DIETZ Rehab

tauron|rsi®

User manual for manual XXL-wheelchair Version 4.2

EN

Product identification data

We recommend that you write down your product identification data from the nameplate in the table below, so that you have these on hand should you require any further information about your product (see Product labelling, fig. 51)*.

TYP Type / model:	
REF Item No. / REF:	
SN Serial number (21):	
Date of manufacture:	
Other information/notes:	

* The identification data or the product label may differ on custom-made devices

Thank you for purchasing an manual XXL wheelchair tauron|rsi from DIETZ.

This wheelchair is a medical aid. In order to use it properly and avoid possible risks due to unintended use, you must become thoroughly familiar with its operation.

Read this user manual carefully before you begin to use your new tauron|rsi. They contain important safety instructions and valuable tips on correctly using the wheelchair.

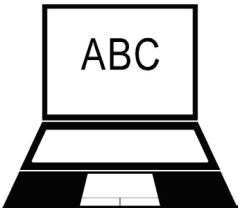
You will also receive information related to the operational and traffic-related safety of your XXL wheelchair and find out how to retain as much of its value as possible.

If you have any questions or require additional information, please contact the specialist retailer which supplied the wheelchair to you.

You can always find the latest information on your product on our homepage. For information or queries concerning product safety and on recalls, please contact DIETZ. You will find our contact information on the back of these operating instructions.

NOTE

A large-print version of the operating instructions is available for visually impaired persons at **www.dietz-reha.de** in PDF format.



01 Important information

02 Product description

03 Setting up the wheelchair

04 Using the wheelchair

05 Individual adjustments

07 Safety Instructions

08 Instructions for general use

09 Manufacturer's declarations

INTENDED PURPOSE

The tauron|rsi wheelchair was specially designed for the care of obesity patients and can be used indoors and outdoors. It is suitable for the daily care of an obesity patient with walking disabilities or incapacity to give them a certain degree of mobility. It can be used universally on a flat, solid surface and is also suitable for transport thanks to its folding mechanism. It can either be propelled by the patient or by an accompanying person. The tauron|rsi is designed for a maximum load of 250 kg. This specification can be checked on the serial number sticker. It is not suitable for children.

It is not suitable or not to be used as a traction device or even as a transporter.

Areas in which the tauron|rsi is used are aged-care and nursing homes, hospitals, rehabilitation centres, day care centres and in private households.

The intended purpose may differ for products which were manufactured as custom-made devices and which have been labelled as such. In this case, please refer to the documentation supplied with the product.

INDICATION

This wheelchair is intended to support people who are unable to walk or who have a severe walking disability, particularly those who are overweight or obese, due to

- Paralysis
- Loss of limbs
- Limb defect/deformation
- Joint contracture/joint damage (not on both arms)
- Other diseases

CONTRAINDICATION

Use of the wheelchair is unsuitable in the case of

- False sensations
- Severe disequilibrium
- Loss of limbs on both arms
- Joint contracture/joint damage on both arms
- Inability to sit
- Impaired or inadequate vision

SYMBOLS

Different symbols are used in this manual to give you warnings about potential dangers and helpful advice for the daily use of your wheelchair.

WARNING

It is mandatory to observe and comply with the warnings!

They draw your attention to the fact that failure to observe this may result in injury and/or damage to the wheelchair or the environment.

NOTE

Valuable tips and tricks to help you use your wheelchair.

The tauron|rsi is delivered from the factory completely assembled and packed in a box. Please keep the packaging if possible; it can subsequently be used to store the wheelchair if necessary.

SCOPE OF DELIVERY

On receipt of the wheelchair, please immediately check to make sure that the contents are complete and undamaged. The contents consist of:

- 1 Packaging
- 1 pre-assembled wheelchair
- 1 pair of leg rests
- 1 Foot board
- User manual
- Seat cushion
- Accessories (if selected)

ACCESSORIES

- Amputation support
- Safety belt
- Pneumatic tyres
- Angle-adjustable leg rest
- Height adapter for arm rest +20mm
- Knee pad
- Head rest
- Disc brake (attendant)
- Cane holder (can only be assembled at factory)

SET-UP OF THE tauron|rsi

Basic components

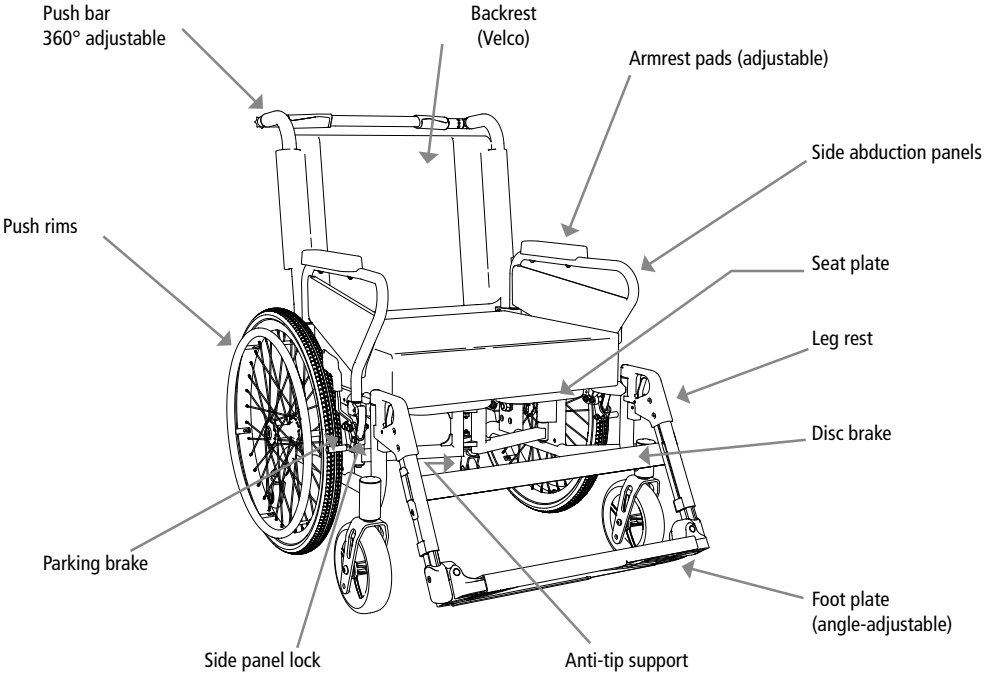


Fig. 1

NOTE

The equipment features as well as the scope of delivery may vary depending on the country and market.

WHEELCHAIR TOTAL WIDTH

The tauron|rsi wheelchair is an XXL product with extra width, which exceeds a total width of 700 mm in all versions and can therefore exceed some door widths.

There may be restrictions when using public transport or long-distance rail transport, as well as when driving through stations and platforms. Please review the conditions at the relevant railway company before you travel.

NOTE

Ensure that the wheelchair is not parked in direct vicinity of emergency exits and escape routes and blocks them.

PREPARING THE WHEELCHAIR FOR USE

To get started you simply have to unfold the wheelchair and click the leg rests into place. In this following chapter you can find some information about how to set up and use your wheelchair. You can find information about simple settings and adjustments that can be done without any tools.

In chapter **»03 Setting up the wheelchair«** you can find explanations for all adjustments that can be made without using tools, with which you can adjust your wheelchair to your requirements.

The chapter **"05 Individual adjustments"** contains explanations of all the more complicated adjustment options, such as the seat height, angles etc., that can be used for optimal adjustment.

NOTE

The initial set-up should be carried out by trained personnel of the medical supplies shop.

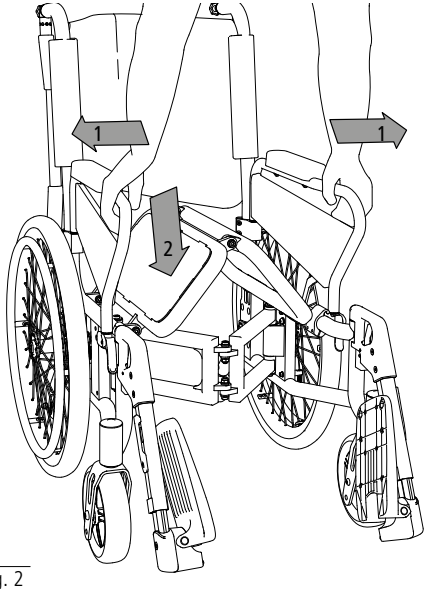


Fig. 2

3.1 Unfolding the wheelchair

1. Stand in front of the wheelchair, hold on to the side tubes at the front and push them apart. (1, Fig. 2).
2. Press one of the seat pads down with the palm of your hand in the front area (2, Fig.2) until the wheelchair is fully unfolded.
3. Lock the slide pin (see 4.11)

WARNING

Risk of trapping!

