LIFTING & HANDLING SOLUTIONS



# PROUDLY SUPPORTING AUSTRALIA'S TRANSPORT MARKET

Providing the Australian market with the only domestically made heavy vehicle hoist, Endurequip has a long history of designing, constructing and delivering hoist and workshop lifting solutions to clients in the heavy vehicle, public transport, logistics, mining and rail industries.

For more than three decades, Endurequip has put safety and reliability at the core of its practice, becoming the brand that Australians trust to provide heavy vehicle lifting solutions. These underlying principles are still key to Endurequip's identity and form the foundation of Endurequip's product range and commitment to an incredible customer service experience.



## STRONGER TOGETHER

Since 2015, Endurequip has been part of RUD Australia, a leading manufacturer and supplier of round steel link chain solutions and engineered lifting systems. A subsidiary of the RUD Group, the RUD story began almost a century and a half ago in 1875 in Germany and 1984 in Australia.

Since then, the business has grown to become a major figure in the global and local market, expanding lifting and maintenance capabilities for clients, reducing downtime, minimising risk and increasing productivity.



## CONCEPT TO COMPLETION

RUD provides tailored solutions for clients, meeting the developing needs of customers across transport, logistics and materials handling industries. Our in-house team of highly qualified engineers work from concept to completion, taking the requirements of our customers and developing these into fully realised bespoke solutions.

## A COMMITMENT TO QUALITY

Our range of workshop lifting and handling are the result of rigorous process.

This is managed at our 6000m<sup>2</sup> manufacturing facility, where we craft a range of solutions, each of which adheres to high Australian and International standards of performance, safety and reliability.



## NATIONWIDE SERVICE AND SUPPORT

Endurequip's solutions are supported by our national network of authorised service agents. No matter where you are located in Australia, our trained technicians can reach your site without delay, helping to ensure that the workshop solution performs at its best for longer.

**A full list of Endurequip service technicians can be found at [endurequip.com.au](https://endurequip.com.au).**



Endurequip and RUD's 6000m<sup>2</sup> engineering and manufacturing facility located in Brisbane, QLD

# THE PORTALIFT: THE ONLY AUSTRALIAN-MADE HEAVY VEHICLE HOIST

The Portalift is Endurequip's highly capable, highly reliable heavy vehicle hoist. Designed to make heavy vehicle maintenance safe and convenient, the Portalift is the go-to for Australian transport companies, logistics providers, military divisions, and other organisations that need to maintain and repair heavy-duty vehicles.

## HIGH CAPACITY, HIGH RELIABILITY



The Portalift hoist is suitable for use with a range of different vehicles, from public transport and military vehicles through to rail and special vehicles. Each hoist is capable of successfully lifting loads up to 7.5 tonnes. Combining posts in combinations of 4, 6, 8 and even 10 allows the system to lift up to 75 tonnes with complete reliability.

## PROUDLY AUSTRALIAN



All of the solutions in the Endurequip range are Australian made. This means the team controls the complete design, manufacturing and commissioning process, ensuring quality at every stage.

## SAFETY AT EVERY TURN



Endurequip puts safety first every step of the way. Adhering to Australian standards, 2550.9.1996, AS/NZS 2538:2004 and ISO9001, the Portalift features emergency stops, remote control pendant operation, a keyed safety lock, providing peace of mind for all operators.

## COMPLETE UNDERBODY ACCESS



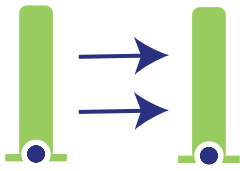
Unrestricted underbody access, adjustable height, simple single man operation means that you get a quicker turnaround without delays. Rated at IP65 the Portalift is also water resistant and dustproof allowing for regular cleaning of your fleet without risk of damage.

## RUD CHAIN DRIVING QUALITY



The RUD German made calibrated chain and pocket wheel as part of the unique chain drive system make the Portalift the safest most reliable hoist in the market.

## FULLY PORTABLE



As the Portalift name suggests, this vehicle hoist is a convenient and flexible solution. These posts can be positioned and then moved wherever they are needed, making moving in and out of washbays and over dunnage easier due to the pneumatic wheels. Locking mechanisms are then used to provide a solid platform for the hoists as they are deployed, maximising portability without compromising on safety.

## LIFETIME WARRANTY AND FULL SUPPORT



Endurequip provides industry-leading levels of after-sales care and support to users of the Portalift. A structural lifetime manufacturer's warranty peace of mind following purchase, while ongoing on-site service and local support via our national authorised repairers ensure that customers get the very best from their equipment.

## ENDUREQUIP'S INDUSTRIES



**Truck**

Suitable for indoor or outdoor use and with an IP65 rating, Portalift is flexible and rugged enough to get the job done, keeping your rigs on the road.



