

# Tug hitching options

## Secure connections for safe, efficient towing

Hitching to loads is a critical part of operating any Electrodrive powered tug. Whether you're moving linen trolleys through a hospital corridor or towing heavy bins across a warehouse floor, the right hitch ensures a secure, smooth, and safe operation.

Electrodrive offers a standard range of purpose-built hitches designed to suit a variety of tug models and trolley types—from compact and lightweight jobs to industrial-grade towing tasks. Our hitches are engineered for reliability, ease of use, and compatibility with our full range of tugs, including the Tug Compact, Tug Rise, Tug Axis, and Tug Tough.

Need something custom made? Our team can custom-manufacture hitches tailored to your unique trolley design or operational requirements.

## Hitches in the range

- Pin hitches for meal trolleys, roll cages and spring-loaded drawbars.
- Auto-latching hitches for fast, hands-free hitching.
- Clamp hitches for linen trolleys with no dedicated tow point.
- Bin hitches for towing standard wheelie bins or multiple 660/1100 litre bins.

Take a closer look.  
Scan the QR code.



## Pin hitch

Designed for trolleys with tow bars—such as meal and stock trolleys—the pin hitch can also be mounted upside-down for spring-loaded drawbars that push upward, reducing the need to bend.

### Suitability

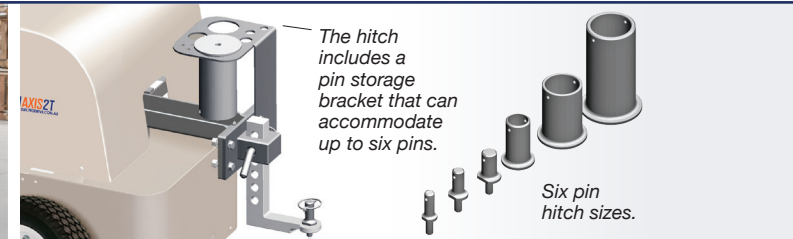
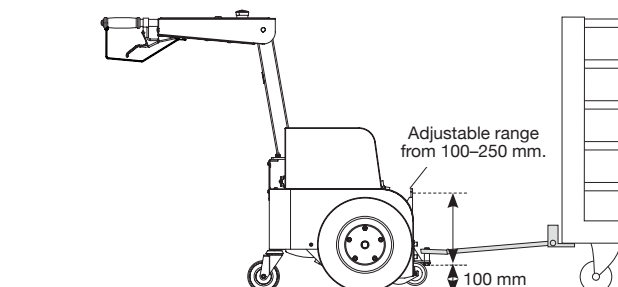
For use on Compact Tug (16mm, 19mm); Tug Rise 1T (19mm, 25mm); Tug Axis 1T and 2T (16mm, 19mm); Tug Axis 4T and 5T (19mm, 25mm) and Tug Tough 10T (39mm, 50mm).

When fitted to the Tug Compact and Tug Tough, the pin hitch enables vertical and horizontal movement.  
*Note: When fitted to the Tug Axis, the turret must be locked to disable pivoting, otherwise uncontrolled movement will occur.*

### Applications

Meal trolleys for hospitals, roll cages for supermarkets.

Diameter	Order code
16 mm	EDHT1810-002 (Tug Compact only) or EDHT1313
19 mm	EDHT1810-043 (Tug Compact only) or EDHT1316
25 mm	EDHT1810-054 (standard for 660/1100L bins)
39 mm	EDHT10TPIN
50 mm	EDHT10TPIN50
16, 19, 25, 40, 65, 80 mm	EDUNIPINHITCH (includes hitch and six pin diameters)



## Universal pin hitch system

A flexible, height-adjustable towing solution for heavy-duty applications, the Universal Pin Hitch is designed for versatility—offering height adjustment and compatibility with six standard pin diameters to suit a wide range of trolleys and connection types.

### Suitability

Compatible with all Electrodrive powered tugs, excluding the Tug Compact and Tug Tough 10T.

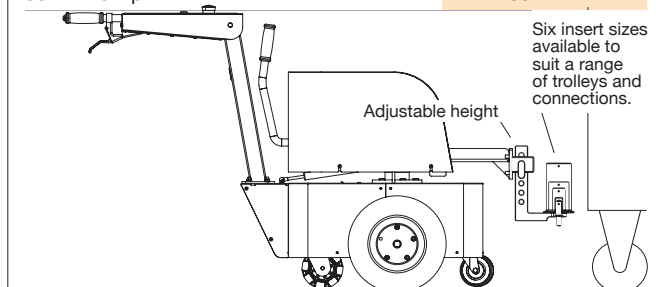
### Applications

Ideal for industrial and heavy-duty trolleys with loads of up to 5T.

