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Parts of the multifunction wheelchair



- | | | |
|---|----------------------------------|-------------------|
| 1. Headrest | 7. Drive wheels with drum brakes | 14. Heel strap |
| 2. Push handle | 8. Quick change axle (quickpin) | 15. Calf supports |
| 3. Seat & back adjustment | 9. Tilt assist | 16. Leg support |
| 4. Hand brake | 10. Anti-tipping wheel | 17. Seat cushion |
| 5. T-handle screw for push handle height adjustment | 11. Parking brake | 18. Arm rest |
| 6. Side section | 12. Steering wheels | 19. Back cushion |
| | 13. Foot plates | |

Preface

Thank you for choosing a wheelchair from DRIVE MEDICAL.

You will not be disappointed by the design, functionality and quality of this modern and versatile wheelchair.

Please read these instructions for use carefully prior to initial use. They contain important safety information and valuable tips for the proper use and care of the wheelchair. If you have questions or need additional information, contact your DRIVE MEDICAL dealer who supplied your wheelchair.

These operating instructions contain all of the important information for adjusting and operating the MULTITEC nursing wheelchair.

The operating instructions are available online or can be requested from customer service. Enlarged formats for visually impaired persons can be displayed. Blind patients must be instructed by their attendant.

The MULTITEC is characterized by its high carrying capacity and its expanded adjustment options and as a result, it facilitates handling during daily care.

All repairs as well as some adjustments require special technical training and must therefore be made by the medical supplies dealer.

Declaration of conformity

For the MULTITEC multifunction wheelchair, DRIVE Medical GmbH & Co.KG declares compliance according to EC directive 93/42, taking changes through directive 2007/47/EC on medical devices into account.

Indication - Contraindication

Inability to walk or severely restricted walking ability as part of the basic need to move around in your own home and to leave your home to get some fresh air on a short walk or to reach the places usually in the surrounding area of your home where everyday business can be carried out.

The use of the wheelchair is not suitable in cases of

- Disorders of perception
- Severe loss of balance
- Loss of limbs to both arms
- Joint contractures/joint damage to both arms
- Inability to sit down

Scope of delivery

1. Multitec multifunction wheelchair
2. Instructions for use

Safety instructions

To ensure proper and safe use, please be sure to observe the following information:

STABILITY AND BALANCE

Your wheelchair is designed such that it ensures the stability you need during normal daily activities.

Each of your movements in the wheelchair has an effect on the center of gravity which can lead to tipping of the wheelchair. To increase your safety, we recommend using safety belts.

MAXIMUM WEIGHT

The maximum allowable user weight is 135 kg. However, the level of activity is an important factor. For example, an active user who weighs 100 kg may expose his/her wheelchair to higher stress than a user who weighs 135 kg. For this purpose, we recommend that you consult your DRIVE MEDICAL specialist dealer when selecting the wheelchair model based on your daily lifestyle.

REACHING AN OBJECT BEYOND THE CHAIR

The balance limits for reaching an object were determined through studies on a representative group of wheelchair users.

- Only the arms can be extended out beyond the wheelchair seat.
- The body and the head should remain within the limits of the seat.

DO NOT LEAN FORWARD

Do not lean your chest over the armrest. To reach an object in front of you, you must lean and bend downwards. For this reason, you must use the steering wheels as an aid (by facing them forwards) in order to attain stability and balance. Accurate orientation of the wheels is important for your safety.

DO NOT LEAN BACK

Position the wheelchair as close as possible to the desired object so that you can easily lift it with outstretched arms while you remain seated in the chair in a normal position. Do not lean back in any case since you can otherwise cause the chair to tip over.

LATERAL TRANSFER

This transfer can be performed alone, provided you have appropriate mobility and muscle tone.

- Position the wheelchair as close as possible to the place where you wish to sit such that the steering wheels are pointing forwards.

- Secure the parking brakes of the rear wheels.
- During the transfer, there will be little or no support underneath you; use a transfer board, if at all possible.
- If you are able to stand more or less upright and if you have sufficient upper body strength and mobility, you can transfer yourself forwards to another seat. Fold up the foot plate and push the foot support/leg support to the side to clear the way, bend your body forwards while you support yourself on the two armrests and stand up. Then push your body in the direction of the place where you wish to sit while distributing your weight on your arms and hands.

