

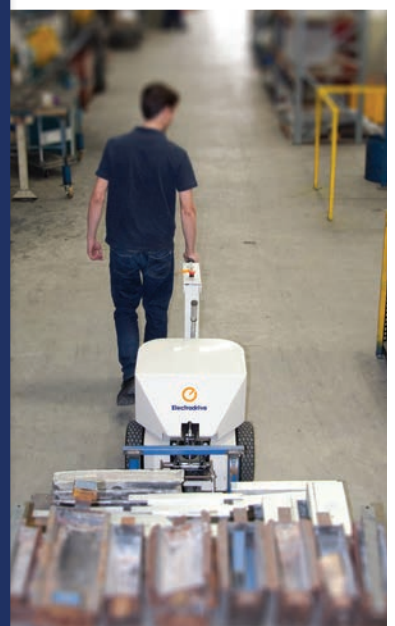


# ELECTRODRIVE & LIFTMASTER

MATERIALS HANDLING  
PRODUCT RANGE

ISSUE 43.8 (10/24)

105 YEARS  
1920-2025  
MANUFACTURING IN AUSTRALIA



Fallshaw  
GROUP

SOLUTIONS TO SAFELY **PUSH, PULL & LIFT**





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# Niftylift BIN LIFTER



A manually operated bin lifter that aids in the lifting and tipping of wheelie bins—weighing up to 30 kg—into steel skip bins.

The assisted lift and slow-release gas-struts lift bins safely, while protecting the user from costly back injuries associated with lifting heavy loads above shoulder height.



## Typical applications

Suitable for retail outlets, offices and factories.

## Features

<b>Lifting</b>	
Capacity:	30 kg
Mechanism:	Full-swing
<b>Recommended use</b>	
Per person per day:	2 lifts
<b>Bin compatibility</b>	
Wheelie:	120 and 240 litre
Skip:	Up to 1500 mm
<b>Operation</b>	
Method:	Manual assisted lift
Time:	45 seconds
<b>Dimensions (L/W/H)</b>	900/800/1420 mm
<b>Highest tip point</b>	2850 mm
<b>Fits through internal doorways</b>	Yes

## Safety features

- Safety catches with fastening knobs: Secures the bin lifter to a steel dumper bin, and only operates when secured.
- Padlock: The unit can only operate when unlocked.
- Slow-release gas-struts: Ensures the bin won't suddenly drop and potentially cause injury.
- Base cradle hook: The unit can only operate when the bin is resting on the base cradle hook.

## ORDER CODE

Niftylift bin lifter 30 kg

NIFTYLIFT30



# Rugged (manual) BIN LIFTER



## Typical applications

Suitable for construction sites, industrial worksites, mines, factories and spark-free environments.

## Features

<b>Lifting</b> Capacity: Mechanism:	<ul style="list-style-type: none"><li>• 100 kg</li><li>• Full-swing</li></ul>
<b>Recommended use</b> Per person per day:	10 lifts
<b>Bin compatibility</b> Wheelie: Skip:	<ul style="list-style-type: none"><li>• 120, 140* and 240 litre.</li><li>• 1500 and 1800 mm.</li></ul> <p><b>Please note: Not compatible with 660 and 1100 litre plastic skip bins due to insufficient weight for holding the bin lifter in place when emptying 240 litre wheelie bins.</b></p>
<b>Operation</b> Method: Mode: Time:	<ul style="list-style-type: none"><li>• Hydraulic hand-pump.</li><li>• Full-swing.</li><li>• 45 seconds/28 pumps.</li></ul>
<b>Dimensions (L/W/H)</b>	BLHP1500: 850/850/1700 mm BLHP1800: 850/850/1960 mm
<b>Highest tip point</b>	BLHP1500/1500LL: 3278 mm BLHP1800: 3752 mm
<b>Fits through internal doorways</b>	Yes

## Safety features

- Hand-pump ensures gradual controlled lift.
- Braking castors for stability.

Designed with manoeuvrability in mind, its small footprint, light weight, spark-free operation and manual handpump make it the perfect solution for emptying wheelie bins into steel skip bins. Ideal for building sites, industrial worksites, mines, factories and spark-free environments.

The All Terrain model with its pneumatic wheels (pictured below) or the galvanised models are perfect for outdoor use.

Made in Australia.

*\* Note: When using a 140 litre wheelie bin, you must change the position of the bin catch.*



The Rugged Manual All Terrain model, with pneumatic wheels.

Note: The All Terrain is 140-150 mm higher than BLHP1500.

	ORDER CODE
Rugged Manual bin lifter (1500 mm skip bins)	BLHP1500
Rugged Manual All Terrain bin lifter (1500 mm skip bins)	BLHPAT1500
BHLP1500—lid lifter compatible	BLHP1500LL
Rugged Manual bin lifter (1800 mm skip bins)	BLHP1800
Galvanised finish (1500 mm skips)	BLHP1500GAL
Galvanised finish (1800 mm skips)	BLHP1800GAL

# Rugged (powered) BIN LIFTER



## Typical applications

Suitable for construction sites, hotels, apartments, high-rise basements, caravan parks and other large outdoor areas

## Features

<b>Lifting</b> Capacity: Mechanism:	<ul style="list-style-type: none"><li>• 150 kg</li><li>• Full-swing</li></ul>
<b>Recommended use</b> Per day:	50 lifts
<b>Bin compatibility</b> Wheelie: Skip:	<ul style="list-style-type: none"><li>• 120, 140* and 240 litre.</li><li>• 1500 and 1800 mm</li></ul> <p><b>Please note: Not compatible with 660/1100L plastic skip bins due to insufficient weight for holding bin lifter in place when emptying 240L wheelie bins.</b></p>
<b>Operation</b> Method: Mode: Time:	<ul style="list-style-type: none"><li>• Push-button hydraulic system</li><li>• Full-swing</li><li>• 35 seconds</li></ul>
<b>Dimensions (L/W/H)</b>	BLEH1500: 850/850/1700 mm BLEH1800: 850/850/1960 mm
<b>Battery</b>	<ul style="list-style-type: none"><li>• 12V rechargeable battery and smart charger.</li><li>• 10A main outlet</li></ul>
<b>Highest tip point</b>	BLEH1500/1500LL: 3278 mm BLEH1800: 3752 mm
<b>Swept radius</b>	BLEH1500/1500LL: 1629 mm BLEH1800: 1909 mm
<b>Fits through internal doorways</b>	Yes

## Safety features

- Braking castors for stability.

Designed with manoeuvrability in mind, its small footprint and light weight—combined with the 240V electro-hydraulic operation—make it the perfect solution for emptying heavy wheelie bins into steel skip bins on building and industrial sites.

The All Terrain model with its pneumatic wheels (pictured below) or the galvanised models are perfect for outdoor use.

Made in Australia.

*\* Note: When using a 140 litre wheelie bin, you must change the position of the bin catch.*



The Rugged Powered All Terrain model, with pneumatic wheels.

Note: The All Terrain is 140-150 mm higher than BLEH1500.

	ORDER CODE
Rugged Powered (1500 mm skips)	BLEH1500
Rugged Powered All Terrain (1500 mm skips)	BLEHAT1500
BLEH1500—lid lifter compatible	BLEH1500LL
Rugged Powered (1800 mm skips)	BLEH1800
Galvanised finish (1500 mm skips)	BLEH1500GAL
Galvanised finish (1800 mm skips)	BLEH1800GAL



# Ecolift BIN LIFTER



A lift-and-tilt crank handle operated unit for lifting and tipping wheelie bins into skip bins. Suitable for schools, factories, retail outlets and offices.

Eliminating all lifting from the process of emptying wheelie bins into skip bins, the bin is lifted by simply manually rotating the crank-handle—protecting the user from costly back injuries associated with lifting heavy loads above shoulder height.



**Typical applications**  
Suitable for schools, factories, retail outlets and offices.

Features	
<b>Lifting</b> Capacity: Mechanism:	50 kg Lift-and-tilt
<b>Recommended use</b> Per person per day:	6 lifts
<b>Bin compatibility</b> Wheelie: Skip:	80, 120, 140 and 240 litre Up to 1500 mm
<b>Operation</b> Method: Time:	Manual winding crank-handle 45 seconds
<b>Cable length</b>	3.2 m
<b>Dimensions (L/W/H)</b>	1200/800/2000 mm
<b>Highest tip point</b>	2800 mm
<b>Fits through internal doorways</b>	Yes (with winch handle removed)

- Safety features**
- Safety cage panels to protect operators and bystanders.
  - The winding motion of the crank handle operation ensures gradual controlled bin lifting.
  - Braking castors for stability.

ORDER CODE	
Ecolift bin lifter 50 kg for 1500 mm skip bins.	ECOLIFT50

# Simplicity Plus BIN LIFTER



A battery operated hydraulic push button unit that aids in the lifting and emptying of wheelie bins into dumper bins.