When folding and unfolding your wheelchair, pay attention to your fingers and only grip the parts as seen in the illustrations.

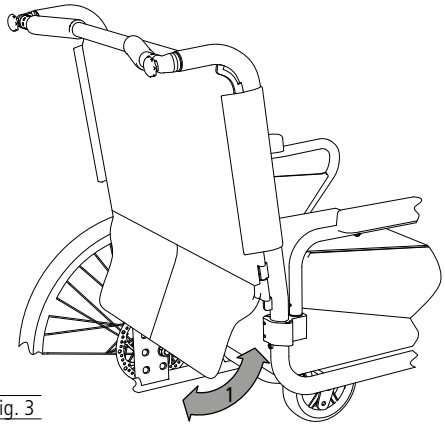


Fig. 3

3.2 Back pad

1. The flap of the back pad can be attached at the rear side of the seat cushion by fastening the Velcro. Thus the gap between backrest and seat cushion can be closed. (1, Fig. 3).

3.3 Attaching the leg rests

1. Hook the leg rests in at the side (1, Fig. 4) and swivel them forwards (2, Fig. 4). The leg rest will then click into place automatically.
2. Once they are locked into position, the leg rests should be fitted backlash-free. If necessary, you can carefully tighten the side Allen screw (1, Fig. 5) until the free-play on the leg supports is reduced to a minimum.

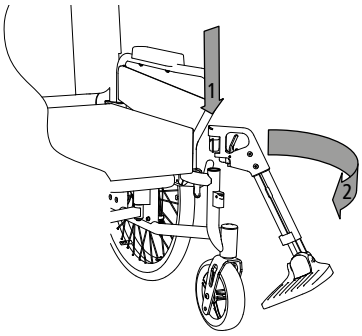


Fig. 4

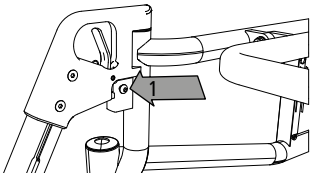


Fig. 5

WARNING

There is a risk of trapping on moving parts. __

3.4 Lower leg length

The setting is correct when your thighs are horizontal with the feet placed on the foot plates.

1. To adjust, loosen the screw connection on the rear of the leg rest (1, Fig. 6) until the lower part of the legrest can be telescoped.
2. Move the foot plate into a position that is comfortable for you (2, Fig. 6) and tighted the screw connection again. In order to ensure that both sides are at the same height, indexing has been added to the outside for better orientation.

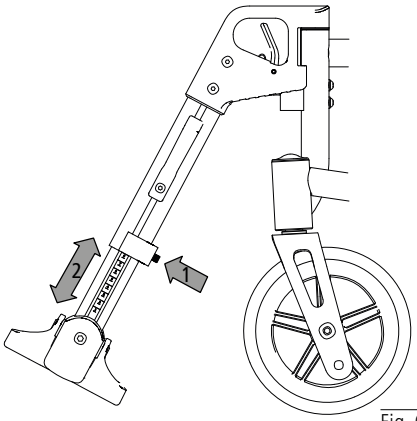


Fig. 6

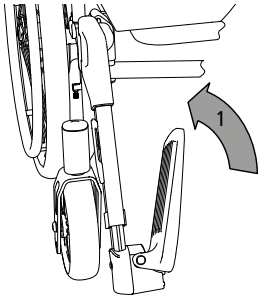


Fig. 7

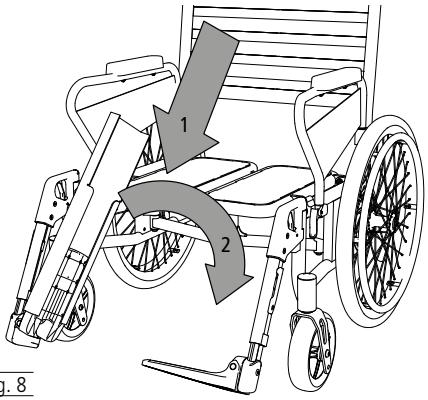


Fig. 8

3.5 Foot plate

1. To attach the footboard swing one footplate upwards (1, Fig. 7).
2. Place the footplate completely on the upturned footplate (1, Fig. 8) and then swing the footboard down (2, Fig. 8) until the recess on the opposite side completely covers the footplate.
3. In order to reremove the footboard, carry out the steps in reverse order.

NOTE

The wheelchair is only to be used with a footboard attached.

WARNING

There is a risk of trapping on moving parts.

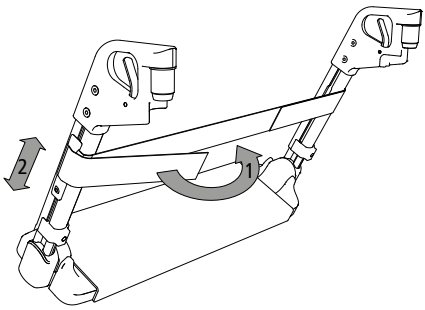


Fig. 9

3.6 Disc brake

1. Thread the calf strap on the outside of the leg supports through the plastic holder (1, Fig. 9).
2. Loosen the Allen screw on the plastic holders. Now you can adjust the calf strap to the desired height (2, Fig. 9).
3. Finally, the Allen screw is tightened and the calf strap is fixed with the Velcro.

3.7 Adjusting the back seat width

The back seat width of the tauron|rsi can be adjusted using the side clamps at the back.

1. Firstly loosen the locking lever of the front clamp. (1, Fig. 10).

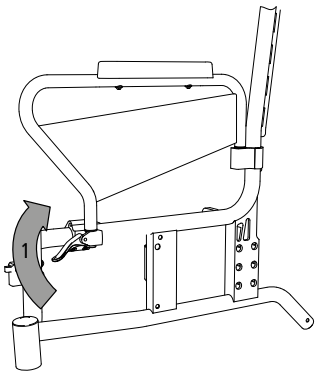


Fig. 10

2. Loosen the two socket head screws in the calf pad holder (1, Fig. 11) and the rear (2, Fig. 11) side panel clamp.

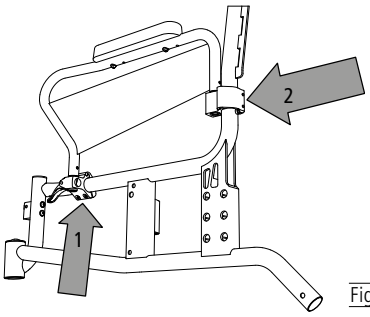


Fig. 11

3. Now turn the rear clamp to the desired position. (1, Fig. 12). Support and guide the front clamp when sliding (2, Fig. 12) on the side frame and press it slightly upwards.
4. Then secure the Allen screws in the back clamp. Press the front clamp slightly upwards so that the pin of the side panel is flat. Finally, secure the two Allen screws in the front clamp.

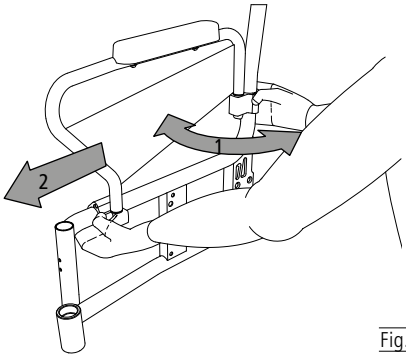


Fig. 12

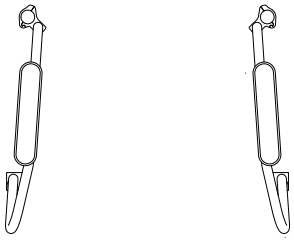


Fig. 13

5. If you position the clamps further to the inside, the width of the back seat will be reduced. (Fig. 13).

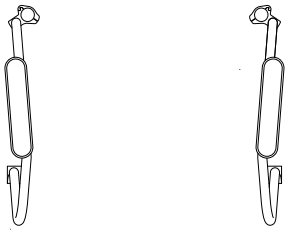


Fig. 14

6. Conversely, the rear seat width increases when you position the clamps outwards (Fig. 14).

3.8 Side abduction panels

The side abduction pads can be positioned and inverted in addition to adjusting the back area.

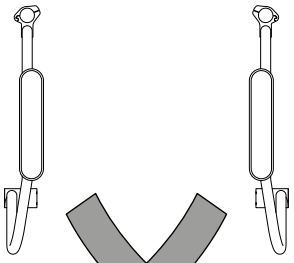


Fig. 15

1. The standard position allows for abduction of the leg position (Fig. 15).

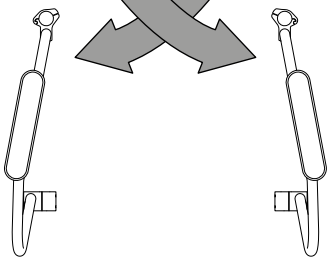


Fig. 16

2. The inverted position gives the thighs additional space (Fig. 16).

USING THE WHEELCHAIR

4.1 Sitting down and getting up

The various individual clinical pictures or disabilities limit freedom of movement or the ability to manoeuvre to a greater or lesser extent.