FORWARD TRANSFER

If this movement is difficult for you, we recommend obtaining assistance from an attendant or caregiver to ensure a transfer that is as easy and safe as possible. Secure both brakes and ensure that both steering wheels are pointing forwards. In doing so, be aware that you should not under any circumstances support yourself on the brakes during the transfer.

Then grasp the top of the armrests, support yourself on your arms in order to easily get up and the attendant can assist you in completing the transfer.

- Position yourself as near as possible to the place where you wish to sit.
- During the transfer, position yourself as far back in the seat as possible to prevent the seat cushion from being damaged or the wheelchair from tipping forward.
- Secure the two brakes; they should always be used as support for transfers.
- Never support yourself on the foot supports when sitting or getting up from the wheelchair.

TILTING, OVERCOMING OBSTACLES, SUCH AS CURBS

Getting up onto the sidewalk:

The attendant positions the wheelchair in forward gear in front of the sidewalk. He/she then tilts the wheelchair backwards until the steering wheels reach up onto the sidewalk; he/she pushes the wheelchair forward until the rear wheels are against the edge of the curb and pushes the wheelchair once again until the rear wheels roll over the edge of the curb.

Operating the tilt aid:

To maneuver around curbstones and over thresholds step firmly (with the left or right foot) on the tilt aid while simultaneously pushing down the handles. This ensures that lifting the front of the wheelchair is easier. Ensure that you are standing securely.

Getting down off the sidewalk:

The attendant positions the wheelchair facing forward with the back to the sidewalk and tilts it backwards until it is balanced. Then he/she pushes the wheelchair forward until the rear wheels touch the street, after it has driven over the obstacle. Then he/she gradually lowers the steering wheels to the ground.

Getting over stairs:

Since it is difficult to get over stairs, we recommend getting assistance from two attendants, one in front of the wheelchair and one behind the wheelchair.

The attendant positioned behind the wheelchair tilts it until it is balanced. Then he/she holds it against the first stair, gripping the handle firmly to help lift the wheelchair.

The attendant who is positioned in front of the wheelchair holds the front lateral frame firmly and lifts the chair over the stairs while the other person places one foot on the next stair and repeats the first step.

Do not lower the steering wheels of the wheelchair until the attendant positioned in front of the wheelchair has crossed the last stair.

To go down stairs, the same procedure as described above should be followed, in reverse order.

- ⚠ Do not attempt to lift the wheelchair by grasping any removable parts (for example, the armrests, leg supports or foot supports).
- ⚠ Avoid using an escalator.

TRAVELING ON INCLINES

We recommend avoiding ramps with an incline of more than 9°. In the case of larger inclines, there is a risk of tipping over if the wheels spin or when approaching an incline at an oblique angle.

Going up ramps:

Lean your upper body forward and operate the hand rims with rapid pushes to reach the proper speed. If you want to stop to rest along the way, the two brakes must be operated simultaneously.

Going down ramps:

Lean your upper body backwards and let the hand rims slide through your hands, ensuring that you can control the speed and direction.

- ⚠ Avoid sudden direction changes, never attempt to ascend or descend a ramp diagonally, and do not attempt to turn the wheelchair when ascending
- ⚠ The wheelchair is not suitable as a seat for driving a vehicle.

HEATING IN THE SUN OR NEAR HEATING ELEMENTS

The wheelchair must not be continuously exposed to temperatures over + 40°C. Otherwise the parts of the frame and the seat, backrest and armrests may heat up, which could lead to burns.

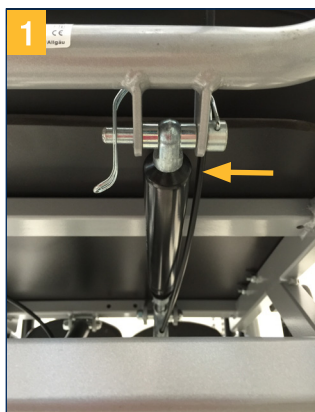
Preparing for use

Your multifunction wheelchair is usually delivered completely assembled. Some simple maneuvers will make it ready for use.

⚠ Risk of pinching!

Watch your fingers when folding and setting up the wheelchair and access the only the parts shown.

Locking the backrest



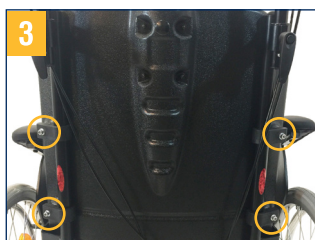
Set the backrest upright and attach the backrest to the frame base using the connecting pin. Push the connecting pin through the slots and secure the pin with the locking clip. Make sure that the pin is locked securely.

