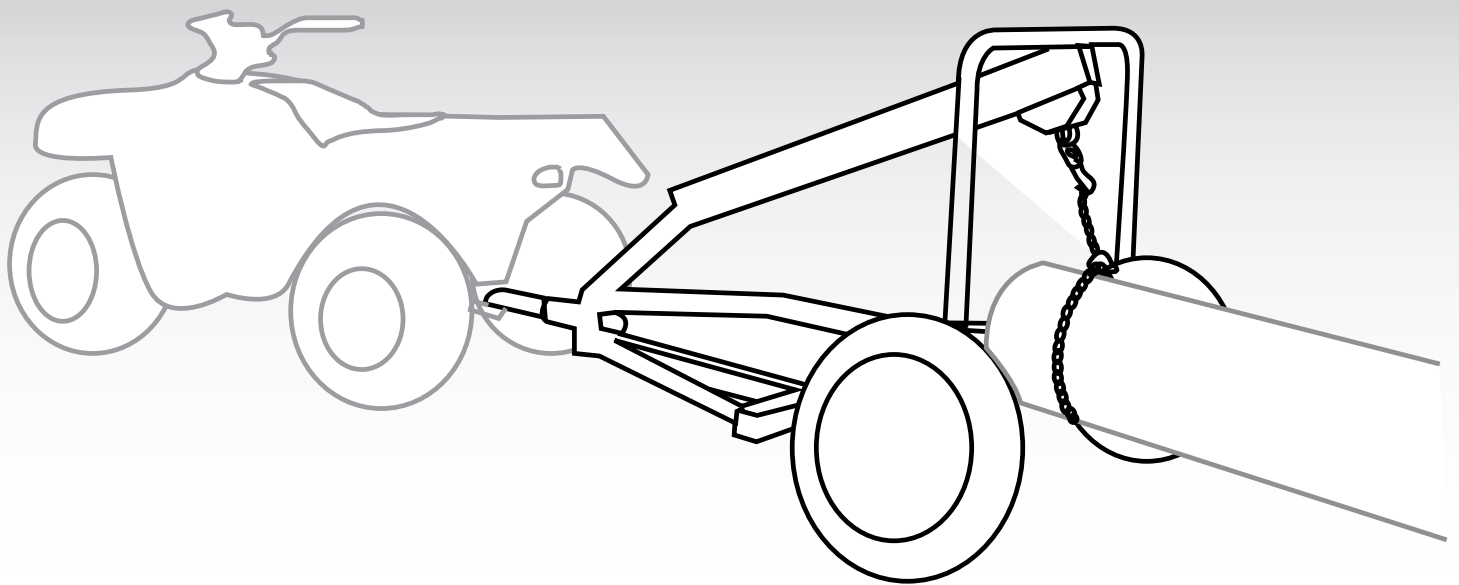


# LOGOSOL USER MANUAL

TRANSLATION OF ORIGINAL USER MANUAL.

ITEM NO: 0458-395-3001



## LOGOSOL CLIVUS Log Skidder Trailer



Read through the user manual carefully and make sure you understand its contents before you use the equipment.



This user manual contains important safety instructions.



**WARNING!** Incorrect use can result in serious or fatal injuries to the operator or others.

## **INTRODUCTION**

In this user manual you find important information that you will need for using your log skidder trailer safely.

Read through the instructions carefully before you start using the trailer in order to avoid injuring yourself or others.

## **ADDITIONAL INFORMATION**

If you think that this manual lacks some information, please contact the seller for more details.

LOGOSOL continuously develops its products.  
For this reason, we must reserve the right to modify  
the configuration and design of our products  
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## SAFETY INSTRUCTIONS



**Read through the following safety instructions carefully before you use the log skidder trailer.**

- Risk of crush injury along the sliding rail, which lifts the log when the trailer is in motion. The lifting is done automatically. Due to this, you should never be near the sliding rail when the trailer is in motion!
- Use common sense when using the log skidder trailer! It is not designed to manage high speed. Since the trailer is relatively lightweight when not carrying load, it can overturn if you are driving in rough terrain.
- The maximum speed for the log skidder trailer is 30 km/h.
- Ensure that no one is near the trailer when reversing it. There is risk of crushing between the log and the trailer.
- The lifting handles at the rear of the trailer are for lifting the trailer over logs that you cannot reach by reversing the trailer. Since the trailer is heavy, it is important that you lift it correctly. Lift it with your back straight and your knees bent.
- The log skidder is not designed to be used on public roads.