To sit down in your wheelchair and get up again easily and safely, please proceed as follows.

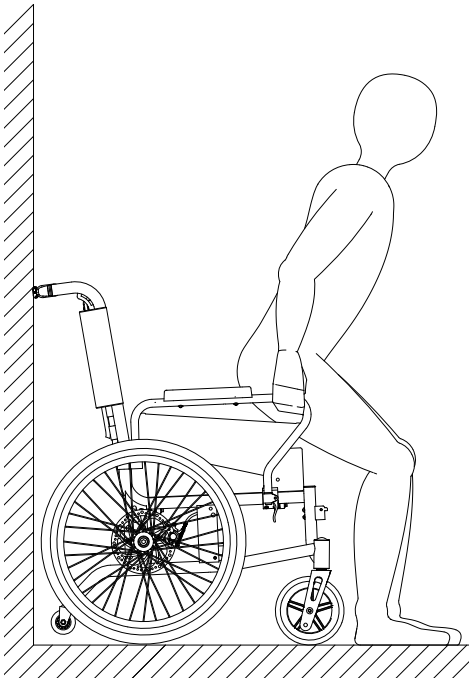


Fig. 17

NOTE

Place the back of the wheelchair against a stable wall. This ensures that the wheelchair cannot slip away on smooth surfaces.

Sitting down

1. Release the leg rests and swivel them to the outside.
2. If possible, place the wheelchair with the rear wheels against a stable wall.
3. Lock the wheelchair in place with the two wheel locks.
4. Move as close to the wheelchair as possible, turn around and carefully move backward until your legs touch the edge of the seat.
5. Now use your hands to grasp the arm rests and use them as supports.
6. You can slowly and safely lower yourself into the wheelchair.
7. Next, you can swivel the two leg rests towards the front in the direction of movement. Make sure that you hear the clicking noise when the leg rests lock into place.
8. Use your feet to fold the two two foot rests downward and place your feet on the foot rests.

Getting up

Proceed in reverse order to get up and out of the wheelchair.

NOTE

To transfer sideways, you can remove the side panels (see chapter 4.2).

WARNING

Do not stand on the foot plates or footboard while getting up or sitting down. They are not intended to bear the full weight of one person.

4.2 Propelling and slowing down the wheelchair with the push rims

The wheelchair can be manoeuvred forwards, backwards, left and right by using the push rims on the rear wheels.

1. To do this, hold the push rims with your hands and turn the wheel towards the front or back (1, Fig. 18). Place your hand on the push rim with the thumb in the direction of movement and form a fist enclosing the push rim.
2. To slow down, let the push rim glide through your hand in a controlled manner.
3. To steer the wheelchair, slow down the push rim on the side to which the wheelchair should move or turn.
4. To turn on the spot, push one hand forwards and the other hand backwards at the same time.
5. To turn the wheelchair, turn the wheels in the opposite direction using the push rims.

WARNING

To avoid hand injuries, when the wheelchair is in motion, do not grip between the spokes or between the rear wheel and the parking brake.

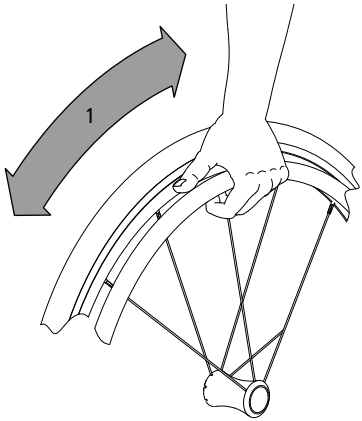


Fig. 18

WARNING

When propelling your wheelchair, make sure that you do not touch the tyre casing with your thumb.

Risk of trapping between the tyre and side panel/armrest.

WARNING

During hard braking manoeuvres the push rims can become quite hot.

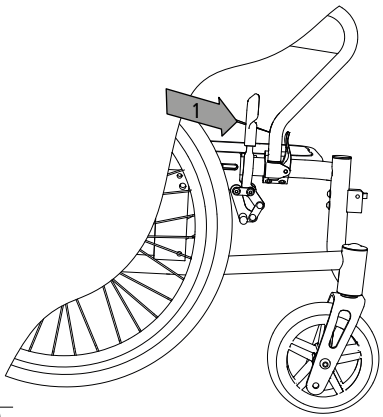


Fig. 19

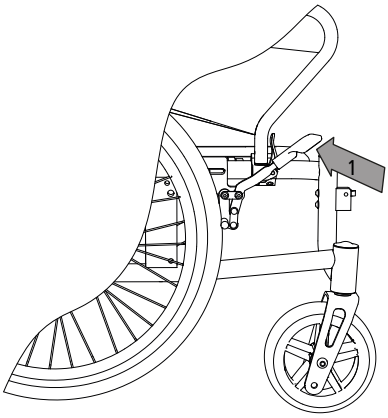


Fig. 20

WARNING

Before any movement, verify that the brakes are functioning properly.

4.3 Parking the wheelchair with the parking brake

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

1. Activate the parking brakes when stationary (tyre brakes). To do so, push the lever forwards as far as possible (1, Fig. 19), until it automatically holds. The wheelchair is now stable; you can transfer to another chair or park it.
2. Release the parking brake by pulling back the lever (1, Fig. 20).

NOTE

When the locking brake is activated, the braking force is distributed evenly on both of the rear wheels.

WARNING

Never use the parking brake to stop the wheelchair when it is in use – always use your hands on the push rims to slow down. The parking brake is only intended for parking.

WARNING

For the optional pneumatic tyres, always ensure that the tyres are sufficiently inflated. When the tyre pressure is too low the parking brake performance is reduced.

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4.4 Using the wheelchair on inclines, slopes, steps and edges

Before you drive up or down gradients / steps and edges with your wheelchair, you should practice with an attendant. In these driving situations, the tipping risk is increased, which is why DIETZ recommends the use of anti-tipping supports for inexperienced drivers. The braking power is significantly lower in such driving conditions as compared to on even ground. Potholes, moisture, snow, grit and dirt can also cause the wheelchair to tip over in these situations.

When driving up inclines and up a step/edge, lean your upper body forward (1,2, Fig. 21).

When driving down slopes and down a step/edge, lean your upper body backwards (3,4, Fig. 21)

WARNING

The stability on slopes/gradients depends on the configuration of the wheelchair, the skills and the driving style of the user. Since the user's skills and driving style cannot be predetermined, the maximum safe descent gradient cannot be determined. This must be determined by the user with the help of an attendant in order to prevent tipping over.

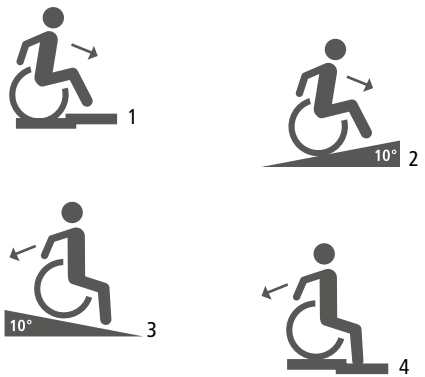

Fig. 21

WARNING

Never drive down slopes and steps/edges without braking, only at reduced speed.

WARNING

Stairs with more than two steps must be driven with the support of an attendant.

WARNING

Never try to drive up/down inclines or gradients diagonally.

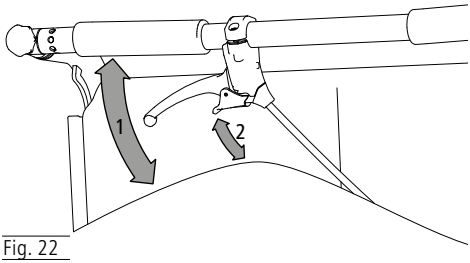

Fig. 22

4.5 Braking by an attendant (optional)

1. The wheelchair can be braked in a controlled manner by pulling the brake lever up (1, Fig. 22).
2. To park the wheelchair, you can lock the brake lever. To do this, pull the small locking lever upwards as well (2, Fig. 22). The locking lever will then engage automatically. To release the brake simply pull the brake lever upwards and the locking lever will release automatically.

The accompanying person can use the optional assistant brake as an operating and parking brake. This is particularly advantageous when moving on slopes. Movement can then be reduced by applying the brake levers more or less strongly as required.

WARNING

For safe parking, the parking brake must be locked on both sides as well.

WARNING

In models without an optional brakes for the attendant, they must be physically and mentally able to stop the wheelchair by using their own strength.

