

MMC Bike Rack System

These were developed by Matt Sillars of Sport Southland in conjunction with Metalworks Engineering (Te Anau).

They were used successfully in the 2013 – 2016 Milford Mountain Classic Road Cycle event to transport around 55 road bikes (on 3 racks), from Te Anau to Milford Sound.

The racks are owned by:

Te Anau Community Events Charitable Trust [info@teanauevents.co.nz; Ph 021 250 3401]

There are 3 units which each break down into a small flat pack and take less than 5 mins each to reassemble.

Capacity of each rack is around 16 bikes each – racked in two levels on each rack.

Each bike is cable tied onto the rack bars (the bike frames protected on the bars by foam “noodles”). They are designed to be loaded from the curtain sider side of the truck trailer, with bikes alternating facing the front & rear to get the best pack. Wooden spacer “plates” are added on the outside to eliminate “sag” or “bounce” in transit.

One rack set has one (of the two rack levels), with a slightly lower setup to accommodate small framed bikes.

Each rack needs to allow the following space (including bike overhang):

Unit Width: 1700mm

Unit Depth: 2200mm

Unit Height: 2400mm

The units are easily man-handled onto the truck and have normally been stropped on the solid wall & floor.

While each bike is relatively light, special note needs to be made of the value of each bike (& hence the load) – could be of the order of an average of more than \$6,000 each (with some up to \$10,000)!

