

# MANUAL



**filmcart.eu**  
PROFESSIONAL FILM CARTS



**Folding transport cart for the film industry  
by  
Filmcart  
(model SMARTONE)**

## Dear Customer

Thank you for choosing our Filmcart transport cart and the trust you put in our company. We are giving you a product that has been perfected and tested on many movie sets, which does not mean, however, that it is absolutely flawless. We listen attentively to all customer feedback regarding their experience with the use of our products in order to perfect these products even further and make them better suited to the needs of the users. Everyone at Filmcart gives their best to ensure that the cart is reliable and safe in use. However, after the product has been delivered to the User, the Manufacturer has no control over the manner in which the cart is used. Therefore, the company cannot assume any responsibility for the damage caused due to its use by the User. We advise you to read the user manual thoroughly before the first use of the cart. This will ensure its safe and effective use, minimizing the risk of damage and/or accidents.

## General description of Filmcart transport cart

Filmcart transport cart was designed by film professionals and engineers for specific movie set applications. It allows for safe and convenient transport of loads up to 200 kg by a single person. After disassembly it forms a compact, handy and relatively lightweight box that can be easily transported and stored. Filmcart transport cart was perfected and thoroughly tested in the difficult movie set conditions, which confirmed its usefulness and the effectiveness of the applied technical solutions.

### Warning:

*This cart can be used for transporting equipment of total weight up to 200 kg. The cart was not designed for transporting people and we recommend not using it for such purposes. We are aware that in specific film situations it would be beneficial to use such a reliable and convenient cart for filming special shots. However, please remember that it was not designed for such purposes, which are beyond the scope of its use, and therefore you assume full responsibility for any possible accidents.*

## Filmcart transport cart's unique features:

- The cart can be folded into a box, which occupies little space and is easy for transport. A folded cart can be stored safely in any position (it remains stable in any position and there is no risk of damaging the floor).
- After being folded, the cart fits into most cars, even compact ones.
- All cart parts are kept inside the box it is folded into.
- All parts used for blocking and immobilizing the wheels, platforms and legs are easily accessible and visible, which increases the level safety for the user and the transported equipment.
- The wheel handle are blocked in their slots with locks located on the upper surface of the lower platform, which provides easy access and reliability. The upper clamping bolts can be easily installed to secure the upper platform in place. The upper clamping bolts can be also used to hang objects on straps.
- The cart's load capacity is 200 kg, which satisfies the needs of most users while enabling the cart to be moved with little force by a single person.
- The cart platforms feature high fence, which increases the safety of the transported equipment.
- The cart is equipped with large wheels with special bearings, which ensures low rolling friction and requires little force to move the cart.
- The wheels are equipped with efficient brakes to make it possible to secure the cart in place and increase the safety of use.
- The cart is very manoeuvrable, which makes it easy to operate even in small spaces.
- A folded cart contains small wheels for transport convenience.



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## Basic specification:

### Dimensions after assembly:

Width: 630 mm  
Length: 1045 mm  
Height: 990 mm

### Dimensions when folded:

Width: 630 mm  
Length: 1045 mm  
Thickness: 170 mm  
Cart weight: 38 kg  
Maximum upper platform load: 80 kg  
Maximum lower platform load: 120kg  
Maximum total load: 200 kg

## dimensions



## Cart assembly and folding:

1. Place the folded transport cart flat on the floor with the upper platform facing upwards. The upper platform is the one without wheel slots and additional small transport wheels mounted on the shorter side of the platform.



2. Open the outer locks of the folded cart (in the box form). Red markings on the outer locks indicate that they have been opened.



3. Lift the upper platform and set it aside. It is convenient to place the platform against the wall (or a solid object) on its long side or lay it flat with the rubber sealing facing the floor.



## Cart assembly and folding

**4.** Lift one side of the lower platform by approximately 25 cm and slide the fixed wheel fork into the wheel slot located close to the edge with the small transport wheels. Secure the wheel against sliding out by using the lock on the upper side of the lower platform above the wheel slots - the lock must descend visibly, meaning that it is fully locked. Also ensure that the wheel fork has been completely slid into the wheel slot (the upper plate of the fork has been entered into the slot completely).



**5.** Slide the swivel wheel fork into the other wheel slot located on the same long side of the platform. Secure the wheel against sliding out by using the lock on the upper side of the lower platform above the wheel slot - the lock must descend visibly, meaning that it is fully locked. Also ensure that the wheel fork has been completely slid into the wheel slot (the upper plate of the fork has been entered into the slot completely).