EN

4.6 Loading the wheelchair

Additional loads (backpacks or similar items) may not be attached to tauron|rsi.

WARNING

Risk of accident! The push bar can open when it is loaded with additional loads.

4.7 Backrest

1. To adjust the back cover, remove the cushion and loosen the Velcro connection of the straps (1, Fig. 23).
2. Then you can Velcro the straps together in the desired position (2, Fig. 23). Start with the lowest strap. Finally, fold the padded cushion over the backrest surface again.

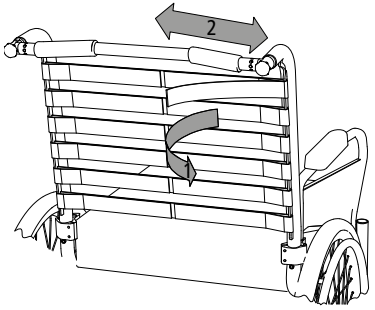

Fig. 23

4.8 Removing the side panels

1. To do this, release the locking lever of the front clamp (1, Fig. 24) by pushing it up.
2. The side panel is now unlocked and can be pulled out upwards (2, Fig.24).

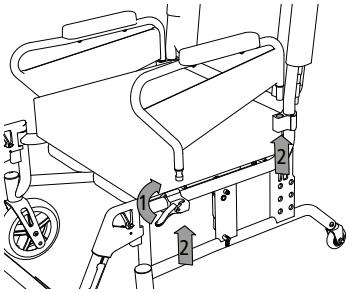

Fig. 24

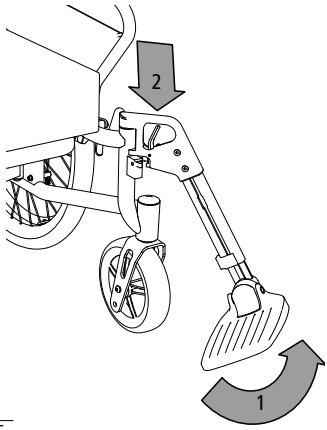

Fig. 25

4.9 Swivelling and detaching the leg rests

1. To remove the leg rest, first remove the calf strap (see Chapter 3.6) and then the foot board. You can then fold up the footplates (1, Fig.25).
2. Pull the locking lever (2, Fig. 25) on the side and swivel the leg rests out.
3. Now you can pull upwards on the leg rests and remove them.

WARNING

Before performing any action on the leg supports, the wheelchair must be secured to prevent it unintentionally rolling away.

WARNING

There is a risk of trapping on moving parts.

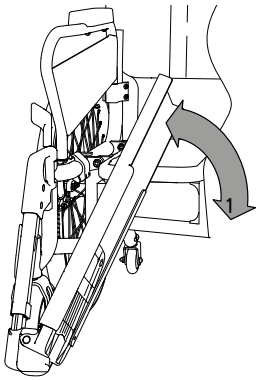

Fig. 26

4.10 Folding up the foot board

1. The foot board, depending on the side it is assembled on, can be swivelled upwards or downwards to the left or right (1, Fig. 26).
2. To fold up the wheelchair to save space, the foot board must be folded up and removed (see Chapter 3.5) and the push bar must be unlocked (see Chapter 4.11).

WARNING

Risk of trapping! Please pay careful attention to your fingers when swivelling the foot plates/ foot board downwards.

WARNING

The user must not put their weight on the foot plates when getting in and out of the wheelchair.

4.11 Locking and unlocking the push bar

The push rod can be fixed on the left side.

1. To do this, unscrew the star grip screw so far (1, Fig. 27) that the plastic part protrudes from the recess.
2. You can then swivel the push rod sideways downwards (2, Fig. 27). The push bar is now unlocked and the wheelchair can be folded up. To lock the push rod, carry out the steps in reverse order.

WARNING

The push bar must be properly locked to use the wheelchair.

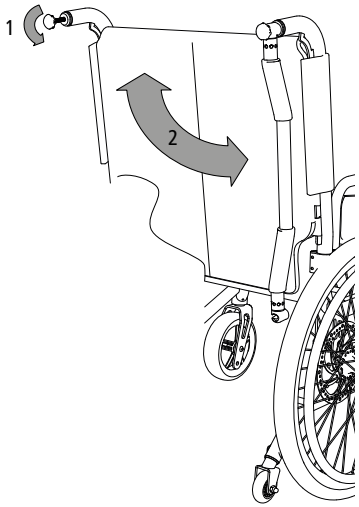

Fig. 27

4.12 Safety belt (optional)

An optional belt can be installed. This secures and stabilises the person seated in the wheelchair. It prevents the person from tipping forwards out of the wheelchair.

1. The belt is secured to the backrest tube on the left and right. (Fig. 28).

WARNING

Subsequent installation should be carried out in a specialist workshop.

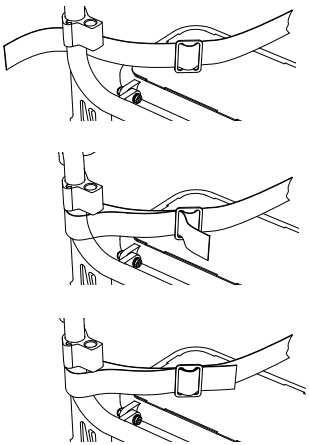

Fig. 28

WARNING

The tauron|rsi has not been tested according to ISO standard 7176-19 and is therefore not approved as a seat for the transportation of people in motor vehicles.

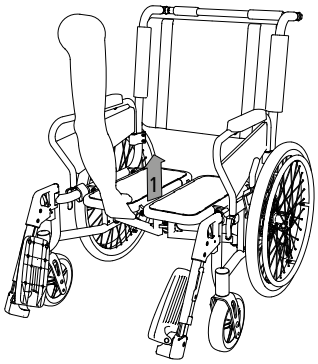

Fig. 29

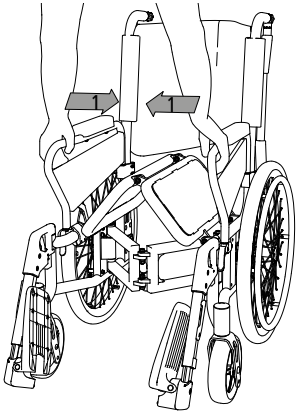

Fig. 30

WARNING

Please check the individual transportation requirements of the airline-/railway company regarding the packacking/dimensions for the wheelchair transportation.

4.13 Transport of the wheelchair without user

For transportation in a car, airplane, train or even just to make space, your wheelchair can be conveniently folded together. It then only takes up a very small amount of room and is easy to store. If necessary, it can also be disassembled into its portable elements.

The folding dimensions for your seat width can be found in the technical data.

1. Fold up the foot plates and leave the wheelchair.
2. Components that can easily be detached from the wheelchair when stowed should be removed and stored in a suitable, safe place. (such as table, walkers, cushions, leg rests, etc.)
3. To fold the wheelchair, if necessary, loosen the flap of the backrest from the seat cushion and set the seat cushion aside.
4. Unfasten the leg rests and swivel them outwards.
5. Now stand in front of the wheelchair and then pull upwards in the middle of the seat. The seat cushions are angled slightly upwards (1, Fig. 29).
6. Then grab the front area of the side panels and press both sides towards each other in the middle. The wheelchair will now fold itself up (1, Fig 30).

To set up the wheelchair see **»03 Setting up the wheelchair«**.

IMPORTANT NOTE

WARNING

Only certified technical specialists may carry out the setting options illustrated and described in the following chapter. Accidents may result from incorrect modification of the wheelchair.

Incorrectly adjusting the brakes may have life-threatening consequences.

Accessories are sometimes required for the settings described below. Only original accessories from DIETZ may be used. Only then is the compliance and thus the safety of the product guaranteed.

5.1 Tools

The following tools are required for the settings:

1. Allen key (3, 4, 5, 6, 10)
2. Wrench (10, 13, 22)
3. Cross tip screwdriver

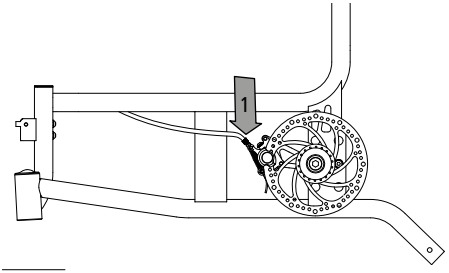

Fig. 31

WARNING

Ensure that both sides of the wheelchair are adjusted evenly.