The ideal unit for heavy weight and frequent lifts. The push-button operation eliminates the manual handling and associated risks of lifting bins.

Suitable for factories, warehouses, storage facilities, apartment blocks, waste management companies, event organisers.



**Typical applications**  
Suitable for factories, warehouses, storage facilities, apartment blocks, waste management companies, event organisers.

Features	
<b>Lifting</b> Capacity: Mechanism:	150 kg Lift-and-tilt
<b>Recommended use</b> Per day:	100 lifts
<b>Bin compatibility</b> Wheelie: Skip:	80, 120, 140 and 240 litre 1500 and 1800 mm
<b>Operation</b> Method: Time:	Push-button hydraulic system 35 seconds
<b>Dimensions (L/W/H)</b>	1500/980/2200 mm
<b>Battery</b>	• 12V rechargeable battery and smart charger • 10A main outlet
<b>Highest tip point</b>	SIMPLUS150HY1500: 2550 mm SIMPLUS150HY1800: 2800 mm

- Safety features**
- Safety cage eliminates hand and foot crush-points for operators and bystanders.
  - Braking castors for stability.

ORDER CODES	
Simplicity Plus for 1500 mm skip bins	SIMPLUS150HY1500
Simplicity Plus for 1800 mm skip bins	SIMPLUS150HY1800



# Universal BIN LIFTER



### Typical applications

Suitable for supermarkets, schools, construction sites, apartment blocks, waste management companies, event organisers.

### Features

<b>Lifting</b>	
Capacity:	250 kg
Mechanism:	Lift-and-tilt
<b>Recommended use</b>	
Per day:	100+ lifts
<b>Bin compatibility</b>	
Wheelie:	80, 120, 140 and 240 litre
Skip:	1500 and 1800 mm
<b>Operation</b>	
Method:	Push-button hydraulic system
Time:	35 seconds
<b>Dimensions (L/W/H)</b>	1500/980/2200 mm
<b>Battery</b>	<ul style="list-style-type: none"><li>• 12V rechargeable battery and smart charger</li><li>• 10A main outlet</li></ul>
<b>Highest tip point</b>	UBL250HYD1500: 2550 mm UBL250HYD1800: 2800 mm

### Safety features

- Safety cage and door eliminates all hand and foot crush-points for operators and bystanders.
- Braking castors for stability.
- Sturdy, stand-alone unit.

	ORDER CODES
Universal bin lifter for 1500 mm skip bins	UBL250HYD1500
Universal bin lifter for 1800 mm skip bins	UBL250HYD1800



# Modular bin trailer BIN MOVER



### Typical applications

Suitable for apartment buildings, schools, sports grounds, hotels, universities and institutions.

### Features

<b>Load capacity</b>	3-bay trailer: Up to 240 kg per bin bay. 6-bay trailer: Up to 200 kg per bin bay. (Maximum weight capacity of 1200 kg castors)
<b>Usability</b>	Fits within one standard car parking space.
<b>Bin compatibility</b>	80, 120, 140, 240 and 360 litre wheelie bins
<b>Hitching</b>	<ul style="list-style-type: none"><li>• Comes with a drawbar to suit pin hitch as standard.</li><li>• Also available with tow ball or hitch couplings.</li></ul>
<b>Dimensions (L/W/H)</b>	<ul style="list-style-type: none"><li>• 3-bay trailer: 2850/700/1432 mm</li><li>• 6-bay trailer: 2874/1378/1447 mm</li></ul>
<b>Shipping dimensions (L/W/H)</b>	2400/700/1432 mm

### Safety features

Gas strut actuated bin ramp.

The Modular Bin Trailer is the ideal solution for moving multiple wheelie bins to a centralised area, and suited to facilities with multiple wheelie bins which need to be moved regularly for emptying.

Available in two sizes—a three-bay bin or a six-bay bin model—the Modular Bin Trailer is compatible with 80, 120, 140, 240 and 360 litre wheelie bins.

When coupled with an Electrodrive powered tug (tow capacity depending on application), the tug can be configured to attach directly to the Modular Bin Trailer (or your large waste bin).

Please note: These units are supplied flat-packed ready for assembly.



	ORDER CODES
Three bay trailer for 80–360 L wheelie bins	MODULAR3
Six bay trailer for 80–360 L wheelie bins	MODULAR6



# Powered bin trolley

BIN MOVER



## Typical applications

Suitable for nursing homes, car parks, theme parks, hospitals and sporting complexes.

## Features

<b>Tow capacity</b>	400 kg on flat ground or up to 5° inclines.
<b>Load capacity</b>	Up to three 240 litre wheelie bins
<b>Max. speed</b>	Up to 4.5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• Powered drive wheel can carry loads over ramps up to 5°.</li><li>• No driver's licence required.</li><li>• Simple to use with easy turning action.</li><li>• Quiet, smooth operation.</li><li>• Zero emissions.</li></ul>
<b>Dimensions (L/W/H)</b>	2887/739/1596 mm 2600/739/1596 mm (handle folded up)
<b>Battery</b>	12V rechargeable battery and smart charger.

## Safety features

- Intuitive control with standard automatic safety brake, forward and reverse drive.
- Emergency stop button.
- Emergency back-off button.



	ORDER CODE
Powered Bin Trolley	POWBINTROLLEY

# Tug Compact

POWERED TUG



A nimble powered tug that allows a user to tow up to 500 kg safely. It is the ideal tug for towing document, stock, bin, linen and medical trolleys in and around tight spaces and aisles with ease.

Using the tiller handle to tow the tug, the operator is in front of the load, increasing visibility and reducing the risk of collisions.

Powered towing can eliminate push/pull injuries caused by manually moving heavy trolleys or repetitive movements.

See pages 25-28 for hitch options.



## Typical applications

Suitable for warehouses, hospitals, linen service, casinos, hospitality, universities.

## Features

<b>Tow capacity</b>	500 kg on flat ground.
<b>Max. speed</b>	Up to 5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• Grey non-marking tyres.</li><li>• No driver's licence required.</li><li>• Simple to use.</li><li>• Quiet, smooth operation.</li><li>• Zero emissions.</li></ul>
<b>Hitching</b>	<ul style="list-style-type: none"><li>• Supplied with a pin hitch.</li><li>• Wide variety of hitches available for easy attachment to trolleys.</li></ul>
<b>Dimensions (L/W/H)</b>	1100/609/891 mm (handle down)
<b>Battery</b>	Two 12V-33Ah rechargeable batteries with 24V smart charger.

## Safety features

- Intuitive control with standard automatic safety brake, forward and reverse drive.
- Emergency stop button.
- Emergency back-off button.

	ORDER CODES
Tug Compact 500 kg	TUGCOM500NH
Pin hitch (16 mm)	EDHT1810-002
Pin hitch (19 mm)	EDHT1810-043
Clamp hitch*	EDHTCLAMP001
Self-centering hitch	EDHT1810-006

\* The Tug Compact has a permanently fixed turret, so when using our EDHTCLAMP001 Clamp hitch you will also need to add EDHT1810-006 (Self-centering hitch) to allow the trolley to follow behind it. Optional: EDHT1810-035 (Skate hitch).

# Tug Rise POWERED TUG

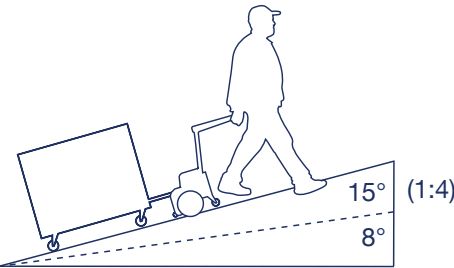


The Tug Rise pedestrian operated electric tug has been designed to tow on slopes or ramps, and is capable of towing up to 1 tonne on a 15 degree ramp with ease, or up to 5 tonne on a flat surface.

The Tug Rise is the ideal solution for moving 660 litre and 1100 litre bins on ramps with an incline of 1:4. Universal towing devices (to suit 660 and 1100 litre bins) are also available, as well as directional lock mechanisms for swivel castors to help improve your waste management.

The Tug Rise is designed to improve safety and efficiency, whilst reducing the risk of accidents that can occur when manually moving very heavy loads.

See pages 25-28 for hitch options.



## Typical applications

Suitable for moving heavy bins or trolleys on sloped driveways/ ramps, around high-rise building basements, or caravan parks.