**6.** Lift the other side of the lower platform and repeat the actions performed for the first two wheels: slide the fixed wheel fork into the wheel slot located close to the edge with small transport wheels (and secure it with the lock) and then slide the swivel wheel fork into the remaining slot, also securing it with the lock. As in the case of the two previously installed wheels, make sure that the upper sides of the wheel forks have been completely slid into the wheel slots (and do not protrude outside the platform) and that the wheel locks have been locked completely as well.



**7.** Lift the legs to a vertical position and secure them in place using the bottom locks. The leg holders are constructed so that the clamping bolts should automatically enter their slots while lifting the legs to the vertical position, which prevents the leg from falling down on the lower platform (even though the clamping bolt has not been tightened yet). However, when lifting the legs upwards, make sure that they have entered their slots and that the legs will not fall down under their own weight.



## Cart assembly and folding

**8.** If you want to install holders for additional cart accessories, now is the time do slide these holders onto the legs and make sure that the holders remaining on the cart legs after the previous use are correctly installed in the desired position.



**9.** Place the upper platform with its inner surface facing upwards on the lifted and locked legs. Due to the different leg spacing on each platform side (which enables the legs to lie next to each other on the cart's lower platform), the upper platform can be installed in only one way (the sockets with wider spacing on one side of the upper platform match only the legs with wider spacing on the same side of the lower platform). Carefully slide the upper platform sockets onto the vertically positioned legs and make sure that the upper platform rests flat and firmly on the legs, and that the legs are fully inserted into the sockets.



**10.** Take the upper clamping bolts from the lower platform and screw them into the threaded holes in the upper ends of the legs, pressing the upper platform against the legs. For longer transports, you can also screw the upper clamping bolts into the endings of the legs while they are lying flat on the cart's lower platform. In this way they will be fixed in one position, which prevents them from being lost.



**11.** Tighten the lower clamping bolts on the legs to stabilize the cart frame (it fixes the legs in their bottom holders).



**12.** Now the cart is ready for use.

## Practical remarks:

The transport cart is equipped with brakes mounted on the swivel wheels. These brakes are designed to be foot operated and enable the user to set the braking force by turning the brake regulator. With this feature, you can use the brake not only to immobilize the cart (in that case the regulator should be pushed in completely) but also to make pushing the cart on slopes easier and safer. When moving the cart with partially engaged brakes, make sure that the braking force on both wheels is similar (so that the cart will not turn) and stay alert to be able to push the brake fully in case the cart is accelerating too rapidly.



When using additional accessories to hang heavy equipment that remains outside of the cart, ensure appropriate cart balance to prevent it from falling over. When balancing the cart, place the load on the lower platform (in order to lower the center of mass as much as possible) so that the center of mass is in the center of the cart. Therefore, if the additional equipment is hanging outside of one of the cart's short sides, the additional load should be placed close to the opposite side on the lower platform. When preparing the cart, after all accessories have been installed, it is recommended to give the cart a tilt (while standing by to protect it from falling over) to ensure that it is properly balanced. If a loaded cart falls over on people, it can cause serious damage! After the assembly, secure the butterflies of the outer locks by placing them in a position closest to the cart's side frame. Butterflies left in the "open" position may hit walls, door frames or locks when passing through tight openings, which may cause damage to the outer locks or the hit objects.

## Folding:

To fold the cart, follow the assembly procedure in reverse order:

1. Loosen the cart's lower clamping bolts.
2. Screw out the upper clamping bolts from the threaded holes in the upper endings of the legs. Put the removed clamping bolts in the cart's lower platform.
3. Remove the upper platform from the legs and set it aside. It is convenient to place the platform against the wall (or a solid object) on its long side, with the inner surface facing the user or lay it flat with the rubber sealing facing the floor.
4. Unlock (lift) the lower leg locks and place the legs flat on the inner surface of the cart's lower platform. You can screw the clamping bolts of the upper legs into the upper endings of the legs to prevent them from getting lost and moving freely inside the folded cart. If some accessory holders are installed on the legs, remove the pipes from these holders and loosen the holders on the legs, placing them so that they are positioned properly on the lower platform's surface (if they are supposed to remain on the legs)
5. Unlock the swivel wheel lock, remove the wheel and put it on the inner side of the cart's lower platform.
6. Unlock the other wheel on the same side of the cart (the fixed wheel), remove the wheel and put it on the inner side of the cart's lower platform. It is best to place the wheels on the lower platform so that the forks face each other and the tires face the legs. In this way they will remain in a fixed position and the cart legs will not be scratched by the wheel forks.
7. Place one side of the lower platform on the floor (the side with removed wheels) so that the long side without wheels rests on the ground.
8. Unlock the swivel wheel lock, remove the wheel and put it on the inner side of the cart's lower platform.
9. Unlock the remaining wheel (the fixed wheel), remove the wheel and put it on the inner side of the cart's lower platform. Place the lower platform flat on the floor.
10. As with the first two removed wheels, it is best to place the wheels on the lower platform so that the forks face each other and the tires face the legs. Furthermore, the swivel wheels should be placed with their brakes facing the upper platform. In this way they will remain in a fixed position and the cart legs will not be scratched by the wheel forks.