5.2 Disc brakes (optional)

1. In order to achieve an even braking effect, the braking force is adjusted on the respective adjusting screw (left brake cylinder / right brake cylinder) (1, Fig. 31).
2. The braking force is increased by unscrewing the adjusting screw. Loosen the lock nut and unscrew the adjusting screw until you hear grinding noises from the turning wheel.
3. Then screw in the adjusting screw until the grinding noises stop.
4. Once you have finished adjusting the settings, the adjusting screw is fixed by tightening the lock nut. The adjusting screw on the brake cable facing the brake lever has an even effect on both sides. It is only used to finely adjust the braking force.

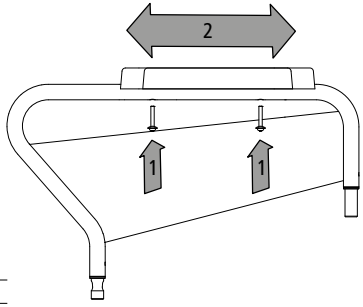

Fig. 32

5.3 Armrests

1. Loosen the screws that secure the armrest to the frame (1, Fig. 32).
2. The armrests can then be moved 30 mm backwards or forwards. (2, Fig. 32).
3. Tighten the screws again to secure the armpads on the side panel.

EN

5.4 Angle-adjustable foot plates

1. Please remove the foot board to change the angle of the foot paltes.
2. To change the angle, first loosen the Allen screw and pull the foot plate slightly inwards until the lock is released. (1, Fig. 33).
3. Now adjust the foot plate to the desired angle (2, Fig. 33) then tighten the Allen screw again.
4. Finally, put the footboard back on the footplate.

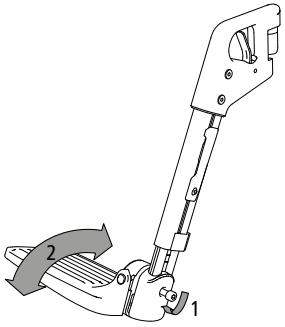

Fig. 33

5.5 Lower leg length

The setting is correct when your thighs are horizontal with the feet placed on the foot plates.

1. To adjust, loosen the screw connection on the rear of the leg rest (1, Fig. 34) until the lower part of the legrest can be telescoped.
2. Move the foot plate into a position that is comfortable for you (2, Fig. 34) and tight the screw connection again. In order to ensure that both sides are at the same height, indexing has been added to the outside for better orientation.

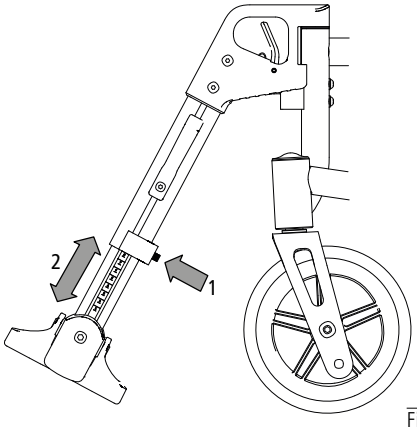

Fig. 34

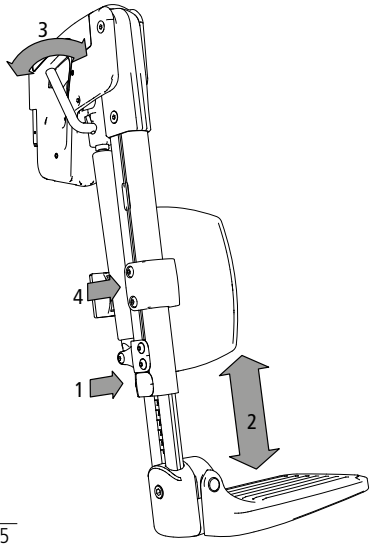

Fig. 35

5.6 Angle-adjustable leg rest (optional)

1. Loosen the Allen screw (1, Fig.35) on the back.
2. Now the lower leg rest height can be adjusted (2, Fig. 35). Once the desired position has been selected, you can lock the locking screw again.
3. To change the angle of the leg rest, pull or push the lever (3, Fig. 35). The angle can be adjusted freely using a gas strut.
4. You can adjust the height of the calf pad by loosening the locking screws (4, Fig. 35) on the pad.
5. Finally, lock the locking screws on the calf pad.

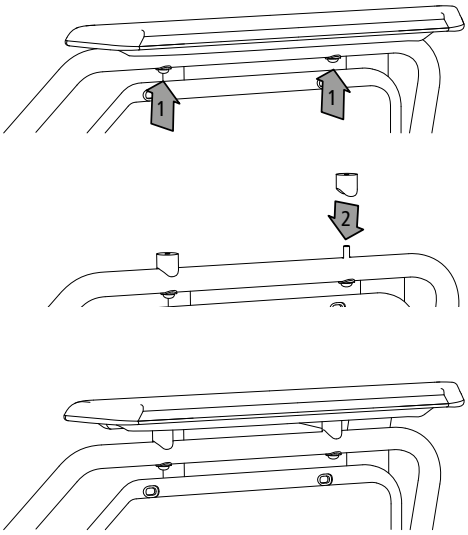

Fig. 36

5.7 Armrest height (optional)

With the height adapter, the armrests can be adjusted in height by 20 mm.

1. Loosen the screws (1, Fig. 36) that secure the armrest to the frame
2. Then remove the armrest from the frame and place both height adapters on the drill holes (2, Fig. 36) for the armrest on the frame.
3. Now you can put the armrest back on the height adapter and fix it with the enclosed screw connection.
4. Repeat this step on the other side.

5.8 Turning the seat plate

The wheelchair is delivered assembled in the optimum seat depth you selected. The seat plate has asymmetrically positioned slots. The seat height can be adjusted by 90 mm if necessary, e.g. if the wheelchair is used again. (Fig. 38, 39).

1. Loosen the four outer screws of the seat plate, turn the seat plate by 180° and then reassemble it. (Fig. 37)
2. Ensure that all four screws are tightened.

WARNING

The described modification option for the seat plate may only be carried out by a specialist retailer.

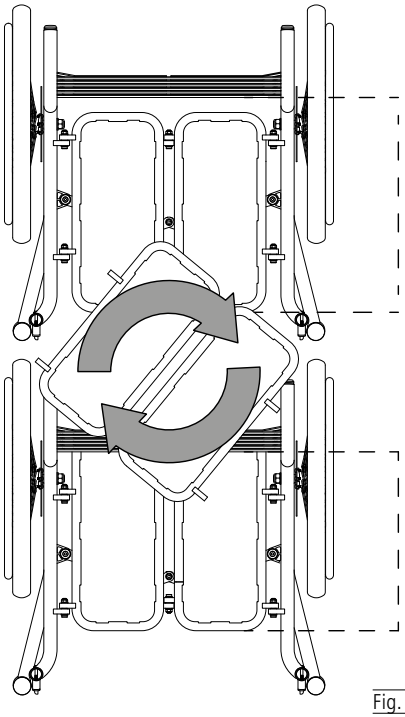

Fig. 37

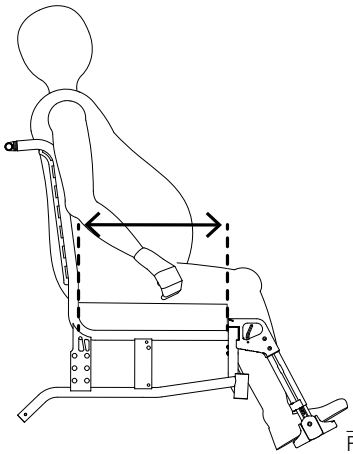

Fig. 38

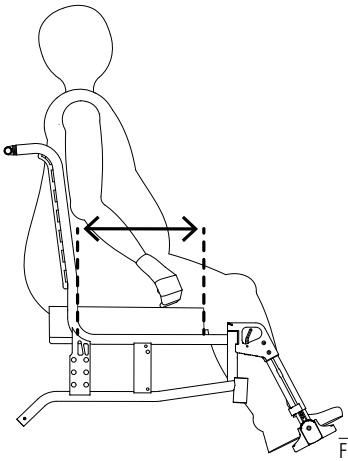

Fig. 39

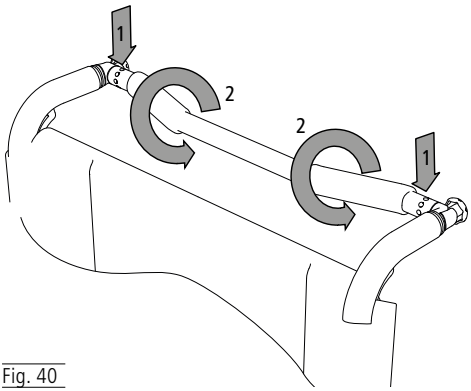

Fig. 40

5.9 Push bar

The push bar can be individually adjusted in 45° stages according to the accompanying person's requirements.

1. To do this, loosen the two Allen screws (left/right) (1, Fig. 40) and unscrew them completely.
2. Bring the handlebar into the position that is comfortable for you. (2, Fig. 40). Tighten the screws again.

