



SWIVELWHEEL-ECO

The Swivelwheel-ECO is an economy system designed to transport small light weight items behind most vehicles. This can be anything from lawn equipment, luggage, camping equipment, motor scooters, generators, etc. The system comes with a 500 pound load rating. All systems incorporate a torsion suspension system that swivels 360 degrees.

CANNOT FISHTAIL

Standard level deck height is 23" with a 4.80 x 6", C-Rated, 6-Ply highway speed trailer tire. An optional 5.70 x 8", D-Rated, 8-Ply tire is available. This tire will raise the deck height slightly.

The **Swivelwheel-ECO** configuration is for those that would like to finish building the system. ***The system is shipped complete with everything except the deck. This allows the customer the ability to install any desired decking.*** This could be plywood, sheet metal, expanded metal, etc.

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The systems include a hitch assembly that installs into any Class-I or higher receiver hitch. There are two adjustment holes on the hitch bar, and the bar may also be flipped over for additional adjustments.



The Hitch Assembly includes two adjustable front mounts. These mounts have a series of adjustment holes. This allows for the leveling of the deck depending on the tow vehicles receiver height. Lowest receiver height is about 10" to the center of the receiver. Once the level position is located, the remaining upright material may be removed if desired.

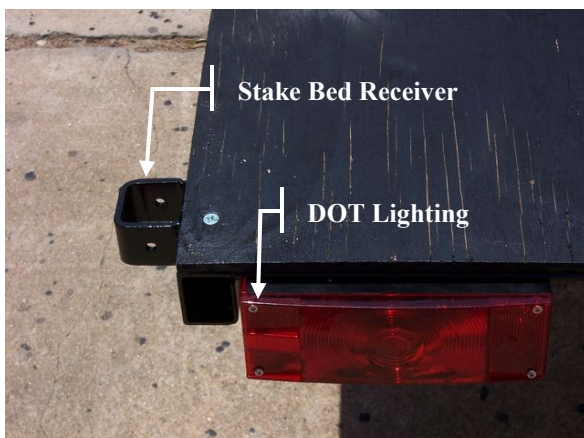


CANNOT JACKKNIFE



All systems are shipped with DOT regulation lighting & 4-wire flat trailer plug. Front support legs with wheels are provided to allow for the movement of the system while disconnected from the tow vehicle. There are four 1 5/8" x 1 5/8" ID stake bed receivers for tie down positions.

All frames are made out of 1 1/2" x 2" rectangular steel tubing. Tongue weights with the Swivelwheel-ECO system are determined by the load and where it is located on the deck. Some values are shown on the reverse side of this literature.



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The following chart shows examples of tongue weights associated with the Swivelwheel-ECO system. The system tested is the Swivelwheel-ECO product with 48" wide x 60" long deck. The Swivelwheel-ECO systems empty weight is 180 pounds. Be aware that tongue weights could vary depending on the location of the deck the load is placed. All of the below figures are with the load centered on the platform deck. It is recommended to centrally locate your cargo onto the deck. Use the below figures as a base line.

In the sampling below: **If using a Class-I receiver on the tow vehicle, you could carry about 350 pounds of load before overloading the rating of 200 pounds for that receiver.** A Class-III receiver and higher could carry the complete 500 pound weight capacity.

Class-I Receiver	=	200 Pound Tongue Weight
Class-II Receiver	=	300 / 350 Pound Tongue Weight
Class-III Receiver	=	350 / 500 Pound Tongue Weight
Class-IV Receiver	=	1000 Pound Tongue Weight
Class-V Receiver	=	1200 Pound Tongue Weight

Be aware that not all vehicles are capable of having a receiver package installed. These are usually compact and sub-compact models. **Never exceed the hitch rating of the tow vehicle. Exceeding the hitch rating could have adverse effects on the tow vehicles handling.** Vehicle manufacturers set the load rating for their vehicles. Adding a higher rated receiver onto a tow vehicle than the manufacturer of that vehicle specifies, will not increase the towing and tongue weight capacity of that vehicle. It is the responsibility of the customer to assure that the weights being applied to the tow vehicle are within manufacturers guidelines.

<u>ADDED WEIGHT</u>	<u>TONGUE WEIGHT</u>	<u>WEIGHT @ TIRE</u>
58 Pounds	70 Pounds	121 Pounds
116 Pounds	96 Pounds	153 Pounds
174 Pounds	122 Pounds	186 Pounds
232 Pounds	147 Pounds	219 Pounds
290 Pounds	171 Pounds	253 Pounds
348 Pounds	198 Pounds	285 Pounds
406 Pounds	224 Pounds	318 Pounds
464 Pounds	250 Pounds	350 Pounds
486 Pounds	261 Pounds	362 Pounds
508 Pounds	270 Pounds	376 Pounds

<u>FEATURE</u>	<u>SWIVELWHEEL ECO</u>
Frame Material	1 1/2" x 2" Rectangular Steel Tubing
Deck Material	1/2" Treated Plywood w/ Steel Frame
Deck Dimension	48" Wide x 60" Long
Tire & Wheel	<u>Standard</u> 4.80 x 6", C-Rated, 6-Ply Rated Hwy Speed Trailer Tire <u>Optional</u> 5.70 x 8", D-Rated, 8-Ply
Lighting	Regulation DOT Lighting w/ 4-Wire Flat Trailer Plug
Suspension	Torsion Suspension
Load Rating	500 Pounds
Minimum Receiver Height (Center of Receiver)	10"



The photos above (Car Top Carrier from Sears) and right (Plywood Side Retainers) show some ideas for use with the Swivelwheel ECO. These add on products are not supplied by Fast Master Products.

