

# Operation Manual

## Axle-mounted Trailer Hitch

52015



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.

The information contained in this document may alter at any time without prior notice. No part of this document may be copied or otherwise duplicated without prior written consent. All rights reserved. WilTec Wildanger Technik GmbH cannot be held liable for any possible mistakes in this operating manual, nor in the diagrams and illustrations shown.

Although WilTec Wildanger Technik GmbH has made every possible effort to ensure that this operating manual is complete, accurate, and up-to-date, errors cannot be ruled out entirely.

If you have found an error or wish to suggest an improvement, we look forward to hearing from you. Send us an e-mail to:

[service@wiltec.info](mailto:service@wiltec.info)

or use our contact form:

<https://www.wiltec.de/contacts/>

The most recent version of this manual in several languages can be found in our online shop:

<https://www.wiltec.de/docsearch>

Our postal address is:

WilTec Wildanger Technik GmbH  
Königsbenden 12  
52249 Eschweiler Germany

Do you wish to collect your goods? Our address for collection is:

WilTec Wildanger Technik GmbH  
Königsbenden 28  
52249 Eschweiler Germany

In order to shorten the waiting time and to allow for an easy on-site processing, we kindly ask you to contact us briefly beforehand or to place your order via the webshop.

E-mail: [service@wiltec.info](mailto:service@wiltec.info)

Phone: +49 2403 55592-0

Fax: +49 2403 55592-15

To return your goods for exchange, repair, or other purposes, please use the following address. Attention! To allow for a trouble-free complaint or return, it is important to contact our customer service team before returning your goods.

Retourenabteilung  
WilTec Wildanger Technik GmbH  
Königsbenden 28  
52249 Eschweiler Germany

E-mail: [service@wiltec.info](mailto:service@wiltec.info)

Phone: +49 2403 55592-0

Fax: (+49 2403 55592-15)



## Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it.

Keep these operation instructions in a safe place.



### Attention:

- Before every use, absolutely check the drawbar, wheels, and all plug connections for proper and safe seat.
- Only use the trailer in case no damage has been found before use. Especially check the tension straps for damages and proper seat.
- **The use of a trailer modifies the handling of a bicycle. Therefore, note and respect the following warnings:**
  - Do not make too sharp turns. The trailer is always slightly dislocated inwards, and there is a risk of it getting stuck on obstacles, e.g., the pavement.
  - While making turns, the speed needs to be reduced to prevent the trailer from tipping over.
  - Try to avoid braking while making turns for the unbraked mass of the trailer forces the rear wheel outwards. With too high a charge, the team might become ungovernable.
  - Make sure that the brakes of the bicycle towing are strong enough.
  - Do not turn about the bicycle-trailer team on one and the same spot, for too low a turning radius might damage the drawbar.

## Charging

- Heavy objects should be charged as deeply as possible inside the trailer and over the axles.
- Make sure that the charge is well secured to prevent it from shifting during your ride.
- The maximum capacity is 65 kg.
- Do not use flexible straps to secure the charge. It is recommended to use appropriate lashing straps.
- Absolutely check before ride if the charge is securely fixed. When driving on unmade roads, you should check the charge several times for it being securely fixed.

## Safety equipment

The following information give you a little overview of the safety equipment required by **German** legislation. Read up on special regulations, differences valid in your respective country, and safety precautions required when using a bicycle trailer.

The lights of a trailer are defined by para. 67a of the federal Road Traffic Licensing Regulations (*Straßenverkehrs-Zulassungs-Ordnung, StVZO*). As for entire bicycles, trailers can only be equipped with approved components. These have a certification mark issued by German Federal Motor Transport Authority (*Kraftfahrtbundesamt, KBA*) and consisting of a wavy line and three to five digits. The lights must not be covered. The minimum equipment required comprises:

- in general:
  - two red category "Z" cat's-eyes of with a max. distance of 20 cm from the outer edge;
  - with effect to both sides,
    - ringlike reflector strips fixed to the wheel or felloe
    - or reflecting spokes (all spokes!)
    - or reflecting spoke sleeves fixed to every spoke
    - or a minimum of two yellow spoke reflectors mounted to every wheel and shifted by 180°.

- concerning trailers with a width inferior to 60 cm, with more than 50 % of the visible luminous surface of the rear light of the bicycle covered, an additional red rear light
- concerning trailers with a width superior to 60 cm:
  - with forward effect, two white reflectors with a maximum distance of 20 cm from the outer edge
  - with backward effect, a red rear light
- concerning trailers with a width superior to 100 cm, with forward effect, two white reflectors with a maximum distance of 20 cm from the outer edge and an additional headlamp on the left.

The trailer hitch installed needs to ensure that the trailer does not tip over in case the bicycle tilts.

Transport of persons in a cargo trailer is not permitted. Persons may only be transported in trailers designated to and approved for this use. In that case, safety and charge prescriptions must be respected.

**In Austria**, the decree concerning bicycles, as amended in 1999, stipulates the following:

#### *Regulations concerning towing trailers*

§ 3. (1) Besides the prescriptions of the para. 1 and 2, the following additional prescriptions apply to bicycles towing a trailer:

1. the pedalling mechanism of the bicycle must have at least one gear with a maximum speed of 4 m per pedal revolution;
2. in case children are transported in the trailer, the bicycle or trailer must be equipped so that the children transported cannot touch the spokes and that the children's extremities cannot be jammed between the rear wheel and its cover;
3. the bicycle must be equipped with a stand.

(2) Concerning racing bicycles used for towing a trailer, the prescriptions of para. 3 sec. 1 apply analogously.

#### **Installation**





Open the quick clamp and remove the opposite nut and spring. Hold the lever and pull out the axle and spring. Remove the complete axle, but make sure that the wheel stays in place.

Slide the connecting piece onto the axle. The bride end of the spring should point outwards and touch the lever. The arched part of the connecting piece should point outwards, the hook of the washer towards the hub.

Insert the end of the axle through the hub and the hook of the washer into the frame notch. Re-place the spring (bride end pointing outwards!) onto the end of the axle and re-mount the nut.

Set the clamp to a right angle, tighten the nut by hand, and clamp the lever. Connect the trailer with the connecting piece by using a locking stud.

#### Important Note:

Reproduction and any commercial use (of parts) of this operating manual, requires a written permission of WilTec Wildanger Technik GmbH.