## Features

<b>Tow capacity</b>	1000 kg up a 15 degree incline (or up to 5,000 kg on a flat surface).
<b>Max. speed</b>	Up to 4 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• Ergonomic design with folding tiller handle.</li><li>• Turret with turret lock for easy reversing.</li><li>• Heavy duty high-traction wheels (black).</li><li>• Park brake release—to enable manual operation in the event of a flat battery.</li><li>• Low maintenance</li></ul>
<b>Hitching</b>	<ul style="list-style-type: none"><li>• Wide variety of hitches available.</li><li>• Universal towing device to suit 660 litre and 1100 litre bins available.</li></ul>
<b>Towing options</b>	<ul style="list-style-type: none"><li>• Can tow multiple bins.</li><li>• Move 660 litre and 1100 litre bins on a 15 degree ramp or incline.</li><li>• Directional lock mechanism for swivel castors is available.</li></ul>
<b>Dimensions (L/W/H)</b>	1800/902/894 mm (approx.)
<b>Battery</b>	Two 12V-70Ah rechargeable batteries (deep cycle, long lasting, maintenance-free) with 24V smart charger. <i>Optional upgrade: 100Ah batteries.</i>

## Safety features

- Emergency stop button; Emergency back-off button;
- Electromechanical park brake.

	ORDER CODES
Tug Rise 1 Tonne (no hitch)	TUGRISE1TNH
Pin hitch (19 mm)	EDHT1316
Pin hitch (29 mm) standard for 660/1100L bins	EDHT1810-052
Auto-latching hitch	EDHT1810-024

# Tug Axis 1T/2T POWERED TUG



(Pictured with Auto-latching hitch—320mm height from ground)

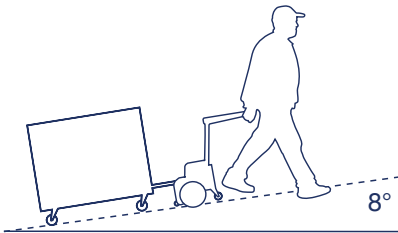
A powerful machine, the Tug Axis is available in one or two tonne towing capacities.

Ideal for transporting medical carts around hospitals, moving heavy specialist equipment or moving heavy trolleys.

Using the tiller handle to tow the tug, the operator is in front of the load, increasing visibility and reducing the risk of collisions.

Powered towing can eliminate push/pull injuries caused by manually moving heavy trolleys or repetitive movements.

See pages 25-28 for hitch options.



## Typical applications

Suitable for retail and light industrial towing including airports, factories, warehouses, apartment buildings or large facilities.

## Features

<b>Tow capacity</b>	<ul style="list-style-type: none"><li>• Tug Axis 1T: 1000 kg</li><li>• Tug Axis 2T: 2000 kg</li></ul> (On flat ground, or with reduced towing capacity on ramps up to 8 degrees.)
<b>Max. speed</b>	Up to 5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• Turret with turret lock for easy reversing.</li><li>• Easy to use with quiet, smooth operation.</li></ul>
<b>Hitching</b>	Wide variety of hitches available for easy attachment to trolleys.
<b>Dimensions (L/W/H)</b>	1480/610/852 mm (handle down)
<b>Battery</b>	Two 12V-50Ah rechargeable batteries with 24V smart charger.

## Safety features

- Intuitive control with standard automatic safety brake, forward and reverse drive.
- Emergency stop and back-off safety buttons.

	ORDER CODES
Tug Axis 1T (no hitch)	TUGAXIS1TNH
Tug Axis 2T (no hitch)	TUGAXIS2TNH
Auto-latching hitch	EDHT1810-024
Pin hitch (16 mm)	EDHT1313
Pin hitch (19 mm)	EDHT1316
Clamp hitch (heavy duty)	EDHTCLAMP002*
Groove hitch	EDHTGROOVE001
Tow ball A-frame hitch	EDHT1810-023

\* EDHTCLAMP002: 1000 kg maximum capacity.



# Tug Axis 4T/5T POWERED TUG



[Pictured with an auto-latching hitch]

A powerful workhorse, the Tug Axis is available in four or five tonne towing capacities.

The Tug Axis is designed to improve safety and efficiency, whilst reducing the risk of accidents that can occur when manually moving very heavy loads.

Suitable for industrial towing or moving specialist equipment.

Ideal solution in helping to implement a ‘no forklift zone’ while protecting staff and products.

See pages 25-28 for hitch options.



## Typical applications

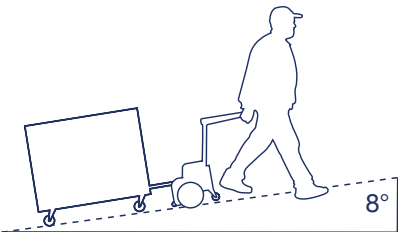
Suitable for large retail/facilities, heavy industrial towing, airports or factories.

## Features

<b>Tow capacity</b>	• Tug Axis 4T: 4000 kg
	• Tug Axis 5T: 5000 kg (On flat ground, or with reduced towing capacity on ramps up to 8 degrees.)
<b>Max. speed</b>	Up to 4 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	• Turret with turret lock for easy reversing. • Easy to use with quiet, smooth operation. • Zero emissions.
<b>Hitching</b>	Wide variety of hitches available for easy attachment to trolleys.
<b>Dimensions (L/W/H)</b>	• Tug Axis 4T: 1465/790/875 mm • Tug Axis 5T: 1740/900/905 mm
<b>Battery</b>	Two 12V-70Ah rechargeable batteries with 24V smart charger. <i>Optional upgrade: 100Ah batteries.</i>
<b>Optional</b>	Grey wheels

## Safety features

- Intuitive control with standard automatic safety brake, forward and reverse drive.
- Emergency stop and back-off safety buttons.



\* Adds 480 mm of length to the tug when using hydraulic arm lift kit (EDHYDARMLIFTKIT).

ORDER CODES	
Tug Axis 4T (no hitch)	TUGAXIS4TNH
Tug Axis 5T (no hitch)	TUGAXIS5TNH
Auto-latching hitch	EDHT1810-024
Pin hitch (19 mm)	EDHT1316
Pin hitch (29 mm) standard for 660/1100L bins	EDHT1810-052
Tow ball A-frame hitch	EDHT1810-023
Hydraulic arm lift kit	EDHYDARMLIFTKIT

# Tug Tough 10T POWERED TUG



## Typical applications

Suitable for airports, mining, factories, railways.

## Features

<b>Tow capacity</b>	Tow up to 10 tonnes on flat ground, with reduced towing capacity up to 8 degrees
<b>Max. speed</b>	Up to 2.5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	• Heavy duty construction, perfect for pulling very heavy equipment, vehicles and aircraft. • Fully contained unit—wheels and drive system housed within box covers. • Hazard yellow for high-visibility and industrial work areas. • Flashing amber warning light (optional).
<b>Hitching</b>	• Wide variety of automated hitches available. • A five tonne lifting hitch is available.
<b>Dimensions (L/W/H)</b>	1912/650/910 mm
<b>Battery</b>	Four 12V-70Ah rechargeable batteries with 48V smart charger. <i>Optional upgrade: 100Ah batteries.</i>

The perfect heavy duty workhorse for loads up to 10 tonnes, the Tug Tough utilises a powerful 48 V drive system to allow a single operator to hitch to and move big loads.

The Tug Tough can be fitted with an optional hydraulic lifting hitch available for either capacity.

It allows the operator to walk in front of the heavy load, allowing maximum forward vision and eliminating the possibility of accidents when negotiating turns.

Ideal for moving very heavy wheeled loads and equipment, heavy duty construction, vehicles and aircraft.

See pages 25-28 for hitch options.



## Safety features

- Intuitive control with standard automatic safety brake, forward and reverse drive.
- Emergency stop button.
- Emergency back-off button.






ORDER CODES	
Tug Tough 10 tonne (no hitch)	TUGTOUGH10TNH
Pin hitch (39 mm)	EDHT10TPIN
Pin hitch (50 mm)	EDHT10TPIN50
Hook hitch	EDHT10THOOK
Tow ball hitch	EDHT1352










# Powered tug specifications

## Features

	Tow capacity (kg)	Maximum pulling force:		Speed mode	Max. speed	Dimensions (L/W/H) mm	Unit weight kg
		On flat ground	Up a 6° ramp				
<b>Tug Compact</b> 	500 kg	20 kg	6 kg	3 speed settings	Up to 5 km/h	1100 / 609 / 891	127 kg
<b>Tug Rise</b> 	1,000 kg on 15° incline. 5,000 kg on flat ground.	240 kg	40 kg on 15° ramp	3 speed settings	Up to 4 km/h	1800 / 902 / 894	700 kg
<b>Tug Axis 1T</b> 	1,000 kg	40 kg	12 kg	3 speed settings	Up to 5 km/h	1480 / 610 / 852	137 kg
<b>Tug Axis 2T</b> 	2,000 kg	80 kg	24 kg	3 speed settings	Up to 5 km/h	1480 / 610 / 852	157 kg
<b>Tug Axis 4T</b> 	4,000 kg	160 kg	48 kg	3 speed settings	Up to 4 km/h	1465 / 790 / 875	320 kg
<b>Tug Axis 5T</b> 	5,000 kg	200 kg	60 kg	3 speed settings	Up to 4 km/h	1740 / 900 / 905	630 kg
<b>Tug Tough 10T</b> 	10,000 kg	400 kg	120 kg	3 speed settings	Up to 2.5 km/h	1912 / 650 / 910	1,020 kg