Mounting the back cushion



The supplied back cushion is attached to the back plate with a Velcro connection. Make sure that the back cushion is flush.

Adjusting the height of the backrest



To adjust the backrest height, loosen the 4 hexagon socket screws in the retaining clips and move the backrest into the desired position, then re-tighten screws.

Mounting the seat cushion



The seat cushion delivered with the wheelchair is fastened to the seat plate with Velcro.

Ensure that the seat cushion lies flush.

Mounting the armrests



Press the locking knob and push the side parts/armrests into the brackets provided for this purpose until they click into place.

Mounting the leg supports

Mount the leg supports on the brackets on the front provided for this purpose on the wheelchair. Turn the leg supports inward.

Ensure that the leg supports are securely in position.



Foot plates



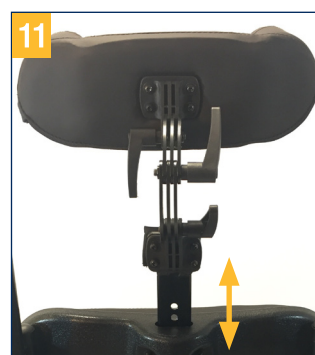
After you have inserted the leg supports, rotate the foot plates downward.



The supporting surface of the foot plates is telescopic.

Mounting the headrest

Insert the headrest into the provided bracket on the backrest. To do this, pull the locking knob (Fig. 10) out and push the headrest all the way down.



Let go of the locking knob and pull the headrest up until it snaps into the first position. Now, by pulling the locking pin outwards again and simultaneously pulling upwards, you can change the height of the headrest. Make sure that the locking knob snaps into the selected position. (Fig. 11).

Push handle

The push handle can easily be adjusted to the requirements of the attendant.

Loosen the T-screws on both sides of the push handle (Fig. 12 - 13) and bring the push handle into the desired position.

Take care that the T-screws are securely tightened again.



Height of the armrest

The height of the armrests can be adjusted for comfortable and fatigue-free sitting.

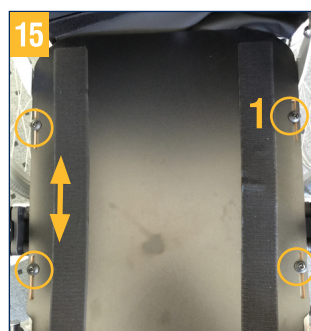
To change the height of the armrests, press the locking knob and pull the armrest upwards. (Fig. 14).

The armrest can be locked in 3 positions.

In addition, the armrest holder can be secured at 3 heights. (A)



Seat depth



Take the leg supports off and remove the seat cushion.

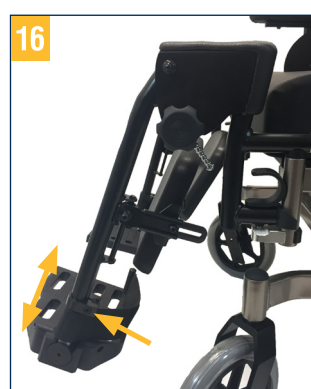
Loosen the fastening screws (1) beneath the seat surface.

Pull the entire front section out until it stops.

Retighten the fastening screws securely.

Reposition the seat cushion on the seat surface.

Length of lower leg



The adjustment is correct if, when your feet are placed on the foot plate, your thighs are placed horizontally.

Loosening the hexagon socket screw enables you to simply change the lower leg length. Retighten the hexagon socket screw after the adjustment.

Calf pads

The calf pads can be adjusted both in height and depth.



Height (Fig. 17):

To adjust the height of the calf pads as desired, first loosen the hexagon socket screw.

You can now change the position of the calf pads upwards or downwards. The refasten the hexagon socket screw.

Depth (Fig. 18):

The depth of the calf pads can be adjusted with a few maneuvers.

Loosen the hexagon socket screw and bring the calf pad into the desired position. Then retighten the hexagon socket screw.



Steering wheels



The height of the steering wheels can be changed in three steps.

⚠ Danger of tipping!

By adjusting the height of the steering wheels, the danger of tipping forward increases under certain circumstances.

Remove the screw of the wheel axle and remove the axle.