### Ordering information

Hitch and pins are ordered separately to suit individual application needs. Please select the appropriate pin sizes from the table.

Description	Order code
Universal pin hitch with storage bracket that can store up to 6 pin sizes. Pins sold separately (choose from pin sizes below)	EDUNIPINHITCH-NP
16 mm tow pin	EDPIN16MM
19 mm tow pin	EDPIN19MM
25 mm tow pin	EDPIN25MM
40 mm tow pin	EDPIN40MM
65 mm tow pin	EDPIN65MM
80 mm tow pin	EDPIN80MM





## Auto-latching hitch

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.

### Suitability

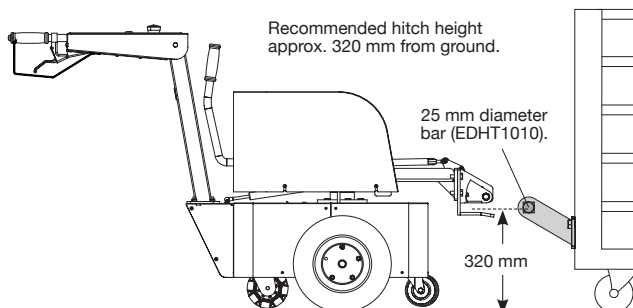
For use on Tug Rise 1T and Tug Axis range (1T, 2T, 4T and 5T models).

### Applications

Industrial, heavier-duty trolleys with loads of 1-2 tonne.

#### Order code

EDHT1810-024



## Clamp hitch

Clamp hitches secure the trolley by gripping the frame from the outside, clamping the load between two opposing hooks. Commonly used on linen trolleys in hospitals, hotels, and by linen service providers. Fits trolley widths between 520–720 mm.

EDHTCLAMP001 hitch must be supplied with EDHT1810-006 (self-centering hitch) for the Tug Compact or EDHT1810-035 (optional skate hitch). EDHTCLAMP002 does not require self-centering.

### Suitability

Ideal for trolleys that do not have an existing hitch point to connect to. General Duty Clamp Hitch (EDHTCLAMP001) is suitable for use on the Tug Compact. Heavy Duty Clamp Hitch (EDHTCLAMP002) is suitable for use on the Tug Axis 1/2T.

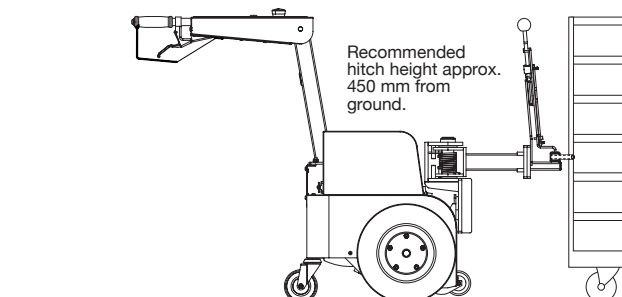
### Applications

Linen trolleys, roll cages and trolleys with wire mesh sides.

#### Order code

EDHTCLAMP001 (general duty)

EDHTCLAMP002 (heavy duty)



## U-bolt adaptor hitch

Designed for towing steel bins, the U-bolt adaptor hitch provides a secure connection point for bins fitted with a U-bolt attachment.

### Suitability

Engineered for use with the Tug Rise 1T when towing steel bins fitted with a U-bolt attachment that meets the required dimensions (see diagram below).

The adaptor hitch (pictured above) simply slides onto the existing U-bolt on your bin (pictured right), providing a secure and reliable towing connection.



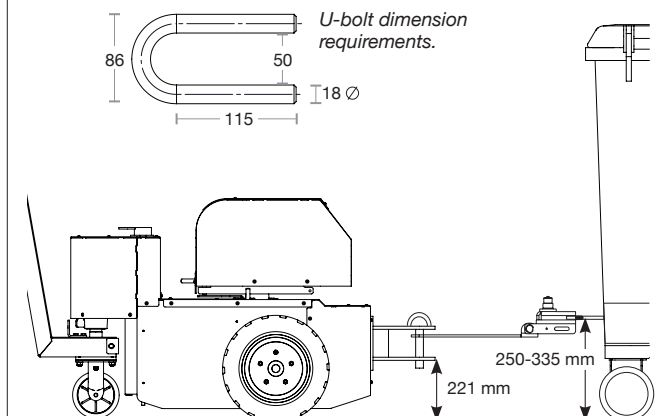
### Applications

Ideal for towing commercial or industrial steel bins fitted with a U-bolt attachment.

#### Order code

EDUBOLTHITCH

*Note: U-bolt not supplied with U-bolt adaptor hitch (EDUBOLTHITCH).*



## Tug hitching options



### Double wheelie bin hitch

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.