## Motor

## Batteries

	Power (watts)	Voltage (V)	Technology	Amp-hour	Voltage (V)	No. of batteries
<b>Tug Compact</b> 	250 watts	24V	Rechargeable gel battery (deep cycle, long-lasting, maintenance-free).	33Ah	12V (x 2)	2
<b>Tug Rise</b> 	1300 watts	24V	Rechargeable gel battery (deep cycle, long-lasting, maintenance-free).	70Ah (optional 100Ah)	12V (x 2)	2
<b>Tug Axis 1T</b> 	250 watts	24V	Rechargeable gel battery (deep cycle, long-lasting, maintenance-free).	50Ah	12V (x 2)	2
<b>Tug Axis 2T</b> 	400 watts	24V	Rechargeable gel battery (deep cycle, long-lasting, maintenance-free).	50Ah	12V (x 2)	2
<b>Tug Axis 4T</b> 	450 watts	24V	Rechargeable gel battery (deep cycle, long-lasting, maintenance-free).	70Ah	12V (x 2)	2
<b>Tug Axis 5T</b> 	600 watts	24V	Rechargeable gel battery (deep cycle, long-lasting, maintenance-free).	70Ah	12V (x 2)	2
<b>Tug Tough 10T</b> 	600 watts (x 2 motors)	24V	Rechargeable gel battery (deep cycle, long-lasting, maintenance-free).	70Ah	12V (x 4)	4



# Transpak POWERED TROLLEY



### Typical applications

Suitable for hospitals, hotels, aged care facilities and function centres.

### Features

<b>Tow capacity</b>	500 kg
<b>Max. speed</b>	Up to 4.5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• No driver's licence required.</li><li>• Simple to use.</li><li>• Quiet, smooth operation.</li><li>• Zero emissions.</li></ul>
<b>Compatibility</b>	<ul style="list-style-type: none"><li>• Compatible with all meal delivery systems including those from Burlodge, Socamel and Versigen.</li><li>• Frame size can be built to suit your requirements.</li></ul>
<b>Dimensions (L/W/H)</b>	1802/785/895 mm
<b>Battery</b>	Two 12V-33Ah rechargeable batteries with 24V smart charger.

### Safety features

- Intuitive control with standard automatic safety brake, forward and reverse drive.
- Emergency stop button.
- Emergency back-off button.

	ORDER CODE
Transpak powered trolley 500 kg	TRANSPAK500



# Gzunda GZ10SL PATIENT MOVER



### Typical applications

Suitable for moving hospital beds, stretchers or trolleys.

### Features

<b>Load capacity</b>	Move up to 500 kg.
<b>Max. speed</b>	Up to 5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• Compact and easy to manoeuvre in tight spaces.</li><li>• Intuitive controls with twist grip throttle and horn.</li><li>• Requires 90 mm of under-bed clearance.</li><li>• No driver's licence required.</li><li>• Simple to use.</li><li>• Quiet, smooth operation.</li><li>• Zero emissions.</li><li>• Non-marking tyres.</li></ul>
<b>Hitching</b>	<ul style="list-style-type: none"><li>• Push-button hitching—silent, fast and efficient.</li><li>• A variety of hitches are available.</li></ul>
<b>Dimensions (L/W/H)</b>	1190/780/1126 mm
<b>Battery</b>	Two 12V-33Ah rechargeable batteries with 24V smart charger.

### Safety features

- Emergency stop button.
- Emergency back-off button.

The Gzunda GZ10SL (Slimline) patient mover is intelligently designed for moving patients safely. It is simple-to-use and is powerful enough for a person to move hospital beds, stretchers or trolleys weighing up to 500 kg, single-handedly. Whether you're moving patients between wards, or to and from the operating theatre, The GZ10SL hospital bed mover keeps your medical staff safe from muscle and back strains.

The GZ10SL has easy-to-use controls, including key start, twist grip variable speed control, horn, and emergency stop button. As with all Electrodrive equipment, the GZ10SL comes with a comprehensive 12-month warranty, including parts and labour.

See pages 29-30 for hitch options.



	ORDER CODE
Gzunda GZ10SL 500 kg — no hitch	GZ10SL(NH)



# Gzunda GZS PATIENT MOVER



### Typical applications

Suitable for moving hospital beds, stretchers, treatment chairs or trolleys. No under-bed clearance is required.

### Features

Load capacity	Move up to 600 kg
Max. speed	Up to 5 km/hour
Speed mode	Three speed control with forward, reverse and emergency stop.
Usability	<ul style="list-style-type: none"><li>• Highly manoeuvrable in tight spaces.</li><li>• Intuitive controls with twist grip throttle and horn.</li><li>• No under-bed clearance required.</li><li>• No driver's licence required.</li><li>• Simple to use.</li><li>• Quiet, smooth operation.</li><li>• Zero emissions.</li><li>• Non-marking tyres.</li></ul>
Hitching	<ul style="list-style-type: none"><li>• Push-button hitching — silent, fast and efficient.</li><li>• A variety of hitches are available.</li></ul>
Dimensions (L/W/H)	<ul style="list-style-type: none"><li>• GZSIN(NH): 1245/920/1230 mm</li><li>• GZSUS(NH): 1245/1015/1230 mm</li></ul>
Battery	Two 12V-33Ah rechargeable batteries with 24V smart charger.

### Safety features

- Emergency stop button.
- Emergency back-off button.

The Gzunda GZS patient mover allows one person to effortlessly move heavy hospital beds, stretchers, treatment chairs or trolleys. The motorised unit operates equally well with or without a patient, simplifying the task of moving beds or patients between wards, departments, or to and from theatre, allowing the driver to focus on the needs of the patient during transport.

With a capacity of 600 kg, the silent motorised unit is able move a hospital bed up or down ramps, over carpet, into lifts, and around tight corners with minimal effort by the operator. The GZS has easy-to-use controls, including key start, twist grip variable speed control, horn, and emergency stop button. As with all Electrodrive equipment, the GZS comes with a comprehensive 12-month warranty, including parts and labour.

See pages 29-30 for hitch options.



ORDER CODES	
Gzunda GZS 600 kg split tine — no hitch (international)	GZSIN(NH)
Gzunda GZS 600 kg split tine — no hitch US)	GZSUS(NH)

# Gzunda GZBARI PATIENT MOVER



### Typical applications

Suitable for moving hospital beds or stretchers with bariatric patients.

### Features

Load capacity	Move up to 800 kg.
Max. speed	Up to 4.5 km/hour
Speed mode	Three speed control with forward, reverse and emergency stop.
Usability	<ul style="list-style-type: none"><li>• Compact and easy to manoeuvre in tight spaces.</li><li>• Power steering with dual-drive hub motors.</li><li>• Intuitive controls with twist grip throttle and horn.</li><li>• Requires 100 mm of under-bed clearance (can be modified to 90mm if required).</li><li>• Battery operated and rechargeable.</li><li>• Long lasting deep-cycle gel cell batteries.</li><li>• Ergonomic design with adjustable height controls.</li><li>• Fold-down controller for compact storage and lift access.</li><li>• Automatic park brake to anchor beds and trolleys when staff let go.</li><li>• Simple to use.</li><li>• Quiet, smooth operation.</li><li>• Zero emissions.</li><li>• Non-marking tyres.</li></ul>
Hitching	<ul style="list-style-type: none"><li>• Simple hitching.</li><li>• A variety of hitches are available.</li></ul>
Dimensions (L/W/H)	1861/804/1338 mm
Battery	Four 12V-33Ah rechargeable batteries with 48V smart charger.

### Safety features

- Emergency stop button.
- Emergency back-off button.

The Australian-made Gzunda GZBARI Bariatric Patient Mover is designed to move 800 kg (including the weight of the patient, the bed and accessories).

Featuring power steering, a twin motor drive and a spring-loaded hitch bar, the unit is easy to steer and effortless to manoeuvre.

Its twin direction control rollers also provide improved frictional ground contact for maximum manoeuvrability.

Ergonomically designed with an adjustable-height tiller handle, the control panel features push buttons with three speed, reverse and emergency/safety buttons.

Fitting neatly under your hospital bed, it requires only 100 mm of under-bed clearance. Its compact design enables easy steering through tight corridors and in-and-out of lifts.

The tine is constructed from all steel and is lead-free.

See pages 29-30 for hitch options.