5.10 Seat height adjustment

The height of the wheelchair seat can be adjusted in three steps of 40 mm (390, 430, 470 mm). Two steps of 40 mm are achieved via 2 different holes in the fork. Another step of 40 mm is made by using a front wheel of 6 ":

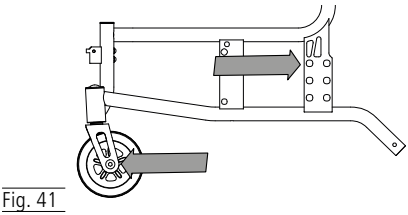
Fig. 41

- Seat height 390 – Swivel wheel 150 mm/ 6" Screw-in axle rear wheel top (Fig. 41)

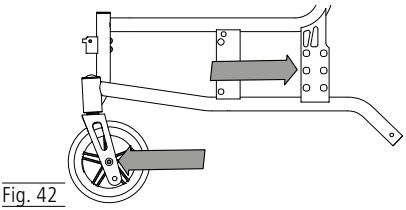
Fig. 42

- Seat height 430 – Swivel wheel 200 mm/8" Screw-in axle rear wheel top (Fig. 42)

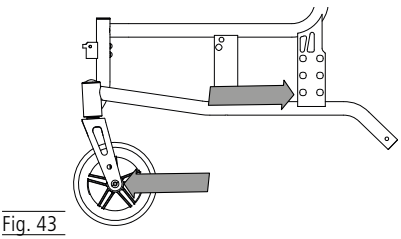
Fig. 43

- Seat height 470 – Swivel wheel 200 mm/8" Screw-in axle rear wheel top (Fig. 43)

WARNING

A change in the height of the seat necessitates readjustment of the brakes.

5.11 Wheelbase extension

Moving the rear wheels backwards (Fig. 44) increases the distance between the wheels and therefore the stability of the wheelchair. Moving the rear wheels forwards (Fig. 45) will increase the manoeuvrability of your wheelchair but make the chair less stable.

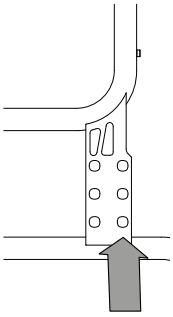

Fig. 44

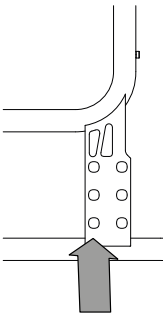

Fig. 45

1. If a brake for an attendant is optionally installed, then completely release the brake cables of the disc brake on both sides and pull out the brake cable (1, Fig. 46).
2. Then loosen the screw connection of the wheel axle; now pull out the wheel axle completely.
3. In the next step you can remove the rear wheel downwards. The mounting adapter including the brake cylinder for the disc brake must now be turned by 180 ° and, depending on the conversion, moved 40 mm forwards or backwards. For assembly, carry out the steps in reverse order. Make sure that the screws are tightened securely again.

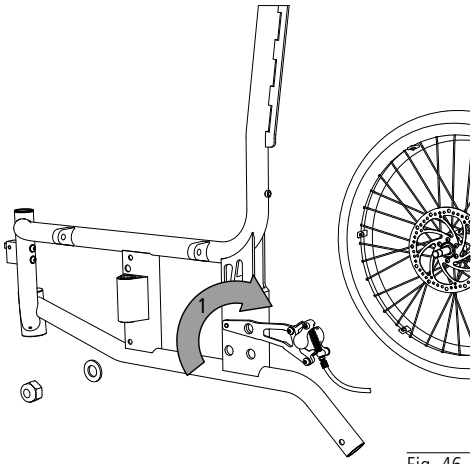

Fig. 46

WARNING

If the wheelbase is changed, the disc brakes must be readjusted (see Chapter 5.3) if this was selected as an option.

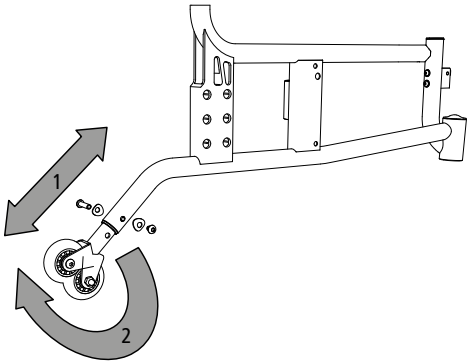

Fig. 47

5.12 Anti-tip wheels

The anti-tip wheels prevent the wheelchair from tipping backwards.

The anti-tip roll should be positioned closely to the ground. To do so, the anti-tip wheels can be adjusted individually.

1. Loosen the screw and extend the anti-tip wheels to the lowest possible distance from the ground. Then tighten the screws again (1, Fig. 47).
2. If the distance between the anti-tip wheels and the ground is too low, you can also turn the anti-tip wheels 180° so that they face upwards (2, Fig. 47).

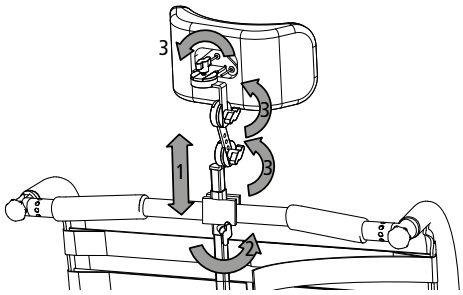

Fig. 48

5.13 Head rest (optional)

Attach head rest

1. Slide the headrest to the desired height and position (1, Fig. 48).
2. Tighten the wing screw (2, Fig. 48) to lock the headrest.
3. To remove the head rest carry out the steps in reverse order.

Adjust head rest

1. Loosen the wing screw (2+3, Fig. 48).
2. Move the head rest into the desired position.
3. Tighten the wing screws again (2+3, Fig. 48).

WARNING

The headrest is only used to support the head posture and is not suitable for transport protection.

5.14 Accessories and add-ons from external suppliers

In general, only original accessories from DIETZ GmbH may be used. If third-party products are installed on the wheelchair, responsibility for the safety of the product passes to the person who installs the accessories or carries out the installation. The compliance of the combination of accessories or add-on and product is then new, and must be declared by the person who attaches it. The compliance declared by DIETZ according to MDR 2017/745, Annex II expires.

WARNING

Should add-ons or accessories that are not sold by DIETZ are used, the safety of the product can not be guaranteed.

WARNING

If accessories or add-ons are added to the wheelchair, then the safety instructions in the operating instructions for the accessories or add-ons must be observed.

DIETZ'S MEASUREMENT SYSTEM

The dimensions given here refer to the standard configuration of the wheelchair and may vary depending on the wheelchair model and configuration.

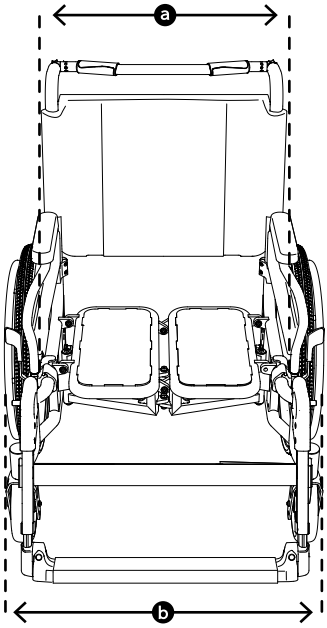

Fig. 49

NOTE

All dimensions taken on textile parts (e.g. back upholstery) are to be understood with a tolerance of +/– 10 mm.