#### Suitability

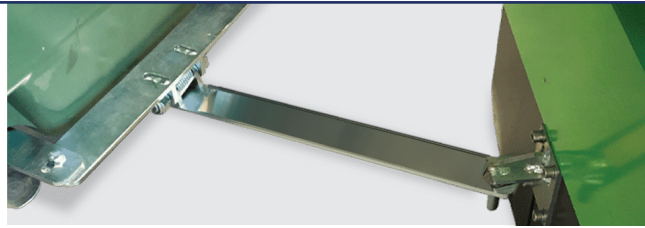
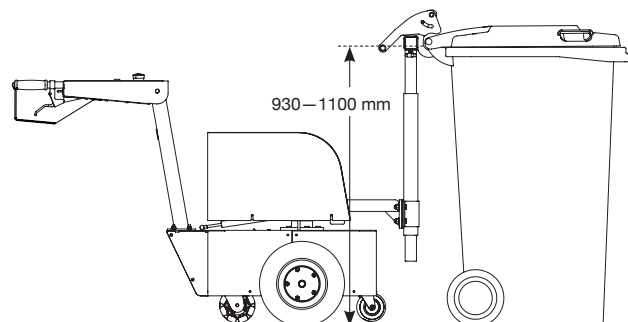
For use on Tug Compact and the Tug Axis range.

#### Applications

Moving moulded wheelie bins ranging from 80 to 240 litres with adjustable height and width.

Order code

EDTWINBINHITCH



### 660 & 1100 litre bin hitches

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. *(Note: Must be used with 29 mm pin hitch (EDHT1810-052).)*

#### Suitability

For use on Tug Rise and the Tug Axis range.

#### Applications

For towing one or more 660 and 1100 litre bins.

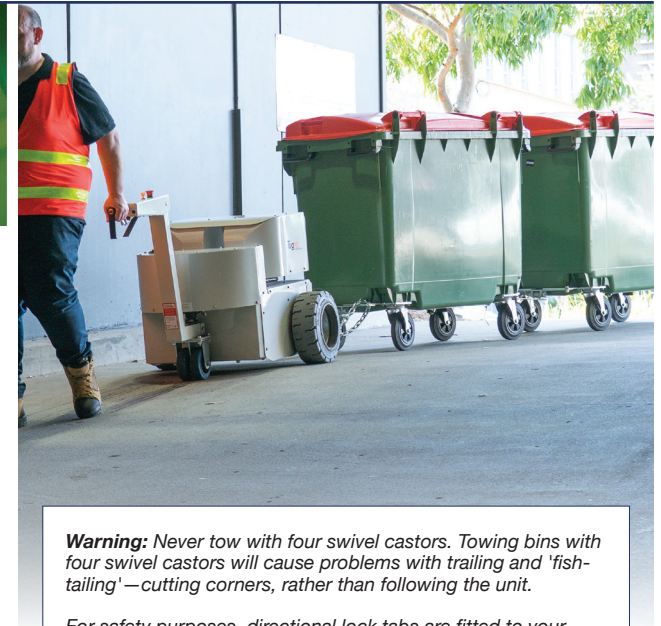
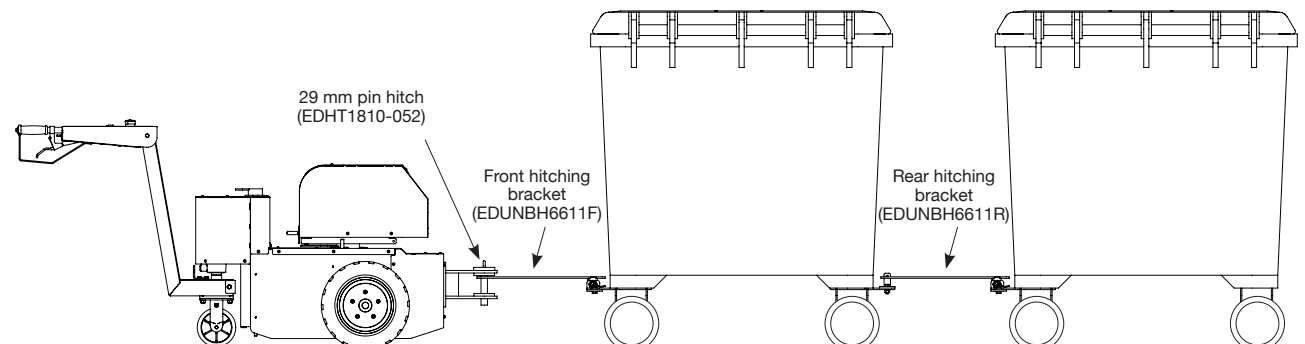
#### Accessories

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 'fish-tailing'—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.