ORDER CODE	
Gzunda GZBARI Bariatric patient mover 800 kg (no hitch).	GZBARI(NH)



# Tug Compact LINEN MOVER



### Typical applications

Suitable for hospitals, linen service, casinos, hospitality, warehouses, universities.  
Ideal for towing linen trolleys fitted with two swivel and two fixed castors.

### Features

<b>Tow capacity</b>	500 kg
<b>Max. speed</b>	Up to 5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• Non-marking tyres.</li><li>• Compact and easy to manoeuvre in tight corridors.</li><li>• No driver's licence required.</li><li>• Quiet, smooth operation.</li><li>• Zero emissions.</li></ul>
<b>Hitching</b>	<ul style="list-style-type: none"><li>• Supplied with a clamp hitch.</li><li>• Wide variety of hitches available for easy attachment to trolleys.</li></ul>
<b>Dimensions (L/W/H)</b>	1351/609/891 mm
<b>Battery</b>	Two 12V-33Ah rechargeable batteries with 24V smart charger.

### Safety features

- Intuitive control with standard automatic safety brake, forward and reverse drive.
- Emergency stop button.
- Emergency back-off button.

	ORDER CODE
Tug Compact linen mover 500 kg (with clamp hitch).	TUGLINENMOVER



# Gzunda LINEN MOVER



### Typical applications

Suitable for towing linen trolleys around hospitals or hotels.

### Features

<b>Tow capacity</b>	Tow up to 500 kg
<b>Max. speed</b>	Up to 5 km/hour
<b>Speed mode</b>	Three speed control with forward, reverse and emergency stop.
<b>Usability</b>	<ul style="list-style-type: none"><li>• Compact design. (With the tiller handle folded, the unit adds only 300 mm to the length of your trolley.)</li><li>• Powered fifth wheel increases manoeuvrability.</li><li>• Compact and easy to manoeuvre in tight corridors.</li><li>• Middle tine design—ideal for towing linen trolleys fitted with four swivel castors.</li><li>• Tiller control handle for ergonomic 'front of load' operation.</li><li>• Removes the risk of push/pull injuries in linen handling. Quiet, smooth operation.</li></ul>
<b>Hitching</b>	<ul style="list-style-type: none"><li>• Supplied with a clamp hitch.</li><li>• Wide variety of hitches available for easy attachment to trolleys.</li></ul>
<b>Hitching height (from ground)</b>	Lowest point 630 mm (minimum) to highest point 950 mm (maximum).
<b>Dimensions (L/W/H)</b>	1759/676/1152 mm
<b>Battery</b>	Two 12V-33Ah rechargeable batteries with 24V smart charger.

### Safety features

- Emergency stop button.
- Emergency back-off button.

	ORDER CODE
Gzunda linen mover (with clamp hitch range 520–720 mm)	GZLINENMOVER
Gzunda linen mover (no hitch)	GZLINENMOVER(NH)

The Gzunda Linen Mover is an ergonomically designed unit ideal for towing linen or laundry trolleys around hospitals or hotels.

The central tine acts as a powered fifth wheel fitting neatly under a trolley for effortless manoeuvrability.

No modifications are required to your existing fleet of trolleys, the Gzunda Linen Mover is suitable for trolleys with **four swivel castors**.

The linen mover's compact design and folding tiller handle enables use in-and-out of lifts and in tight spaces, while keeping the user in-front-of-the-load—avoiding the risk of collisions.

The versatile hitch slides up and down providing a stable centre-of-gravity—crucial for towing tall heavy trolleys.

See pages 29-30 for hitch options.





# P5W NON-RETRACTABLE FIFTH WHEEL

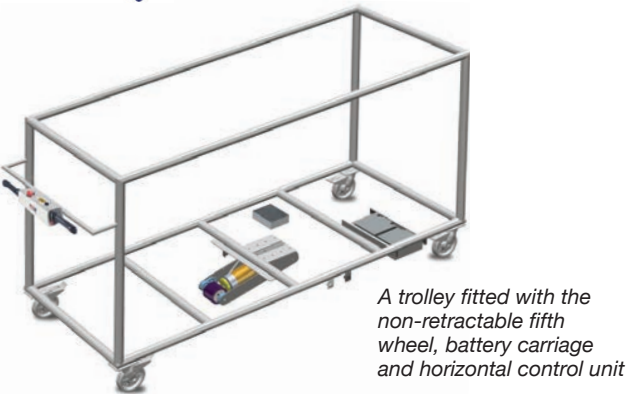


Pictured (from left to right): Hand controller (vertical); Hand controller (horizontal); Non-retractable fifth wheel (drive wheel); Slide-out battery carriage.

The Powered Fifth Wheel (P5W) is a retrofittable solution for converting your manually pushed trolleys into powered ones.

The kit consists of a powerful non-retractable drive wheel (the fifth wheel), a hand control unit (vertical or horizontal—depending on your requirements), a slide-out battery case and a charger.

Controlled with an ergonomically designed control grip for a natural walking posture, the Powered Fifth Wheel works with your trolley’s other four wheels to help you move heavy loads safely and efficiently.



<sup>1</sup> International chargers are also available. Replace “AU” at the end of the order code with “US”, “EU” or “UK”. For example EDCHARGER7AhUS.



## Typical applications

A retrofittable solution for converting trolleys into powered ones.

## Features

Load capacity	Move up to 400 kg on flat ground
Max. speed	Up to 4.5 km/hour
Speed mode	Three speed control with forward, reverse and emergency stop.
Usability	<ul style="list-style-type: none"><li>Simple control unit (mounted vertically or horizontally—adaptable to suit 20-52 mm tube).</li><li>Quiet, smooth operation.</li></ul>
Dimensions (L/W/H)	<ul style="list-style-type: none"><li>Drive wheel: 511/285/150-300 mm</li></ul>
Battery	Two 12V-33Ah rechargeable batteries (assembled within slide-out carriage) with 24V smart charger.

## Safety features

Emergency stop button.

### ORDER CODES

#### Retrofittable kit

Non-retractable powered fifth wheel with simple control:	
Vertically mounted	P5W400VBAU
Horizontally mounted	P5W400HBAU

Items available separately:	
Control unit (vertical)	EDP5WCONTROLV
Control unit (horizontal)	EDP5WCONTROLH
Non-retractable fifth wheel in carriage	EDP5WWHEEL
Slide-out battery carriage	EDP5WBATCARRIAGE
2 x 33Ah gel batteries	EDBAT12V33AHGEL
Charger: 7Ah (AU plug)	EDCHARGER7AhAU <sup>1</sup>

# P5W RETRACTABLE FIFTH WHEEL



Pictured (from left to right): Gzunda-style two hand control unit; Retractable fifth wheel (drive wheel); Slide-out battery carriage.

The Powered Fifth Wheel (P5W) is a retrofittable solution for converting your manually pushed trolleys or hospital beds into powered ones.

The kit consists of a powerful retractable drive wheel (the fifth wheel), a ‘Gzunda’ two-style hand control unit, a slide-out battery case and a charger.

The retractable fifth wheel provides maximum manoeuvrability and can be lifted or lowered at the simple press of a button on the hand control unit.

Controlled with an ergonomically designed control grip for a natural walking posture, the Powered Fifth Wheel works with your trolley or bed’s other four wheels to help you move heavy loads safely and efficiently.



<sup>1</sup> International chargers are also available. Replace “AU” at the end of the order code with “US”, “EU” or “UK”. For example EDCHARGER7AhUS.



## Typical applications

A retrofittable solution for converting hospital beds into powered ones.

## Features

Load capacity	Move up to 400 kg
Max. speed	Up to 4.5 km/hour
Speed mode	Three speed control with forward, reverse and emergency stop.
Usability	<ul style="list-style-type: none"><li>Intuitive controls with twist grip throttle and horn.</li><li>Quiet, smooth operation.</li></ul>
Dimensions (L/W/H)	<ul style="list-style-type: none"><li>Drive wheel: 511/285/150-300 mm</li></ul>
Battery	Two 12V-33Ah rechargeable batteries (assembled within slide-out carriage) with 24V smart charger.

## Safety features

Emergency stop button and back-off bar.

