



## Introduction

The Cheating Camel kitset bike trailers are a low cost way of obtaining a light-weight and strong, load-carrying trailer to tow behind your bike. They designed to take two wheels, which doesn't disrupt the balance of the bike and, with the medium and large trailers, can carry more weight than a typical single wheel trailer.

## Wheels

The cheapest way to make the trailer is to find your own second-hand wheels off an old bike, but you can get new wheels with the kitset or from a local bike shop.

For the medium and large trailer 24" wheels are the perfect size. 20" wheels are good stability wise, but may require wooden inserts to raise the bins. 26" wheels are ok for the large trailer, but too unstable for the medium & small trailers. For the small trailer 12" or 16" wheels are best – anything larger will be unstable.

## Bins

Bins are very handy for easily transferring groceries at the supermarket. Stowers Bunnings and Mitre 10 all have a good selection of crates, with and without lids. For details see [www.cycletrailers.co.nz/crates.pdf](http://www.cycletrailers.co.nz/crates.pdf). Decks and slings can also work but usually require lots of strapping down of loads which is not as convenient.

## Extra hitches

If you wish to connect the same trailer to a second bike you can order an extra hitch base with towball.

## Which trailer is for me?

This depends on what loads you are carrying. For smaller loads of shopping (< 30 kg) the small trailer will be the cheapest option. The bins have to be screwed to the frame or strapped to a deck, and so can't be removed as easily. The small trailer is compact enough to wheel through a supermarket and because the wheels are at the back it can be more easily used as a hand cart. Because the load is above the wheel axle it is more prone to rolling if you hit bumps at speed than the medium & large trailer.

If you're carrying heavier loads (up to 100kg) or longer loads like ladders or surfboards, the medium or large trailers are better. The load is more evenly balanced over the wheels and the bins simply drop into the frame with no straps required which is very handy for moving them into your shopping trolley & transferring shopping at the checkout, back to the trailer and into your home. The width of the trailer can be adjusted to suit your bin size.

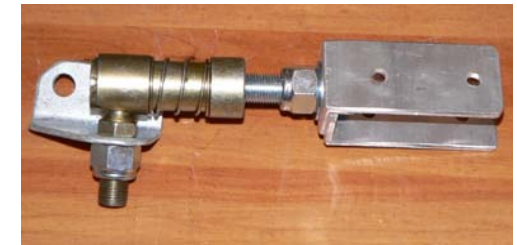
A wooden trailer kitset is also available where you construct a wooden frame and the kitset provides instructions, a bolt on towbar, wheel dropouts and the hitch.



Large trailer with 24" wheels and two 600x400mm 75 litre RE-crates from Stowers.



Quick release ball joint hitch and base



Complete hitch with 25mm tow bar bracket



Small trailer with 16" wheels and 68 litre eco-bin from Stowers made from fully recycled plastic with waterproof lid.