### KEY TO SYMBOLS



For your own safety, read through the entire user manual carefully and do not use the equipment before you have understood everything. Do not let anyone who have not read the manual use the equipment.



This symbol means 'WARNING'. Pay particular attention where this symbol appears in the manual text.



A warning comes after this symbol. Pay particular attention where this symbol appears in the manual text.

## GET ACQUAINTED WITH THE LOG SKIDDER TRAILER

To get you acquainted with your trailer, a couple of illustrations that describe the parts of the trailer follow below.

### 1. THE SLIDING RAIL

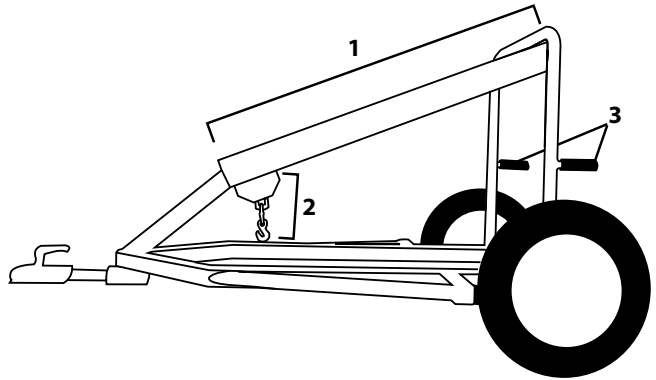
When the trailer is moving forward, the inclination of the sliding rail makes the carriage lift the log, as the carriage travels upwards on the sliding rail.

### 2. THE CARRIAGE

The skidder chain that holds the log is connected to the hook of the carriage.

### 3. THE LIFTING HANDLES

You use the lifting handles when you have to lift the trailer into position over a log.



## THE SKIDDER CHAIN

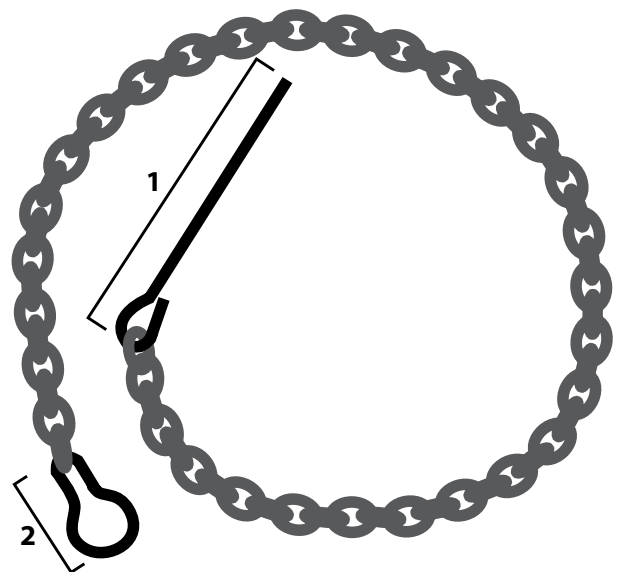
Since it is the skidder chain that attaches the load to the trailer, it is important that it is used correctly!

### 1. THE PIN

The pin helps get the chain under the log.

### 2. LOCKING LOOP

The chain is then passed through the locking loop to create a simple noose around the log.