### ORDER CODES

Retrofittable kit	
Retractable powered fifth wheel with ‘Gzunda’ style two-hand control	GZP5W400HBAU
Items available separately:	
Control unit	EDGZP5WCONTROL
Retractable fifth wheel in carriage	EDGZP5WWHEEL
Slide-out battery carriage	EDP5WBATCARRIAGE
2 x 33Ah gel batteries	EDBAT12V33AHGEL
Charger: 7Ah (AU plug)	EDCHARGER7AhAU <sup>1</sup>

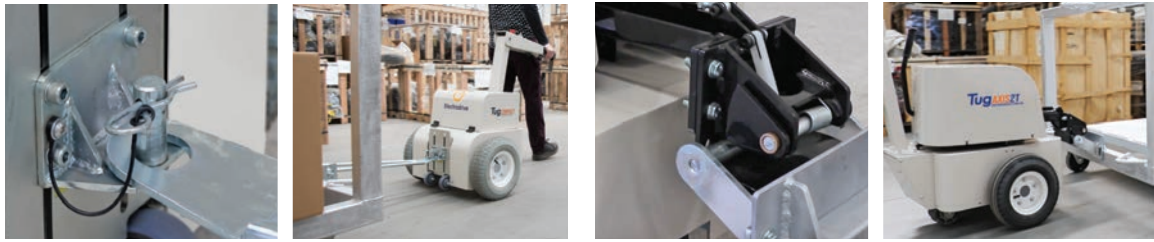


# Hitching FOR ELECTRODRIVE TUGS

## Common hitches for the Electrodrive powered tug range

If you are looking for a custom hitch, we can design one for almost any application.

For more information, contact our experts on 1300 934 471 (within Australia) or +61 3 9300 8555 (international) or email [sales@fallshaw.com.au](mailto:sales@fallshaw.com.au).



HITCH	Pin hitch	Auto-latching hitch
DESCRIPTION	Typically used on trolleys with tow bars such as meal trolleys and stock trolleys, the pin hitch can also be mounted upside-down to suit spring-loaded drawbars that push upwards. These are becoming more common in workplaces, as no bending is required.	To use the auto-latching hitch, a trolley with a 25 mm diameter tow bar is needed. Electrodrive can provide a tug hitch bar (EDHT1010) which can be welded or bolted to your trolley if required (pictured). The auto-latching hitch enables limited vertical movement. Horizontal movement is provided by the Tug Axis's rotating turret. The hitch is set at 320 mm from the ground.
TUG COMPATIBILITY	For use on: <ul style="list-style-type: none"><li>• Compact Tug (16mm and 19mm).</li><li>• Tug Rise 1T (19mm only).</li><li>• Tug Axis 1T and 2T (16mm and 19mm).</li><li>• Tug Axis 4T and 5T (19mm only).</li><li>• Tug Tough 10T (39mm and 50mm).</li></ul> When fitted to the Tug Compact and Tug Tough, the pin hitch enables vertical and horizontal movement. <i>Note: When fitted to the Tug Axis, the turret must be locked to disable pivoting, otherwise uncontrolled movement will occur.</i>	For use on: <ul style="list-style-type: none"><li>• Tug Rise 1T.</li><li>• Tug Axis range (1T, 2T, 4T and 5T models).</li></ul>
APPLICATIONS	Meal trolleys for hospitals, roll cages for supermarkets.	Industrial, heavier-duty trolleys with loads of 1-2 tonne.
ORDER CODES	<ul style="list-style-type: none"><li>• EDHT1810-002 (16 mm diameter).</li><li>• EDHT1810-043 (19 mm diameter).</li><li>• EDHT1810-052 (29 mm diameter) standard for 660/1100L bins.</li><li>• EDHT1313 (16 mm diameter).</li><li>• EDHT1316 (19 mm diameter).</li><li>• EDHT10TPIN (39 mm diameter).</li><li>• EDHT10TPIN50 (50 mm diameter).</li></ul>	EDHT1810-024

# Hitching FOR ELECTRODRIVE TUGS



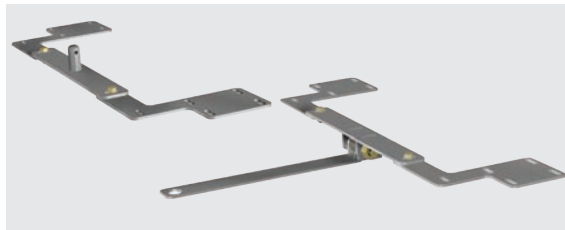
HITCH	Hydraulic arm lift kit	Clamp hitch
DESCRIPTION	This hitch is used for moving trailers, caravans or boats which have a 50 mm tow ball coupling. The hitch arm is operated by hydraulic system running at high pressure, via a self-centering toggle switch situated near the handle. The pinch points surrounding the arm movement and must be avoided at all times during the operation of the hydraulic system.	Clamp hitches grab the trolley frame from the outside between two hooks. Commonly seen on linen trolleys in hospitals, hotels and linen companies. Each clamp hitch must be supplied with EDHT1810-006 (self-centering hitch) for the Tug Compact or EDHT1810-035 (optional skate hitch).
TUG COMPATIBILITY	For use on: Tug Axis 4T and 5T models.	<ul style="list-style-type: none"><li>• EDHTCLAMP001 is suitable for use on Tug Compact.</li><li>• EDHTCLAMP002 is suitable for the Tug Axis 1/2T.</li></ul>
APPLICATIONS	Single-axle trailers or caravans fitted with a standard 50 mm tow ball coupling and a jockey wheel to safely lower the load over the tow ball.	Suitable for trolleys with no existing hitch point to connect to, such as linen trolleys, roll cages & trolleys with wire mesh sides. (Suited to a 25 mm frame and for trolleys with a width from 520 mm to 720 mm.
ORDER CODE	EDHYDARMLIFTKIT	EDHTCLAMP001 (General duty) EDHTCLAMP002 (Heavy duty)

HITCH	Groove hitch	Tow ball A-frame hitch
DESCRIPTION	Groove hitches are designed for plastic tub trolleys with slotted handles or metal linen trolleys. EDHTGROOVE0484 hitch is our new swivel mechanism which locks the tubs from inside the handle grooves. These hitches are normally used on plastic linen trolleys which don't have an exposed or open frame to grab onto from the outside.	The tow ball hitch is most commonly used for the movement of trailers, caravans or boats. The tow ball position can be adjusted manually to suit a height of 500 or 600 mm from ground.
TUG COMPATIBILITY	For use on: Tug Axis 1T and 2T models.	For use on: Tug Axis range (1T, 2T, 4T and 5T models).
APPLICATIONS	Rotomould linen trolleys with slotted handles.	Single-axle trailers or caravans fitted with a standard 50 mm tow ball coupling and a jockey wheel to safely lower the load over the tow ball.
ORDER CODE	EDHTGROOVE0484	EDHT1810-023



# Hitching FOR ELECTRODRIVE TUGS



HITCH	<b>660 &amp; 1100 litre bin hitches</b>
DESCRIPTION	Our universal hitching brackets fit underneath 660 litre or 1100 litre bins (between the castor plates and bin) to maximise strength and enable towing of multiple bins at once. The hitching brackets are suitable for ramps up to 14 degrees. The tow pins are secured by R-pins. <i>Note: Must be used with 29 mm pin hitch (EDHT1810-052).</i>
TUG COMPATIBILITY	For use on: Tug Rise and the Tug Axis range.
APPLICATIONS	Directional lock tabs for steering (order code LMDLSULO) for trolleys with 4 swivel castors—retrofitted on 2 x rear-mounted swivel castors to stop bins swaying side-to-side.
ORDER CODE	EDUNIBH6611F (Front hitching bracket) EDUNIBH6611R (Rear hitching bracket)

**Warning:** Never tow with four swivel castors. Towing bins with four swivel castors will cause problems with trailing and 'fishtailing'—cutting corners, rather than following the unit. For safety purposes, directional lock tabs are fitted to your bin's existing rear swivel castors to enable controlled steering and towing in a straight line.



HITCH	<b>Double wheelie bin hitch</b>
DESCRIPTION	Move up to two wheelie bins at the same time using this hitch. To hitch or unhitch the bins, simply lift the handle. The height of the hitching point can be manually adjusted with two wing knobs located on the side of the vertical frame.
TUG COMPATIBILITY	For use on: Tug Compact and the Tug Axis range.
APPLICATIONS	Moving moulded wheelie bins ranging from 80 to 240 litres with adjustable height and width.
ORDER CODE	EDTWINBINHITCH

# Tug accessories & options

ACCESSORIES	SUITABILITY	ORDER CODES
Amber strobe, 24V	Tug range	EDEL1000F
Amber beacon, 24V	Tug range	EDEL1000
Amber beacon, mounted on pole	Tug range	EDEL1000U-2
Audible beeper	Tug range	EDEL1080F
Spare key	Tug range	EDEL2710
Throttle lever guard	Tug range	EDGM2171F
Weather-resistance from above (IPX2) includes tiller component upgrade and splashguard fitted	Tug range	EDEL3970
Weather/dust-proofing (IP54) Includes electrical enclosure and tiller components upgrade	Tug range	EDEL3971
BATTERIES		
Battery pack, 2 x 44Ah lift-out	Tug Axis range	EDBA1050
Battery upgrade, for extended run time	Tug Axis 1T/2T	EDBA1020
TYRES		
Non-marking grey tyre upgrade (size: 410/350-6)	Tug range	EDWH1400F
Puncture-proof tyres (poly-filled, size: 410 x 350-6)	Tug range	EDWH1410F
Puncture-proof tyres (poly-filled, grey non-marking, size: 410 x 350-6)	Tug Compact	EDWH1420
Puncture-proof tyres (poly-filled, size: 13/5 x 6)	Tug Axis 1T/2T tonne	EDWH1290F
Puncture-proof tyres (poly-filled, grey non-marking, size: 13.5 x 5.5-8)	Tug Axis 4T/5T tonne	SIE0187










# Hitches

## GZUNDA HITCHING OPTIONS

### Common hitch bars

Suitable for Gzunda bed movers and linen movers.