**Bus**

Ideal for the busiest bus depots, the Portalifts are dust and water resistant and can be used to regularly maintain and clean your fleet.



**Rail**

Portalift Hoists and rail solutions are a must-have for the rail industry. Our carefully engineered designs make working within railway yards far more efficient and productive.



**Waste Management**

Endurequip solutions are economically priced and built to last, meaning you won't be investing in excessive maintenance equipment and replacement assets.



**Defence**

Built to last in the harshest of conditions, Endurequip's Portalifts are the only heavy vehicle hoist trusted by the Australian Defence Force.

# PORTALIFT: GETTING THE JOB DONE



## SPECIFICATIONS: RUD075-1600

Lifting System	Electro-Mechanical
Lifting Capacity Per Hoist	7.5 Tonnes (15t per axle)
Maximum Lifting Capacity-4 Hoists	30 Tonnes
Maximum Lifting Capacity-6 Hoists	45 Tonnes
Maximum Lifting Capacity-8 Hoists	60 Tonnes
Maximum Lifting Capacity-10 Hoists	75 Tonnes
Maximum Lifting Height	1600 mm
Lifting/Lowering Time	2 Minutes 25 Seconds
Tyre Size and Type	4.80/400 8 4 ply rating pneumatic
Wheel Fork Capacity	All current bus, coach and truck tyres
Small Wheel Adaptors	575mm to 775 mm
Column Length, Including Steering Wheel	1390 mm
Column Width	1072 mm
Column Height	2480mm
Power Requirements:	3 Phase, 20 Amp or 32 Amp









# HOIST PARTS AND ACCESSORIES

## Cable Management System (CMS)

- Application
- Integrated 3-pin system to manage the cables in the workshop.
  - Cables are the most reliable solution for every workshop and cheapest with regards to operational costs. No battery replacement, no downtime related to uncharged power supply.
  - With the CMS, cables are off the ground, raised to a safe working height.
  - The system can be integrated on existing and new Portalift hoist designs.



## Small Wheel Adaptors



Application Small Wheel Adaptors (SWA's) are available to allow for the lifting of smaller wheeled vehicles. The adaptors enable the hoist to be used in servicing some cars, commercial vehicles and mini buses.

Endurequip's SWA's are fixed and solid with less room for operator error, providing additional safety.

The adaptors slip over the lifting carriage and fit wheel sizes from 575mm to 775mm (minimum of 15" rim/wheel size).

Capacity: 2t (when used as a pair)

TARE: 10kg

## Hoist and Gearbox Covers



Application Covers designed specifically for the Portalift Hoists to protect motor, gearbox and post from the elements.

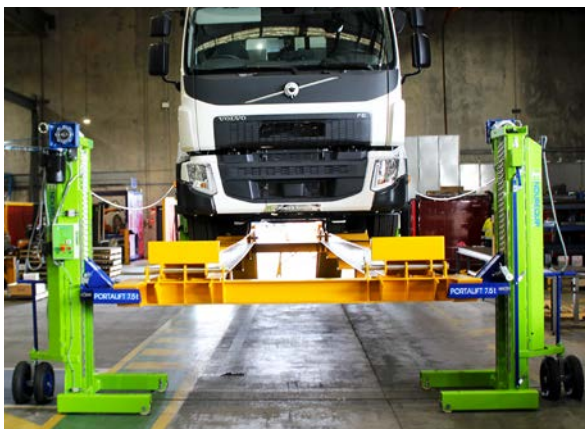
Made from Durable PVC Rip resistant fabric.



# VEHICLE RAMPS & EQUIPMENT

## Drive on/off Ramps

Application	Drive on/off ramps reducing your vehicle turn around time in the workshop.
Benefits	<ul style="list-style-type: none"><li>• Less time lost for clients and workshop means the vehicle is quicker back on the road generating revenue.</li><li>• Increasing efficiency of workshop floor and processes. No positioning adjustments required for different vehicles.</li><li>• Safety: Less manual interaction on the workflow, creating an old style pit situation without the safety risks of pit systems. All above ground.</li><li>• ROI of the workshop: Paid back in less than 2 years with the efficiencies gained from using a ramp.</li><li>• Possible integration of rails to support clients' hydraulic jack.</li></ul>
Capacity:	Premium Ramp: 20t 10 metre length Standard Ramp: 14t 8 metre length



## Vehicle Stands - Tall & Short stands - 7.5 tonnes

**Application** Support the vehicle at set height resulting in flexible work arrangements when combining this equipment with the Endurequip hoists:

- Extra safety for longer maintenance tasks.
- Vehicle on stands means that the hoists can be used to lift different vehicles - freeing up workshop equipment.