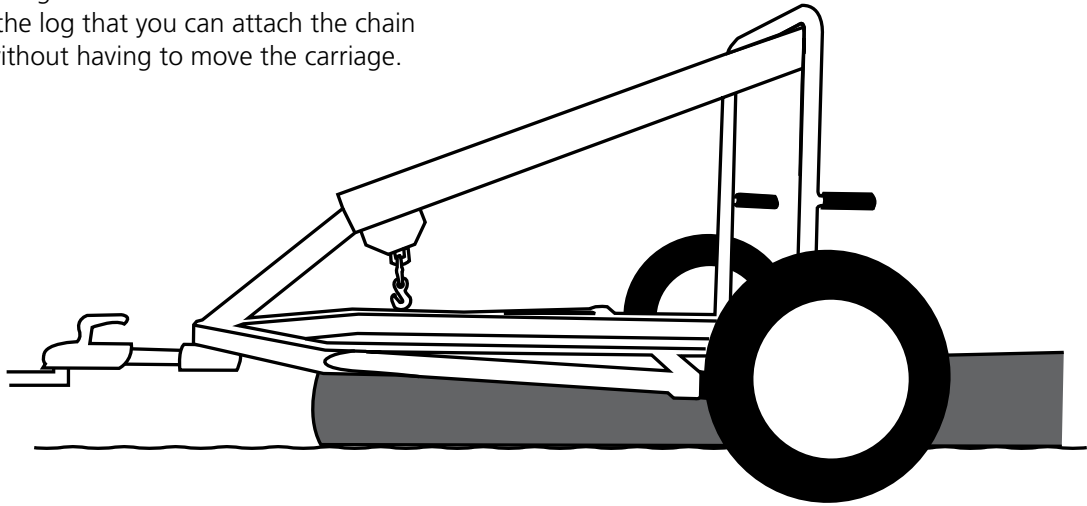


## THE TRAILER IN OPERATION

Here is a description that shows how you use the trailer to transport a log

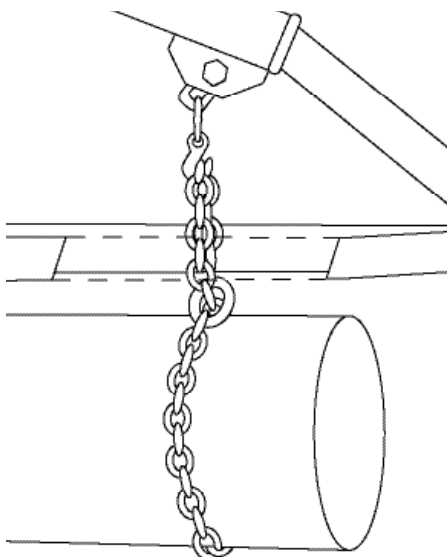
### REVERSE THE TRAILER OVER THE LOG

When you are going to attach the log to the trailer you have to take good care to reverse the trailer so far back over the log that you can attach the chain to the hook without having to move the carriage.



### USE THE SKIDDER CHAIN

Start by using the pin to get the chain under the log. Then pass the pin through the locking loop to get a good grip on the log. Stretch the chain and attach it to the carriage hook. Its design is such that the chain is locked in its grip.

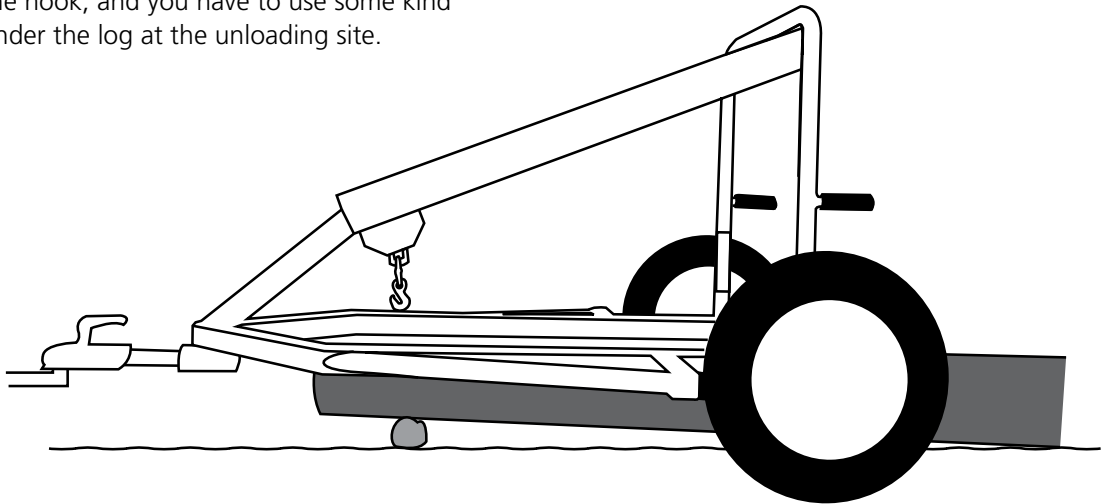


## UNLOADING THE LOG

To release the log at the unloading site, you just reverse the trailer to make the carriage come in its lowest position, then lift the chain from the hook and release the log from the chain noose.