## Folding

To fold the cart, follow the assembly procedure in reverse order:

11. Make sure that all cart parts are placed on the lower platform (wheels, cart legs lying flat on the platform, upper platform clamping bolts).



12. Place the upper platform (which now becomes the upper side of the box) on the lower platform so that the handle of this platform is on the same side as the small transport wheels on the lower platform. The transport handle on the upper platform is equipped with sturdy plates, which - in combination with the small transport wheels - makes it possible to place the folded cart in a vertical position as well. After ensuring that the upper side is placed properly on the bottom side, lock all four outer locks.

13. After making sure that the outer locks are properly locked (they have clamped the upper and bottom sides together and the red markings on the locks are not visible), you can lift the folded cart.

## Notes:

The transport cart can be easily transported when folded owing to the small external wheels placed on the cart's short side. However, keep in mind that these wheels are placed only on one side and therefore you must use the handle located on the opposite side of the cart (opposite to the side with the small transport wheels) while the folded cart itself must be placed with its upper side facing upwards. If you attempt to pull the folded cart with its upper side facing downwards, you can damage the cart and the floor! When sliding the folded cart out of a car trunk, lift its handle-equipped ending so that the cart moves on its transport wheels and not on the platform's edge. Otherwise you may damage the surface of the trunk!

## Practical advice:

A folded transport cart is relatively heavy (38 kg) and it may be difficult for a single person to take it out, especially with high vehicles or deep car trunks with high edges. From our experience, we found that it when the unloading is done by a single person, it might be much easier to disassemble the cart while it is still in the car trunk. After opening the outer locks, lifting the upper platform and removing the wheels (and putting these elements next to the car), the lower platform is much lighter and can be easily taken out even from a deep car trunk. In most cases, Filmcart transport cart is used for transporting filming equipment from the car to the movie set or the warehouse, which involves assembling the cart anyway, so disassembling the cart before taking it out of the car does not come as additional work.

## Basic safety rules

### Safety first!

Owing to its large wheels with special bearing, Filmcart transport cart offers exceptionally low rolling friction. As a result, even a fully loaded cart does not require much force and it can be easily operated by a single person. However, remember that a loaded transport cart that is moving with a low, walking speed possesses a dangerous amount of energy. With the maximum permissible weight of a loaded cart of 238 kg and a movement speed of 5 km/h, the cart has an energy of nearly 230 J and stopping it right away is practically impossible.

## Basic safety rules

### Safety first!

*If a loaded, moving cart hits a person or an obstacle, this may result in serious injury or damage. Slopes also pose a serious danger for a loaded cart that has not been immobilized. With a slope angle of 100 (a relatively small angle when walking), a fully loaded cart exerts a force of over 40 kG, which makes it practically impossible to be held in place by an average person! It is not difficult to imagine the speed that could be achieved by an unattended cart rolling down on such a slope as well as the damage it may cause. Act responsibly when using Filmcart transport cart and remember that you are the guarantor of its safe use.*

## Maintenance

*Filmcart transport cart does not require special maintenance apart from regular cleaning and controlling the tire pressure. In case the mechanical locks are covered with dirt (mud), they should be cleaned (a brush may be useful for that purpose). Wipe and dry all wetted parts. No cart parts require any greasing or additional maintenance.*

## Storage

*Before storing the cart for longer periods, disassemble it, clean (wash) it and dry it thoroughly, and fold into a box. Leaving the cart parts wet and/or dirty for longer periods of time may make it impossible to use it later or even lead to damage.*

## Warranty and service

*The manufacturer provides a two-year warranty period for this product from the date of its purchase. The warranty covers only defects regarding the used materials or product's performance that were present at the time of its purchase. The product will be repaired or replaced free of charge during the warranty period if it is recognized as faulty due to these defects. A proof of purchase must be presented (bill or invoice). The warranty does not cover any damage caused by wear and tear, overstrain, improper use or use of inappropriate accessories.*

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