**Benefits**

- Better access to wheel and tyre assemblies.
- Chamfered head for easy placement under vehicle access.
- Incremental adjustments locked by safety pin to adjust to the right height.
- Spring loaded inner sleeve to reduce manual handling load.

Description	Small Stand	Tall Stand
Minimum Height	660 mm	1200 mm
Maximum Height	916 mm	1778 mm
Incremental adjustments (Hole positions)	50 mm	57.5 mm
Weight	33 Kg	63 Kg
Capacity	7.5 t	7.5 t



## Vehicle Stands - Custom Design

**Application** Custom stands designed and manufactured to suit all applications.

- Different height, weight and applications.
- Adjustable screw heads for smaller adjustments.

**Benefits** 100% custom designed, manufactured and load tested in Brisbane.



## A-Frame Trailer Adaptor

**Application** Optimise the workshop with lifting trailers while using the Portalift vehicle hoists.

**Technical Specifications** Dimensions made as per standard layout of trailers. Rated to 12t lifting capacity.

**Benefits** Safe, no special additional adaptors required.

WLL	Weight (kg)	Width (mm)	Height (mm)	Depth (mm)	Pin size (mm)
12t	308.8	2385 (outside) 1785 (inside)	1063	940	As per customer requirement





# ENGINEERED SOLUTIONS

## Mobile Gantry Frame

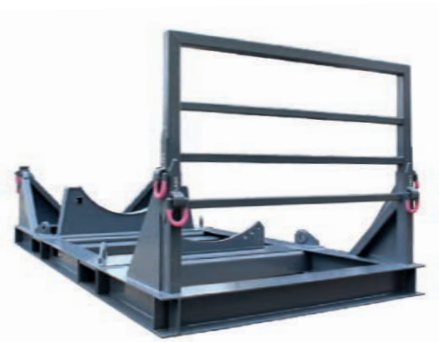
Application	Versatile lifting gantry for the workshop. Lift engine components and gearboxes without the use of pit jacks or large overhanging cranes.
Benefits	<ul style="list-style-type: none"><li>• Mobile in the workshop, not fixed to 1 specific bay.</li><li>• Can be used indoor and outdoor.</li><li>• Quick ROI versus installation of full workshop gantry cranes.</li></ul>



Model	Height	Length	Width
2t mobile gantry	4.7m (Ground level to the tip of the Girder Trolley)	3.8m (Termination points of Girder Trolley Maximum travel is 3390mm)	2.5m Width (Base I-Beam of the A-Frame)
500kg mobile gantry	3m	2m	1.5m Width Additional sizes and requests on POA Manual or electric hoist can be integrated in the solution

## Transport Frames

Application	Safe transport of goods to and from workshop.
Technical Specifications	Made to customer requirements.



## Safe Work Platforms

Application	Safe working at height in the workshop. Access air-conditioning devices as well as battery power packs located in the roof area of buses and trucks. Custom designed for the application.
Technical Specifications	As per customer requirements.
Benefits	Safe working at heights.



ENGINEERED SOLUTIONS



## Rated Workshop Trestles

- Application
- Customised workshop trestles for specific applications.
  - Height adjustable trestles available on request.
  - Designed to customer specifications.
  - Proof tested.
  - Compliant to relevant AU standards.



## Adjustable Swing Jib

- Application
- Manoeuvre items in confined spaces using your forklift with a Forklift Adjustable Swing Jib. Multi-angle positioning allows extra height and load capacity and is easy to set using the 4 stage locating pin. Ensure the net lifting capacity remains at 0.8 times your forklift capacity to allow for a swinging load.

This unit comes standard with:

- Hook, Shackles & Pins.
- Compliance plate attached.

Capacity 2t



## Tyre Stillages

- Technical Specifications
- Tyre stillages can be used in your workshop for the bulk storage of heavy vehicle tyres. These tyre stillages can be collapsed when not in use or transporting between warehouses. Each unit is designed to hold a safe working load of 400kgs and can be stacked up to 5 units high when erected, using a safe lock at hinge points.

Size	WLL	Weight	No. Tyres
<b>Truck Tyre Stillage</b>			
1000mm x 2265mm x 1195mm	500kg	65kg	65kg
<b>Light Truck Tyre Stillage</b>			
1250mm x 2265mm x 1055mm	500kg	65kg	65kg



## Workshop Trolleys

- Application:
- Customised workshop trolley for specific applications.
  - Reduces manual handling.
  - Easily manoeuvrable.
  - Designed customer specifications.
  - Proof and functionally tested.
  - Compliant to relevant AU standards.