HITCH	SUITABILITY	APPLICATIONS	SIZE	ORDER CODE
<b>Flex hitch kit with hitch bar</b> 	Gzunda patient movers.	Hospital beds, stretchers, treatment chairs and low-lying trolleys/gurneys.	780 mm length	EDHTFLEX001
<b>Ratchet hitch kit with hitch bar</b> 	Gzunda patient movers.	Hospital beds, stretchers, treatment chairs and low-lying trolleys/gurneys.	780 mm length	EDHTRATCH001
<b>Manual gripper hitch kit with hitch bar.</b> 	Gzunda bariatric patient mover only.	Hospital beds, stretchers, treatment chairs and low-lying trolleys/gurneys.	780 mm length	EDHTMANGRIP001
<b>Manual gripper hitch kit with hitch bar.</b> 	Gzunda patient movers (excluding bariatric).	Hospital beds, stretchers, treatment chairs and low-lying trolleys/gurneys.	780 mm length	EDHTMANGRIP002
<b>Automatic gripper hitch kit with hitch bar.</b> 	Gzunda patient movers (suits 20-40 mm bed frames).	Hospital beds, stretchers, treatment chairs and low-lying trolleys/gurneys. It has manual adjustment to suit any bed frame.	780 mm length	EDHTAUTOGRIP001
<b>Groove hitch kit</b> 	Gzunda linen mover	Moulded plastic laundry trolleys with a width of 700-720 mm. It has manual height adjustment to suit any handle height/handle slots.	650 mm (overall length of bar). Hitch range: 295-650 mm (horizontal) and 95 mm (vertical).	EDHTGROOVE001*
<b>Clamp hitch kit (general duty).</b> 	Tug Compact linen mover.	Metal framed trolleys, caged linen trolleys, surgical instrument Rapini trolleys and tall stock trolleys.	520-720 mm length	EDHTCLAMP001






\* EDHTGROOVE001: The whole hitch bar can be manually raised up and down to suit different handle slots. The 95 mm vertical hitch range relates to the range of movement inside the hitch point to allow it to securely hold on to the trolley.

# Hitches



## GZUNDA HITCHING OPTIONS

### Retrofittable hitch kits

Suitable for the common hitch bars (to enable multiple hitch styles on your bed mover or linen mover).

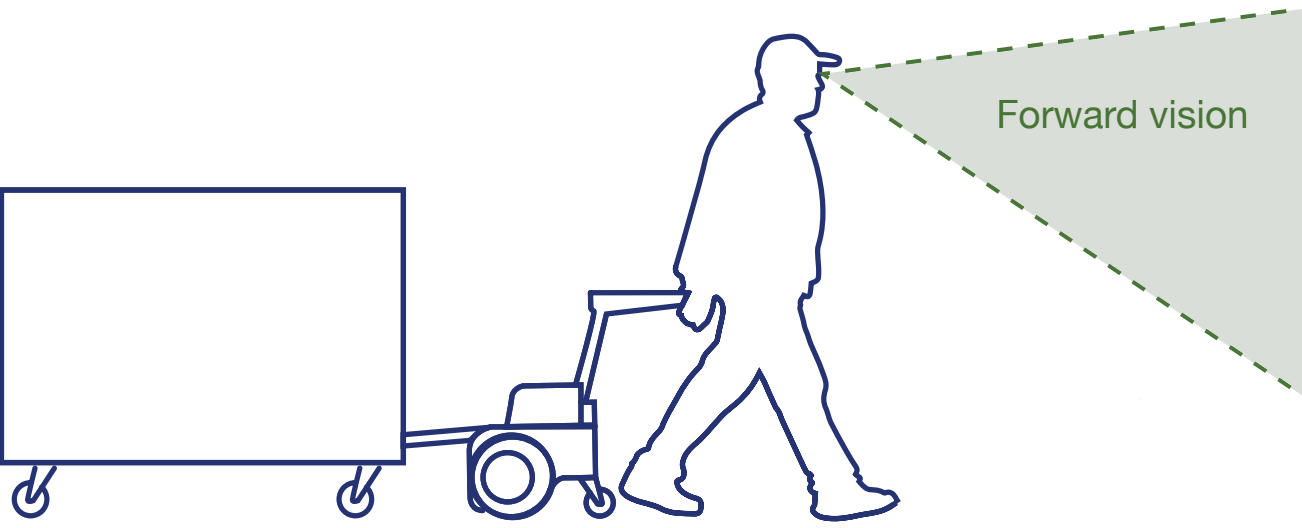
			
HITCH UNIT KIT	Flex	Ratchet	Automatic gripper
ORDER CODE	EDHTFLEX001-001	EDHTRATCH001-001	EDHTGRIPP001-001
			
HITCH UNIT KIT	Manual gripper	Manual gripper	
ORDER CODE	EDHTMANGRIPPER-001	EDHTMANGRIP-002	

### Hitch extensions

		
HITCH UNIT KIT	60 mm hitch extension suits GZ10SL and GZS.	120 mm hitch extension suits GZ10SL and GZS.
ORDER CODE	EDHTHITCHEXT60	EDHTHITCHEXT120



# Stay in front of the load



## Towing heavy loads

It is widely accepted that the best way to move a heavy load is by putting it in on wheels. What isn't commonly known is that the safest way of moving a heavy wheeled load, is by towing it with a battery powered tug.

While there are a wide variety of powered tugs on the market to choose from, only Electrodrive tugs are ergonomically designed to keep the operator in front of the load.

### Maximise forward visibility

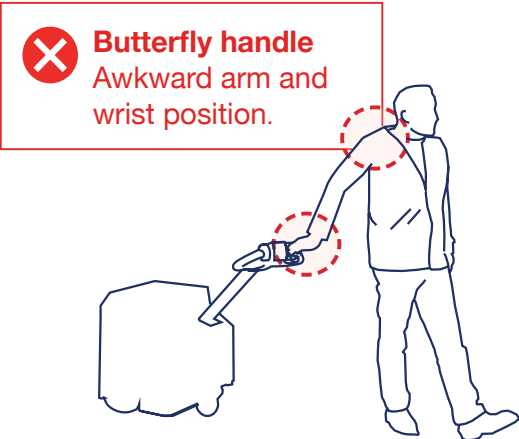
Being in front of the load provides maximum forward vision, reducing the risk of collisions with other people, equipment and structures. An Electrodrive tug features a unique tiller design that helps the operator maintain correct walking posture and reduces the risk of strains to shoulders, arms and wrists from repetitive use.

### Not all electric tugs are created equal

While it is possible to stay in front of the load with other powered tugs, their butterfly shaped controllers are primarily designed for the operator to grip the handle with both hands and push the load. If used for towing, the butterfly handle design puts the operator's shoulders, arm and wrist at a very awkward angle. Travelling over any distance in this position is not ergonomic for the operator and could increase the risk of shoulder, arm or wrist strains.

### An ergonomic natural walking position

By contrast, the tiller handle drive system on Electrodrive tugs seamlessly interact with how the human body moves while walking, keeping the operator in a comfortable position.



# Service and maintenance

Serviced Equipment technicians are specially trained to diagnose and repair mobile equipment using original manufacture components.

## Authorised service agent

Serviced Equipment, a leading provider of preventative maintenance and breakdown repair services for the health and industrial sectors. Serviced Equipment keep an electronic record of each service and maintain a complete service history on your behalf. The service history will support the resale value of your asset. Our fixed price Preventative Maintenance Plans (PMPs) are designed to give you the cover you need and give you peace of mind without surprises.



**Phone:** 1300 934 471 (within Australia)  
(Mon-Fri: 7.30 am to 4.00 pm)  
**Email:** service@fallshaw.com.au  
**Web:** www.servicedequipment.com.au

## Preventative Maintenance Plans and fees

Electrodrive and Liftmaster equipment is supported with spare parts and service for a minimum period of 10 years from date of purchase. After 10 years, spare parts provisioning and maintenance may not be supported if the costs of sourcing obsolete parts, or the amount of wear and tear is prohibitive. If equipment is past its practicable life, then we'll offer trade-ins to upgrade equipment as part of our commitment to environmental sustainability and to reward loyal customers. Each Preventative Maintenance Plan option provides you with two service calls per year. Any extra work is an additional cost. Servicing in rural and regional areas and outside Australia can be quoted upon request.

