

# TRAILER SNAKE

## FOR Y SMALL AND LARGE

### PART NUMBER: 400953

The Trailer Snake allows one Y-Frame to tow another Y-Frame behind it. This allows one bicycle to tow multiple trailers. The total weight of all trailers and their cargo must not exceed 100kg (50kg on bicycles with quick release axles). Both trailers must be fitted with the Lollypop hitch. The Trailer Snake works on Y-Small and Y-Large trailers.

#### TRAILER SNAKE FITTING

You will need an 8mm drill, to make holes in the trailers load bed.

- 1) Remove the wheels from the trailer, and sit it on a firm surface with the load bed facing up.
- 2) Remove the left hand rear bolt that secures the load bed to the trailers axle beam.
- 3) Place the Trailer Snake onto the load bed so its stud sticks upright, and hangs over the rear edge of the trailer.
- 4) Bolt the trailer snake to the load bed/axle beam using an M8x50 bolt (supplied). For Y-Small's use the middle of the three 8mm holes in the Trailer Snake, for Y-Large's use the 8mm hole furthest from the stud.

NB: The edge of the trailer snake should be at right angles to the back edge of the load bed. You can use this sheet of paper to check this. When the short edge of the paper is touching the edge of the trailer snake the long edge should be in line with the load beds back edge.

- 5) Use the trailer snake as a drilling guide to drill the two remaining holes into the load bed. Use a sharp drill with a fast rotation and light pressure to avoid splintering the rear face of the load bed.

NB: You can also reduce splintering further by supporting the load bed on a scrap piece of wood, so the drill drills through the load bed into the scrap wood.

- 6) Use the two M8x20 bolts to secure the Trailer Snake to the load bed using the new holes. The large washer goes to the underside of the load bed.

**STRANGE CONFIGURATIONS** - The trailer snake can be fitted to anything to allow it to tow a Y-Frame trailer, but it must be supported on its underside to within 40mm of the towing stud. There must also be 40mm clearance around the stud to allow the lollypop hitch to attach easily. For welding purposes it is A2 Stainless Steel. You must leave enough clearance for effective articulation, and you are responsible for judging the safety and legality of what you have created.

**TO DO AND NOT TO DO** - Do not cycle faster than 20kph with the trailer snake. Practice cycling with both trailers away from traffic, in particular be aware of your left hand turning circle. Please be aware that car drivers do not expect trailers to be this long.

**TO USE** - Refer to the Lollypop Hitch instructions for general advice on hitching, safety, and maintenance. The front trailer must be heaviest of the pair. There must be a positive nose weight on both trailers of more than 5kg. Check the nose weight of the lead trailer once the trailing trailer is hitched to it.