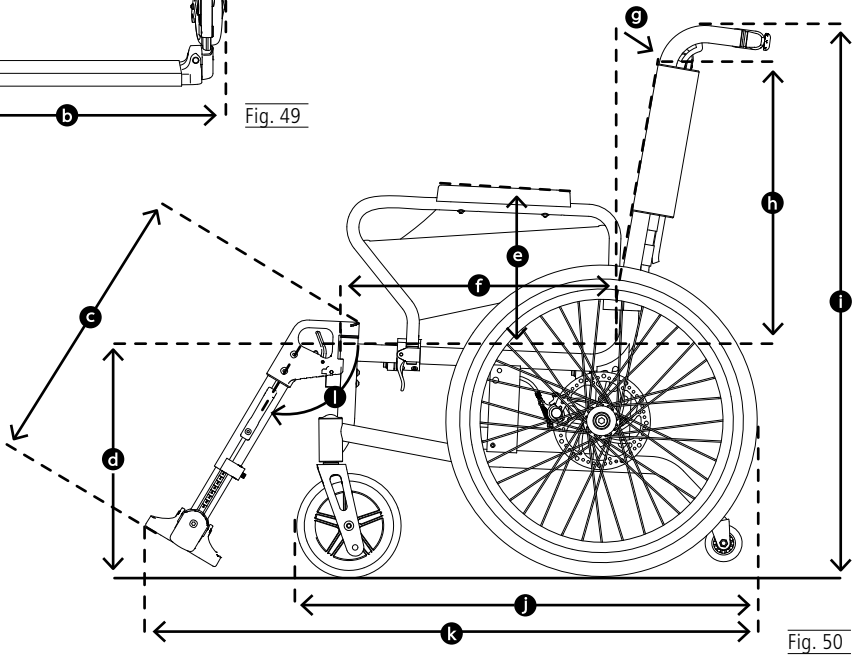

Fig. 50

DIMENSIONS AND MASS TAURON|RSI

	Product specifications		Min.	Max.
k	Total length with leg rests [1]	mm	1040	1090
b	Total width [2]	mm	790 (in 3 steps from 190) to 940	
i	Total height	mm	1030	1030
j	Total length folded without leg rests	mm	790	840
	Width when folded	mm	330	330
i	Height folded	mm	1030	1030
	Total mass	kg	28	30
	Mass of heaviest single component [3]	kg	16.21	17.73
	Static stability downhill	°	0 - >20° (for SB 750, Side panel long)	
	Static stability uphill	°	0 - 15 ° (for SB 750, Side panel long)	
	Static stability sideways	°	0 - >20° (for SB 750, Side panel long)	
	Steepest slope on which parking brakes can be used	°		15
	Seat plane angle	°	0	3
f	Effective seat depth (adjustable)	mm	360 / 430	390 / 480
a	Effective seat width	mm	600 (in 3 steps from 50) to 750	
	Seat width rear (adjustable)	mm	0 to -10	
d	Seat height front	mm	390 (in 2 steps from 40) to 470	
g	Backrest angle	°	7.5° with lumbar kink	
h	Backrest height	mm	540	590
c	Distance from foot plate to seat surface	mm	390	460
l	Angle of leg rest to seat surface	°	118	118
e	Armrest height (optionally adjustable)	mm	300	320
	Backrest to front edge of armrest	mm	315	331
	Push rim diameter	mm	487	487
	Horizontal position of axle	mm	+100	+500
	Minimum turning radius	mm	890 (for SB 750, long side panel)	
	Steering range	mm	1270	1430
	Maximum user weight [4]	kg	250	

[1] Depending on the rear wheel position
[2] Depending on the configuration of your wheelchair, the recommended dimension of 700 mm (according to DIN EN 12183), from a seat width of 480 mm, can be exceeded
[3] Wheelchair weight minus removable parts (here without rear wheels, without side panels, without leg rests)
[4] Maximum user weight including load. The weight of the load reduces the maximum user weight.

FURTHER INFORMATION

Colours		Lunagrey
Arm rests (L × W)	mm	250 Desk / 350 Long usable × 50
Push handle height [5]	mm	860 / 980
Push bar (adjustable)	°	360° in 45° steps
Rear wheels (diameter)	"	24 × 1
Front wheels (diameter)	mm	150 × 47 / 200 × 50 // 6 / 8
Leg rest mass	kg	1.55
Mass foot board	kg	0.83 - 1.11
Side panel mass	kg	0.93 - 1.03
Rear wheel mass 24"(PU)	kg	3

[5] The handle height depends on the selected seat / back height

Ambient operation temperature	-10°C to +50°C
Ambient storage conditions	0°C to 45°C // 20% to 75% relative humidity

MATERIALS

Frame, backrest tubes, seat plate	Aluminium, anodised
Backrest upholstery	Polyester
Armrests	PU foam
Cross brace	Steel, painted black
Screws, joints	galvanised or burnished steel (black)
Tyres on rear/front wheels	PU plastic
Heel / calf strap	Polypropylene (PP)
Leg rests	Aluminium, plastic
Foot board with anti-grip-tape	Aluminium / PVC
Handle	Thermoplastic rubber (TPR)
Brake lever	Glass re-inforced polyamide

Note: All metals used are corrosion-resistance.

PRODUCT TESTS

DIN EN 12183	the standards for manuel wheelchairs have been tested
ISO 7176-8	the static load capacity, shock resistance and fatigue strength have been tested
EN 1021-2	resistance to inflammation has been tested for upholstery materials and plastic components
ISO 10993-5	tested for toxicity in the material
Test dummy weight	250 kg

EN

SAFETY INFORMATION AND DRIVING RESTRICTIONS

To avoid falls and hazardous situations, you should first practice using your new wheelchair on level, clearly laid out terrain. An accompanying person is recommended.

Please observe all safety warnings:

- Before using the wheelchair for the first time, practice moving on level, clearly laid out terrain. Intensively familiarise yourself with its braking and acceleration behaviour when moving straight ahead and on cornering. An accompanying person is recommended.
- Never leave children or adolescents in the wheelchair without supervision.
- Always lock both brakes, before you sit down or get up from the wheelchair.
- Never use the wheelchair under the influence of alcohol or other substances which influence attentiveness or physical and mental receptiveness.
- The wheelchair may not be used to transport several individuals or loads. It is only used to transport a person, sitting, on the designated seat surface.
- Please note that the risk of tipping over may be increased due to shifts in balance as a result of body movement or loading the wheelchair. Adjusting the wheelchair settings to their extremes increases the risk.
- With an incline / slope of more than 10 ° there is an increased risk of tipping backwards or forwards, DIETZ recommends using anti-tipping supports.
- Anti-tip supports must be used for wheelchair configurations that are prone to tipping even on gradients/inclines of less that 10°. They must be properly mounted.
- To pass over obstacles, please use ramps if possible or have an attendant help you.
- If they cannot be bypassed, ruts, rails or similar obstacles must always be crossed at right angles (90°).
- Do not propel your wheelchair forward against kerbs, edges or other obstacles without braking.
- Do not jump from obstacles (kerbs, edges, steps, etc.) while sitting in the wheelchair.
- Use your wheelchair only as intended. Do not drive unrestrained against obstacles (steps, edges) or jump off them.
- Observe the road traffic regulations when moving in road traffic.
- Wherever possible, wear light, eye-catching clothing. This will allow you to be seen more easily by other road users.

- Avoid exposing the wheelchair to direct sunlight / low temperatures for long periods of time, as parts of the product (eg frames, footrests, brakes and side panels) may become very hot (> 41° C) or very cold (<0°) and may cause skin injuries.
- Always remember that there is a risk of fingers or other parts of the body getting caught in any of the moving parts (brakes, leg rests, etc.). For this reason, operate the wheelchair with care.
- Ensure that the wheelchair is not parked in direct vicinity of emergency exits and escape routes and blocks them.
- Never exceed the max. load for driver and stowed objects as this can lead to injury or damage to the chair.
- Avoid escalators. The risk of falling and injury is significantly higher.
- Stairs must only be negotiated with the help of accompanying persons if no elevators or ramps are present.
- Any severe incidents associated with the product must be reported to the manufacturer and responsible authority.
- The wheel bearings can be damaged by sand, seawater and road salt. The wheel bearings can be damaged by sand, seawater and road salt.
- If your product is custom-made (see product labelling), the additional documentation including all safety instructions must be observed in addition to the current operating instructions.

SERVICING/MAINTENANCE

In order to ensure safe operation of the wheelchair at all times, we recommend that you carry out the checks regularly in accordance with the maintenance schedule.

Defective or neglected care and maintenance of the wheelchair limits liability. The maintenance schedule does not give any information concerning the amount of work actually required on the wheelchair.

NOTE

As the user, you will be the first to notice possible damage. If you notice a fault as described in the maintenance schedule or further defects and functional impairments, contact an authorised specialist dealer immediately.

NOTE

The inspections and measures stipulated in the maintenance schedule must be performed by the user or assistant, unless otherwise stated.

WARNING

Repairs on the wheelchair must only be performed by specialist shops using DIETZ original spare parts to maintain the operational safety of the wheelchair. The relevant service manual and spare parts catalogue can be found on our website in the information of the product in question.

NOTE FOR SPECIALIST DEALERS:

If the user indicates abnormalities on the wheelchair, check all the inspection points listed in the maintenance schedule on the wheelchair. The checks must also be performed before putting the wheelchair back into operation and after longer storage periods (> 4 months).