## Preventative Maintenance Plans prices

PLAN OPTIONS	ZONE	PRICE (EX. GST)	ORDER CODE
SILVER UNITS UP TO 5 YEARS*	1: All capital cities.	\$ 990 per annum <sup>1</sup>	PMSILVER<5YRZ1
	2: Outer suburbs.	\$ 1,080 per annum <sup>1</sup>	PMSILVER<5YRZ2
GOLD UNITS UP TO 5 YEARS*	1: All capital cities.	\$ 1,690 per annum <sup>1</sup>	PMGOLD<5YRZ1
	2: Outer suburbs.	\$ 1,780 per annum <sup>1</sup>	PMGOLD<5YRZ2
SILVER UNITS 5 TO 10 YEARS*	1: All capital cities.	\$ 1,490 per annum <sup>1</sup>	PMSILVER510YRZ1
	2: Outer suburbs.	\$ 1,580 per annum <sup>1</sup>	PMSILVER5-10YRZ2
GOLD UNITS 5 TO 10 YEARS*	1: All capital cities.	\$ 3,380 per annum <sup>1</sup>	PMGOLD5-10YRZ1
	2: Outer suburbs.	\$ 3,470 per annum <sup>1</sup>	PMGOLD5-10YRZ2

\* Preventative Maintenance Plans vary in cost for units less than 5 years of age, versus 5-10 years of age (from the date of the original invoice). Please note that the heavy-duty tugs (4T, 5T and 10T) are excluded from any preventative maintenance in the field that requires specialist lifting equipment to gain access to the underbelly of the unit (unless the customer is able to supply that equipment in a safe working environment and in compliance with our safety procedures).

Customers can either return the unit to any Fallshaw workshop (in VIC/NSW or QLD) to have preventative maintenance activities safely undertaken using specialist lifting equipment; or, have all other preventative maintenance activities performed in the field, and, in the event of any subsequent breakdown (within the contracted PMP term) associated with components in the underbelly, return the unit to a Fallshaw location (at Fallshaw's cost) to have the unit made good.

<sup>1</sup> Subject to change on price list revisions.

## Service call out charges

ZONE	DESCRIPTION	PRICE (EX. GST)	ORDER CODE
1	All capital cities	\$ 180	CALL OUT Zone 1
2	Outer suburbs	\$ 225	CALL OUT Zone 2



## Service labour charges

	PRICE (EX. GST)	ORDER CODE
Service labour standard rate (for adhoc work outside of a Preventative Maintenance Contract).	\$ 155	LABOUR STANDARD
Service labour 20% discounted (for adhoc work outside the two included service calls when covered by a Preventative Maintenance Contract).	\$ 124	LABOUR PMP







## Preventative Maintenance Plans inclusions

INCLUSIONS		SILVER EXTENDED WARRANTY (while PMP is in place)	GOLD EXTENDED WARRANTY (while PMP is in place)	STANDARD WARRANTY (with or without PMP in place)
SERVICE	Labour charge	✓	✓	1 year
	Call out fee	✓	✓	
	Travel charge	✓	✓	
BASIC SPARE PARTS	Handgrip	✓	✓	1 year
	Lever	✓	✓	
	Cable	✓	✓	
	Spring	✓	✓	
	Emergency reverse / safety button	✓	✓	
	Castor / castor wheel	✓	✓	
	Fuse	✓	✓	
	Chain	✓	✓	
	Wiring looms	✓	✓	
	Potentiometer	✓	✓	
	Throttle	✓	✓	
	Horn buzzer	✓	✓	
	Fuel gauge	✓	✓	
	Charger socket / plug	✓	✓	
	Door latch	✓	✓	
MAJOR SPARE PARTS	Polyurethane drive wheel	✗	✓	1 year
	Tyre and tube (pneumatic wheel)	✗	✓	
	Sprocket	✗	✓	
	Locking pin	✗	✓	
	Bearings / bush	✗	✓	
	Actuators	✗	✓	
	Transaxle	✗	✓	
	Hub motor	✗	✓	
	Motor	✗	✓	
	PCB membrane key pad	✗	✓	
	Hour meter / indicator	✗	✓	
	Gearbox	✗	✓	
	Tiller handle—complete assembly	✗	✓	
	Controller	✗	✓	
	Forklift drive wheel	✗	✓	
	Hydraulic cylinder	✗	✓	
	Cam bar	✗	✓	
	Guide rail	✗	✓	
	Door	✗	✓	
	Cage	✗	✓	
Covers	✗	✓		
INCLUDED IN PMP only during standard warranty period	Lithium Ion batteries			3 years
	Gel cell batteries			1 year
	Chargers			
	Foam filled pneumatics			
	Plug—3 pin charger			
	Key switch and key			
	Battery leads			
	Loom—charger with socket			
	Any other parts not stated			
	Repairs that require welding and/or fabrication must be sent back to one of our Fallshaw workshops (VIC, NSW or Ql, D) for an assessment & quotation prior to commencing the work.			

# Warranty

Fallshaw Group's products are warranted against defects in materials or workmanship for the following periods:

BRAND	WARRANTY PERIOD	WARRANTY TYPE	TERMS & CONDITIONS OF USE	TERMS & CONDITIONS
 <b>Fallshaw</b> <b>Fallshaw</b> Wheels and castors	<ul style="list-style-type: none"> <li>• 3 years (unless excluded below).</li> <li>• 1 year: <ul style="list-style-type: none"> <li>• High temperature castors.</li> <li>• Pneumatic and puncture proof wheels, tyres and tubes.</li> <li>• Wheels used in supermarket and traveller applications.</li> <li>• Powder-coated castors used in shower chair applications.</li> </ul> </li> </ul>	Replacement parts sent to customer at Fallshaw Group's expense.  The warranty does not extend to fitting of the replacement parts.	Terms and conditions of use for Fallshaw wheels and castors  <a href="http://www.fallshaw.com.au/information/conditions-of-use-for-castors">www.fallshaw.com.au/information/conditions-of-use-for-castors</a>	The websites, catalogue and operating manuals specify the Conditions of Use, installation and maintenance for our products. Failure to comply with the Conditions of Use may void your warranty (and Preventative Maintenance Plan extended warranty where applicable).  This warranty excludes the effects of fair wear and tear, abuse, misuse, improper installation and inadequate maintenance.
 <b>Electrodrive</b> <b>Electrodrive</b> Powered mobility equipment	<ul style="list-style-type: none"> <li>• 3 years: Lithium Ion batteries.</li> <li>• 1 year: <ul style="list-style-type: none"> <li>• Unit.</li> <li>• Spare parts.</li> <li>• Gel cell batteries.</li> </ul> </li> </ul>	Replacement parts sent to customer at Fallshaw Group's expense.  The warranty covers fitting the replacement part/s and making good the unit subject to the unit being in a capital city (including the outer suburbs of capital cities, within zones 1 and 2 on the freight calculator on <a href="http://fallshaw.com.au">fallshaw.com.au</a> ) or returned to a Fallshaw Group location (in VIC, NSW or QLD as per the web site above).	Terms and conditions of use for Electrodrive and Liftmaster equipment  <a href="http://www.electrodrive.com.au/terms-and-conditions.aspx">www.electrodrive.com.au/terms-and-conditions.aspx</a>	Customers should choose, use and maintain our product according to our recommendations, or they may become unsafe or product life could be compromised, and our liability may be voided. In unusual or severe applications not clearly similar to those on the website or in the catalogue, the customer is invited to submit a written application against which we will make a recommendation, and which will form a part of the acceptable use conditions of the recommended product.
 <b>LIFTMASTER</b> <b>Liftmaster</b> Waste handling equipment				
 <b>CASTORS &amp; INDUSTRIAL</b> <b>Castors &amp; Industrial</b> Materials handling equipment				
 <b>SERVICED EQUIPMENT</b> <b>Serviced Equipment</b> Preventative Maintenance Plans and technical service	<ul style="list-style-type: none"> <li>• 1 year: Service labour.</li> </ul>	Any travel beyond zone 2 is chargeable at the published rates.  Repairs such as welding and fabrication (ie. repairing cracked steel or weld) are not covered under Preventative Maintenance Plans. In the event that your machine needs welding or fabrication it must be sent back to one of our Fallshaw workshops for an assessment and quotation prior to commencing the work.	Terms and conditions of use for Serviced Equipment Preventative Maintenance Plans  <a href="http://www.servicedequipment.com.au/plans.php">www.servicedequipment.com.au/plans.php</a>	If our catalogue is unclear, or if your application is not clearly covered by the examples given in the catalogue, we ask you to contact our staff for advice. We want to help, and we have the technical information to share if we know your needs.





**Fallshaw**  
GROUP

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SOLUTIONS TO SAFELY **PUSH, PULL & LIFT**

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