## ALWAYS ADJUST THE LENGTH OF THE CHAIN TO THE SURFACE OF THE STARTING POINT AND THE STOPPING POINT

If the log end is lying high above the ground when loading, the chain between the noose and the hook should not be stretched, but be given some extra length. Otherwise, there is a great risk that the log will hang from the chain when you are unloading it, even though the carriage is at its lowest point on the sliding rail. In such case, the chain cannot be lifted from the hook, and you have to use some kind of support under the log at the unloading site.



**ASSEMBLY INSTRUCTIONS**



**PARTS LIST (BELONGS TO)**

Frame	1 pc	Bolt M10x55 (ball coupling)	2 pcs
Trailer hitch axle	1 pc	Bolt M10x60 (lower mount, tube arch)	2 pcs
Bushing for trailer hitch axle	2 pcs	Bolt M10x80 (rear mount, sliding rail)	2 pcs
Tube spacer	1 pc	Bolt M10x85 (lower mount, sliding rail)	2 pcs
Ball coupling	1 pc	Bolt M10x100 (rollers on carriage)	2 pcs
Wheel hub with square shaft	2 pcs	Bolt M12x60	2 pcs
Wheel	2 pcs	Lock nut M8	4 pcs
Tube arch	1 pc	Lock nut M10	15 pcs
Wheel guards	2 pcs	Lock nut M12	2 pcs
Sliding rail with carriage	1 pc	Flat washer M6	4 pcs
Lifting hook incl. chain with pin	1 pc	Flat washer M8	4 pcs
Sliding rail cover	1 pc	Flat washer M10	18 pcs
Bolt M6x16 (sliding rail cover)	4 pcs	Flat washer M12	2 pcs
Bolt M8x80 (wheel guards)	4 pcs	Wheel nut M12 (tapered)	8 pcs
Bolt M10x25 (carriage)	3 pcs	Decal	2 pcs
Bolt M10x40 (lifting hook – link plates)	2 pcs		



1. Start by fitting the two bushings for the trailer hitch axle in the front part of the frame, one on each side. Use a rubber mallet and tap them gently into place, as seen in the picture.



2. Insert the trailer hitch axle, as seen in the picture.



3. Install the black tube spacer on the trailer hitch axle and then fit the ball coupling using **two M10x55 + M10 lock nuts**.



4. Fit the wheel hubs by inserting them into the square-shaped holes at the rear of the frame, as seen in the picture. Secure them with one **M12x60 + M12 washer** and one **M12 lock nut** (the nut is placed in a hexagonal hole on the lower side of frame). Tighten firmly.





5. Fit the wheels using the included **M12 wheel nuts**. Note that the tapered side of the nut should be facing the wheel rim, in order to centre the wheel on the hub.



6. Press the tube arch onto the shaft stubs at the rear of the frame.



7. Secure the tube arch with **two M10x60 + M10 lock nuts and M10 washers**.



8. Fit the sliding rail. Start by fitting it to the tube arch using **two M10x80 + M10 lock nuts and M10 washers** on the side where the nuts is.

***Tip:** You can facilitate the assembly by securing the sliding rail with a screwdriver or the like in one of the holes, while you are inserting the screw into the other hole.*



9. Fit the sliding rail front mount to the frame using **two M10x85 + M10 lock nuts** and **M10 washers** on the side where the nuts is.



10. Assemble the side pieces, including rollers, using **two M10x100, two M10 lock nuts, two M10 washers** and **three M10x25, three M10 lock nuts** and **three M10 brickor**.



11. Fit the link plates and the lifting hook to the sliding rail, using **two M10x40** including **M10 lock nuts** and **M10 washers**.



12. Fit the cover over the sliding rail with the opening for the tube arch facing the rear of the trailer. Secure the cover with **four M6x16** including **M6 washers**.



13. Fit the wheel guards on each side of the frame, as seen in the picture. Use **four M8x80** including **M8 lock nuts** with **M8 washers** on the side where the nuts are.



14. Finish with placing the decals on each side of the sliding rail cover.



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