Mount the wheel at the desired height and screw the screw back in.

Using your multifunction wheelchair

Seat and back angle

The seat unit and the backrest angle can be continuously adjusted with the aid of a pneumatic spring.

When adjusting the seat and backrest angle, hold the push handle securely with both hands. Otherwise, there is a danger of tipping.

The adjustment can only be done under the load of the user.

Adjust seat and back angle

To prevent the wheelchair from rolling off unintentionally, first activate the parking brakes.

Hold both push handles securely with your hands.

- Press the left lever for continuous adjustment of the **seat angle**. (Fig. 20).
- Press the right lever for continuous adjustment of the **back angle**. (Fig. 21).

To perform the desired seat and back angle adjustment, press the push handles either upwards or downwards.

Release the lever in the desired position.

Check the chosen position for stability.



Leg supports

Raising the leg supports:

To raise the leg supports, loosen the star screw and push the leg supports into the desired position. Then retighten the star screw.



Lowering the leg supports:

To lower the leg supports again, loosen the star screw and swing the leg supports down. Tighten the star screw back in the desired position.



Taking off the leg supports:

To take the leg supports off, first raise the foot plates.

Pull the locking lever upwards and swing the leg supports to the side.

Pull the leg supports up and out.

When **mounting** them, perform the operation in the reverse order.

Ensure that the leg supports are correctly locked.

Removing the side parts



The side part can be removed so that it is easier to get in and out.

Press the locking knob and pull the armrest upwards out of its bracket.

To insert the arm rests, push them into the bracket until they snap into place.

Pushing and braking

Pushing and braking by an attendant:

If the wheelchair is steered by the attendant, the attendant can use the available drum brake as a driving and parking brake. This is especially an advantage for navigating slopes. The attendant operates the wheelchair by pushing on the provided push handles.

The brakes can be operated a little at a time during operation by pulling on the brake lever more or less depending on the need.



To park, the brakes are locked on both sides by pushing the brake lever. Then push the locking lever on the brake down so that it locks the brake lever.

The brake lever can now be released, and it remains in its position.

To release the parking brake, press the brake lever once.

Operating and braking without an attendant:

The person sitting in the wheelchair can operate the wheelchair himself/herself with the hand rim. He or she can also stop the wheelchair using the hand rim.

Anti-tipping wheels



The anti-tipping wheels prevent the wheelchair from tipping over backwards. They also serve to facilitate tilting by an attendant.

The height of the wheels can be adjusted.

Pull the silver-colored disc towards yourself and slide the tubing along the bracket up or down.

Tilt aid



The tilt aids help the attendant to tilt the wheelchair more easily and thus move over obstacles more easily.

First push the anti-tipping wheels into the highest position.

Step on the lever with your foot and balance with the push handle.

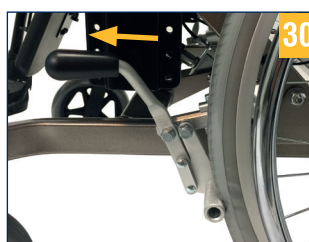
Parking brake

The parking brake enables the user to securely park the wheelchair.

Once the wheelchair is stationary, activate the parking brake (tire brake). Press the lever forward until it locks in place by itself.

Now the wheelchair is stable and you can turn or simply just park.

You release the parking brake by pulling the lever back.



Transport and collapsing

For transport in a personal vehicle or simply to make space, the backrest can be folded down. It then takes up very little space and can be easily stored.

In addition, the drive wheels can be easily taken off.

⚠ Important!

The wheelchair is not approved as a chair in vehicles such as a transport vehicle for the disabled!

Collapsing

Remove the seat and back cushions. Simply pull the cushion off.

Pull the locking pin on the back of the backrest out.

You can now fold the backrest down.

Putting the wheels on



Before you take the drive wheels off, secure the wheelchair against tipping.

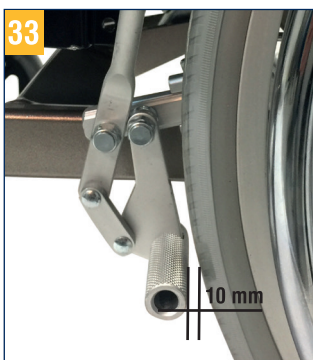
Press on the black knob on the quick-release axle to release the connection.

Then pull the drive wheel out.