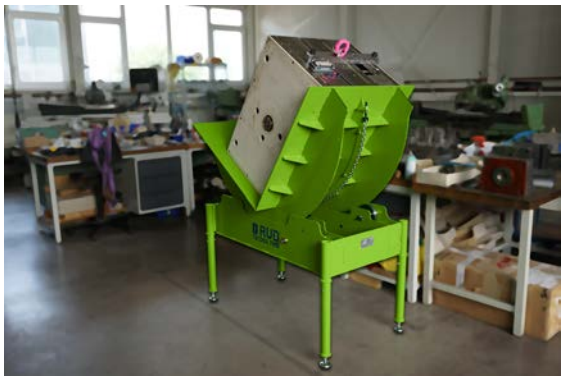
## 2 Shelf Transit Trolley

- Application:
- The Transit Trolley is easy to push and manoeuvre, perfect for carting and moving items around your warehouse. The 125mm diameter castor wheels offer easy swing movement. The trolley can support up to 400kg offering the strength of full steel construction. It can be fitted with rubber mat decking, a safety lip surround frame or a clipboard attachment as optional extras.



Size	Top Deck H	Load capacity	Weight of unit	Finish	Castors	Distance between shelves
1100mmL x 600mmW	900mm	400Kgs static (320Kgs mobile)	36Kgs	Powder coated blue.	125mm diameter blue rubber	Clipboards are an optional extra

# RUD MATERIAL HANDLING & TRANSPORT SOLUTIONS



## Tecdos Benchtop Toolmover

**Application**     The TMB is a benchtop rotation device for repair of engines, transmissions, axles and large mass items for easy disassembly and assembly of these items in workshops.

- Precise and uncomplicated handling of any heavy objects.
- A simple standard workbench becomes a safe turning device for heavy objects/tools weighing up to 2.5t.
- Tools and objects can be turned safely without the use of electrical, pneumatic or hydraulic auxiliary power.
- For controlled benchtop movement of engines, transmissions, axles and large mass items for easy disassembly and assembly.
- Heavy objects for repair can be turned safely without the requirement of electrical, pneumatic or hydraulic auxiliary power and controlled using a drill or cordless driver.

Capacity (t)	Plate width(mm)	Turning angle	Maximum height(mm)
2.5	800 x800	90°	1700

## RUD Snow Chains

**Technical Specifications**     The RUD Profi Cargo Snow Chain is a reversible chain with square links for good traction. Suitable for a wide range of applications, such as snow clearance, forest work, fork-lift trucks - especially recommended for light and medium vehicles.



- Reversible chain mesh.
- High-grip, square links.
- Simple and easy to fit and remove.
- Long service life.
- High-grade steel, hardened for greater wear-resistance.
- High-grip, track pattern chain mesh.



## ICE 120 Lashing Systems

### Application



ICE Grade 120 is the latest, state of the art chain technology. RUD is the first manufacturer of Grade 120 chains in the world and the innovator with the largest range of lifting and lashing products.

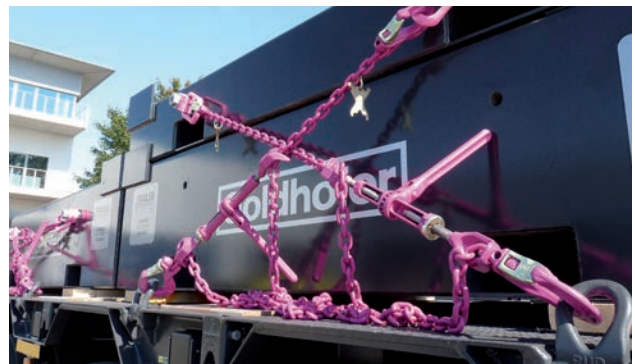
Due to the strength of the patented ICE material, the lashing of an ICE RUD lashing chain can replace a lashing chain of grade 80 of the next bigger nominal size. The result, up to 45% reduction in weight.

Compared with common grade 80, RUD ICE 120 has a breaking strength up to 60% higher. The ICE Curt tensioner has a patented theft protection disc which also prevents unintended loosening.

**Technical Specifications** ICE Curt Tensioner. Standard specifications and load can be achieved with the different sizes of lashing chains.

### Benefits

- Light weight, self-cleaning, lockable which results in no re-tensioning for longer freight.
- Open means easy maintenance.



## ICE120 LIFTING CHAINS

### Application

Mini lifter for different applications.

### Technical Specifications

As per specific WLL specs product.

### Benefits

- Light weight perfect solution for every workshop.
- Master link and shortener are combined which results in the light weight and quick and easy adjustment to the correct length. Up to 1.4t in a 2,3 or 4 leg configuration.
- Additional lifting gear for the workshop ICE120: lifting items with sharp edges (raw material) without having to de-rate the capacity of the chain.





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