MAINTENANCE SCHEDULE

What	Description	monthly	Before use
Parking brakes Check for correct function	• The wheels must not turn if the parking brakes are locked.  The parking brakes must be reset after being replaced or if the position of the rear wheels has been changed. This must only be performed by the authorised specialist retailer.	x	
Disc brake (optional) Check for correct function	• The braking effect must be present when the brake lever is actuated. • The wheels must be firmly blocked when the brake is locked. • The Bowden cable must not be damaged.  The disc brakes must be reset after being replaced or if the position of the rear wheels has been changed. This must only be performed by the authorised specialist retailer.	x	
Seat and backrest upholstery Check for contamination/damage	• If contamination is found, clean the upholstery in line with the cleaning information. • If the upholstery is damaged, have it replaced.	X	
Moving parts Check for correct function and wear	• Check that all moving parts (leg rests, foot plates, side panels, height-adjustable push handle) function smoothly and with little noise.	x	
Screw joints Check that they are firmly seated	• All screw joints must be firmly tightened.  Self-locking nuts and screws loose their efficacy through being repeatedly released and tightened. Therefore, they must be replaced by an authorised specialist dealer.	x	
Wheels Check for correct function and damage	• The wheels must run straight and not wobble. • The wheels must move easily and with little noise when travelling. • The wheels must be replaced if damaged.	x	
Tyres (PU) Check for correct function and damage	• Damaged or worn tyres must be replaced.	x	

What	Description	monthly	Before use
Pneumatic tyres (optional) Check for correct function and damage	• Check the tyre pressure • Pump the tyres up to the required pressure (see information printed on the side of the tyre). • Damaged or worn tyres must be replaced.  In case of air loss, the wheelchair can no longer be used as safe driving is not ensured.		x
Push bar Check for correct function and wear	• The handles must be firmly attached. • The handles must not have any external damage / distortion. • It must be possible to firmly lock the star screws. • The grub screws of the angle adjustment must be tightened securely.		x
Side panel, complete check for correct function and damage	• It must be possible to remove, attach and lock the side panels without fault. • Defects and surface defects must be remedied.		x
Leg rest/foot rest Check for correct function and damage	• It must be possible to remove, attach and lock the leg rests without fault. • Defects and surface defects must be remedied.		x
Push rims Check for damage and wear	• The push rims must be firmly screwed to the wheels.  Danger of injury! Surface damage to the push rims must be remedied immediately.		x
Folding mechanism Check for smooth movement	• The wheelchair must fold up soundlessly.		x
Wheels Check the wheels for correct function, damage and correct seating	• The spokes must not be loose, warped or broken. • Remove dirt and deposits from the quick-release axles and wheel hubs. • The wheel must not come free if the rear wheel is pulled to the side.		x
Visual inspection Check for loose parts, breaks, corrosion or other damage	 If damage of this type is found, the wheelchair must no longer be used as safe driving is not ensured.		x
Cleaning Check for contamination	• Depending on the degree of soiling, but at least once a month, the entire wheelchair must be cleaned (see Chapter Cleaning).		x

TROUBLESHOOTING

What	Possible causes	Measures
The rear wheels do not run straight	• The spokes are loose, warped or broken.	Visit an authorised specialist dealer
The wheelchair does not move in a straight line	• The wheels have different tyre pressures (only if optional pneumatic tyres have been selected).	Correct the tyre pressure
	• The wheel axles are dirty.	Remove the dirt.
	• The wheels are adjusted differently. • The wheels are worn or damaged. • The bearings of the front wheel fork cannot turn freely. • The wheel bearings of the front wheels are dirty or damaged.	Visit an authorised specialist dealer
The wheelchair is difficult to push	• The wheel axles are dirty.	Remove the dirt.
	• The tyre pressure of the wheels is too low (only if optional pneumatic tyres have been selected).	Correct the tyre pressure
	• The brakes are set incorrectly.	Visit an authorised specialist dealer
The front wheels are stiff or jam	• The bearings are dirty or defective.	Visit an authorised specialist dealer
Brake function is insufficient and uneven	• The tyre pressure of the wheels is too low (only if optional pneumatic tyres have been selected).	Correct the tyre pressure
	• The brakes are set incorrectly.	Visit an authorised specialist dealer
Squeaking or grinding noises	• Various causes	Visit an authorised specialist dealer

CLEANING

The wheelchair's frame parts can be wiped down with a damp cloth. A mild cleaning agent can be used in the case of more severe soiling.

The wheels can be cleaned using a damp brush with soft plastic bristles (do not use a wire brush!).

The upholstery materials can be washed by hand using mild soapy water at 40°C. After cleaning, ensure that all materials are fully dry in order to preserve their quality.

WARNING

Do not use high-pressure devices, no harsh, caustic chemicals and no abrasive additives for cleaning.

DISINFECTION

When manually reconditioning a used aid for reuse, all of the aid's components must be thoroughly treated/wiped with a disinfectant. Take particular care to disinfect surfaces that come into frequent contact with hands/skin, such as handles and armrests. Please only use the following disinfectants; use of other chemicals might damage the wheelchair.

- Aldehyde-free disinfectants based on alcohol (max. 70% propylalcohol)
- Aldehyde-based disinfectant

WARNING

Sewn textile parts can not always be cleaned with satisfactory hygienic results. In this case we recommend to replace these parts.

WARNING

When disinfecting, pay attention to the usage and processing instructions of the manufacturer of the disinfectant.

FORWARDING/REUSE

Your product is suitable for forwarding/re-use, unless it is a custom-made product and marked accordingly. The number of times it can be reused depends on the material wear conditions and the functional capabilities of the respective product.

When loaning the wheelchair or re-using it, please remember to hand over all the technical documents necessary for safe handling.

The wheelchair must be cleaned and disinfected, and must be checked for damage and approved by the specialist retailer. To do this, all test points listed in the maintenance plan must be checked on the wheelchair.

STORAGE

If you want to store the wheelchair, make sure that the wheelchair is stored dry, protected from strong sunlight, at a temperature of 0 °C to +45 °C and at a relative humidity of 20 - 75%. Do not activated the parking brakes. Secure the wheelchair against rolling away unintentionally. After longer periods of storage (> 4 months), please check all the inspection points on the wheelchair listed in the maintenance schedule before reusing/redeploying the chair.

WARNING

Do not store the wheelchair near a heat source and do not place any objects on the wheelchair during storage.

DISPOSAL/RECYCLING

If you no longer need the wheelchair, please contact your specialist dealer. They will then pick up the wheelchair and either dispose of it properly or make further use of it. Otherwise, please take the wheelchair to your local waste disposal facility.

PRODUCT LABELLING

Stickers must remain legible and not be removed. Immediately replace illegible or missing stickers. The nameplate is very important for the identification of the product. It must not be removed.

▼ Labelling for custom-made items

SONDERANFERTIGUNG
CUSTOM-MADE DEVICE

Fig. 51

Custom-made devices are products which are customised for a particular user. The product label, warnings, and where applicable the intended use differ in this case. Please pay attention to the additional documentation!

▼ Product label

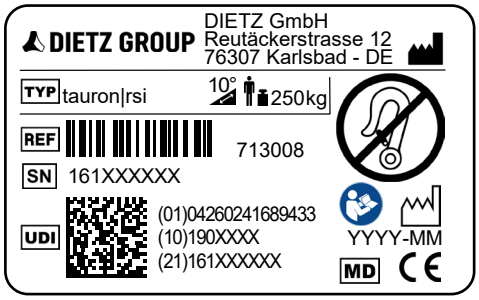

Fig. 52

	Crash-tested according to ISO 7176-19 / marks the attachment points for the restraint system
	Approved according to ISO 7176-19 for the transport of people in the vehicle!
	Not crash tested
	Not approved transportation for passenger in a vehicle.
TYP	TYPE/Model
REF	Item number
SN	Serial number
UDI	Unique Device Identifier (01) UDI-DI / GTIN (10) Batch number (21) Serial number
	Manufacturer
	Maximum user weight incl. payload/add-ons
	Date of manufacture
	Maximum safe gradient that can be driven on with the wheelchair [1]
	Follow the user manual
MD	Medical Device
CE	CE marking

[1] Depends on the wheelchair setting and the physical abilities of the user

WARRANTY

Warranty services refer to all product defects which are verifiably attributable to material or manufacturing flaws. The warranty period is 24 months as of receipt of notification of readiness for shipping, but following delivery at the latest. Damage which has occurred due to natural wear, intent, and negligent or improper operation or usage is excluded from the warranty obligation. This also applies to the use of unsuitable care products, lubricating oils or greases.

LIFETIME

The expected product service life is five years when used daily and if used as intended. This assumes compliance with the maintenance and safety specifications stipulated in this manual.

The indicated life span does not constitute additional guarantee.

LIABILITY

DIETZ GmbH only bears liability if the products are used under the specified conditions and for the specified purposes. We recommend that the products be handled appropriately and cared for according to the instructions. DIETZ GmbH accepts no liability for damage caused by components and replacement parts which have not been approved by DIETZ GmbH. Repairs must only be carried out by authorised specialist retailers or by the manufacturer itself.

DIETZ Rehab

CE

Product group: XXL Products
Product: Manual XXL Wheelchair tauron|rsi

User manual Version 4.2 EN
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