Adjusting the brakes

Adjustments to the brake should be performed by trained professionals. If you have sufficient experience, you can also perform this work yourself.

Brake adjustment



The interval between the center mounting bolt and the tire cover must be 10 mm at the narrowest place when the brake mechanism is opened at its maximum.

To adjust/correct the interval, loosen both of the screws on the alignment bar of the parking brake.

Push the brakes into the correct position.

Then screw the screws back in securely and test the function.

You should not be able to push the wheelchair when the brakes are activated.

Drum brake



To achieve an optimal braking effect, the braking force is adjusted with the adjusting screw.

The braking force is enhanced by loosening the adjusting screw.

⚠ Important!

Take care to adjust simultaneously on both sides of the wheelchair.

Safety belt

An optional safety belt can be added. The secures and stabilizes the person sitting in the wheelchair. This effectively prevents the person from tipping forward out of the wheelchair.

The safety belt is fastened behind on the right and left to the back tubing. This addition should be done in a specialized workshop.

Maintenance instructions

We recommend that the entire wheelchair undergo an inspection by the dealer at least once a year. If there are problems or defects in the wheelchair, have it repaired immediately by the dealer.

Disposal

If your wheelchair is no longer being used and is to be discarded, ask your local disposal company about the regulations.

Cleaning / maintenance / re-use

Clean regularly with a moist cloth! Do not use any aggressive cleaning agents!

To disinfect, a spray disinfectant can be used such as Descosept AF or Bacillol AF.

Check the screws on the wheelchair regularly and tighten, if necessary.

Check the condition of the tires regularly. They are "fail-safe", meaning that you do not have to check air pressure or fill them with air. Always check the tires for tears or other damage, however.

In case of defects, contact your DRIVE MEDICAL dealer.

This product can be reused. Always follow the manufacturer's instructions during preparation; these are made available on request.

Service life

Our company assumes a service life of five years for this product as long as the product is used as intended and all maintenance and service requirements are observed.

This service life may be significantly exceeded if the product is carefully handled, repaired, maintained and used and there are no technical limits based on the further development of science and technology.

The service life may also be significantly shortened through extreme and improper use, however. Determination of the service life by our company does not represent any additional guarantee.

Warranty

The warranty is 24 months from the date of purchase.

Defective parts will be replaced free of charge if it can be shown that there is a defect in materials or manufacturing.

Parts subject to wear are generally not covered during the normal guarantee period unless the parts need repair or replacement which became necessary as a clear, direct consequence of a manufacturing or material error.

Parts subject to wear include (among others): Wheels, handles, brakes, seat and back cushions.

DRIVE Medical GmbH is only liable if the products are used under the aforementioned conditions and for the indicated purposes.

We recommend that the products be properly handled and maintained according to the instructions.

DRIVE Medical GmbH is not liable for damage caused by components and replacement parts not approved by DRIVE Medical GmbH.

Repairs must only be performed by authorized dealers or by the manufacturer itself.

We reserve the right of error and modifications on the basis of technical improvements and changes in design.

Type label



- 1 Product name
- 2 Article number
- 3 Serial number
- 4 Production date year/month
- 5 Follow the operating instructions

Specifications

WITHOUT DRUM BRAKE			
Seat width	39 cm	44 cm	49 cm
Order No.	900 950 100	900 950 200	900 950 300
WITH DRUM BRAKE			
Seat width	39 cm	44 cm	49 cm
Order No.	900 900 100	900 900 200	900 900 300
Overall width	41 / 65 cm	65 / 70 cm	70 / 75 cm
WEIGHT			
Weight without drum brake	31 kg	32 kg	33 kg
Weight with drum brake	32.5 kg	33.5 kg	34.5 kg
GENERAL DIMENSIONS			
Overall length	112 - 152 cm		
Overall height	97 - 114 cm		
Seat depth	42 - 48 cm		
Seat height	45 cm		
Seat angle	-1° to 19°		
Backrest height	51 - 65 cm		
Backrest angle	-3° to 36°		
Foot support length (min/max)	46 - 60 cm		
Knee angle	68°		
Max. load	135 kg		



Ihr Fachhändler / Your specialist dealer /
Votre distributeur / Uw speciaalzaak:

Irrtum und Änderungen vorbehalten / Subject to error and change / Sous réserve d'erreurs et de modifications / Drukfouten en wijzigingen voorbehouden.
Stand / Last updated / Actualisation / Versie: 13.03.2018