TOMTAR®

TSU-2 / TSU-4

Universal commode chair

Use manual version 3.1 EN



ΕN

Record of product ident	
	te down your product identification data below (found on product n on hand should you require any further information about your ct labelling").
TYP Type / model	
REF Item No. / REF:	
Serial number (21):	
Date of manufacture:	
Other information/notes:	

Thank you for choosing to purchase the universal commode chair TSU-2/-4 from DIFT7.

This product is a medical aid. In order to use it properly and avoid possible risks due to improper use, you must familiarise yourself thoroughly with its operation.

Read this user manual carefully before you begin using your product. It contains important notes and information that will enable you to enjoy the full technical benefits. In addition, it will provide you with information to help keep your product in safe working order while ensuring it retains its value for as long as possible.

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

You can always find the latest information about your product on our website. For information or queries concerning product safety and on recalls, please contact DIETZ in writing or by telephone. You will find our contact information on the back of this user manual.

The TSU-4 differs from the TSU-2 only in the number of locking brakes. It is outfitted with four instead of two locking brakes. For the sake of simplicity, only the TSU-2 is mentioned in the following.



A large-print version of the operating instructions is available for visually impaired persons at

shop.dietz-group.de in PDF format.



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GENERAL INFORMATION

This user manual is included in the scope of delivery. The user should keep this manual on hand at all times and it must remain with the product if the product is passed on to a third party. We reserve the right to make changes to the versions shown in this manual as a result of technical further development. Reprints, translations and reproductions of this manual in any form, in whole or in part, require the written approval of DIETZ GmbH. The copyright is owned by the manufacturer. You can obtain the latest version of the user manual by contacting DIETZ GmbH.

INTENDED PURPOSE

The commode chair (max. user load 120 kg) was designed for people with limited mobility who require flexible toilet facilities in their immediate vicinity due to their disability or illness. It is intended exclusively for persons to relieve themselves or for temporary use as a mobile chair in living areas. It is designed for indoor use. If the commode chair is moved by an accompanying person, this person must be physically capable of pushing and braking the occupied wheelchair. The commode chair is not to be used by children and persons who are smaller than 1460 mm (146 cm) or weigh less than 40 kg (BMI < 17). The TSU-2 is not suitable for use as permanent seating.

INDICATIONS

The use of a TSU-2 as a commode chair is indicated when physically handicapped persons cannot use the existing toilet or have difficulty reaching it due to:

- ▼ Paralysis
- ▼ Loss of / defective / deformed limbs
- ▼ Joint contracture / joint damage

CONTRAINDICATIONS

The use of the commode chair is not indicated for:

- ▼ False sensations
- ▼ Severe disequilibrium
- ▼ Inability to sit
- ▼ A body weight exceeding 120 kg.

SYMBOLS

These symbols indicate passages of text that are helpful for using and operating the product in every day life.



WARNING

It is mandatory to observe and comply with warnings. They draw your attention to the fact that failure to comply with them may result in injury and/or damage to the product or the environment.



NOTE

Tips and advice to simplify using the functions

SCOPE OF DELIVERY

The commode chair is partially assembled at the factory and packaged in a box.

On receipt of the commode chair, please immediately check to make sure that the contents are complete and undamaged. If the contents are noticeably damaged, inform the freight company immediately.

The contents consist of:

- ▼ 1 commode chair TSU-2 incl. seat with opening and closed seat cushion
- ▼ 1 user's manual
- ▼ In separate box: 2 leg supports incl. foot supports with heel strap, 1 universal hexagon spanner (13, 10, 8, 6 and 4 mm) and 2 locking screws,
 - 4 wheels with screw set included or already mounted on the frame
- ▼ 1 toilet pail
- ▼ Accessories (if selected)



WARNING

Risk of poisoning: When burnt, packaging films can release toxic gases.

Risk of suffocation: Keep the plastic bags out of the reach of children.

ACCESSORIES (OPTIONAL)

Acessories available from the manufacturer:

- ▼ Upholstered seat with opening for commode seat, black
- ▼ Second pail

SAMPLE ILLUSTRATION FOR TSU-2



Fig.1

- 1. Arm supports
- 2. Seat cushion, closed (black)
- 3. Leg support, swivelling and removable
- 4. Swivel castors without locking brake
- 5. Push bar
- 6. Back support upholstery
- 7. Back support (incl. side elements, sliding handle and back support upholstery)
- 8. Locking screw
- 9. Seat surface with opening (grey)
- 10. Toilet pail
- 11. Swivel castors with locking brake

TOOLS FOR TSU-2

Tools are required for some of the individual setting tasks and checks on the TSU-2:

- **▼** Open-end wrench (13, 10, 8 mm)
- **▼** Allen key (5 & 4 mm)
- ▼ Phillips screwdriver
- ▼ torque wrench (10 mm)

ASSEMBLY INSTRUCTIONS

The assembly and the functional check are performed by the specialist dealer.



WARNING

Risk of rolling away: Before any action while stationary, actuate the full brakes on the commode chair.

Risk of trapping: Pay attention to your hands when adjusting moving parts. ____

3.1 Assembly of the wheels

NOTE: Wheel assembly is only required if wheels are included separately.

Tools required: Open-end wrench & torque wrench 10 mm

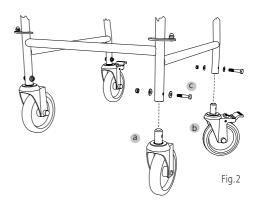
- a) Swivel castor, standard (a, Fig.2)
- b) Swivel castor with locking brake (b, Fig. 2)
- c) 4 x screw set consisting of screw, nut, 2 washers (c, Fig. 2)

Arrangement of the wheels:

If you have two swivel castors with locking brakes (b), these are used on the rear frame. The standard swivel castors are used on the front frame (a).

- **1.** Place the frame seat side down on an assembly table.
- **2.** Remove the protective caps from the frame tube.
- **3.** Insert the wheel into the frame (Fig.2).

- **4.** Fasten each wheel with bolt, nut and two washers (Fig. 2, c).
- **5.** Check the tightening torque of the screw connection. It must be in the range of 10-13 Nm.
- **6.** Repeat the process for all wheels.
- **7.** Finally, check the function of the castors and the locking brakes (see warning below).





WARNING

When the locking brakes are engaged, the swivel castors must not be able to rotate. The swivel castors must run in a straight line

The swivel castors must run in a straight line and swivel smoothly.

Damaged and heavily worn swivel castors and or damaged locking brakes have replaced. ____

3.2 Mounting the back support

Lift the back support with both hands on the side of the back support upholstery and insert the back support tubes vertically from above into the mounting tubes (1, Fig. 3).

- **8.** Secure the back support with the locking screws; see "Scope of delivery" (2, Fig 3).
- **9.** Fold the side elements upwards into the working position (3, Fig. 3). Ensure that the locking bolts engage.

3.3 Fitting the seat / upholstery

- **1.** Remove the film from the seat. Now press the seat plate onto the frame until it fully snaps in place (Fig. 4).
- **2.** Place the closed seat cushion (see scope of delivery) on the recess in the seat.
- **3.** The upholstered seat with opening (optional) is also placed on the recess of the seat.



WARNING

Risk of trapping: Please ensure that the seat fully snaps into place on the frame.



Fig.3



Fig.4

3.4 Attaching the leg supports

- **1.** To hang the leg supports in place on the sides, pick them up by the leg support tubes and insert them into the mounting pins on the frame (1, Fig. 5).
- **2.** Swivel the leg support forwards until the clamping lever engages (2, Fig. 5).

3.5 Adjusting the height of the foot supports

- **1.** Use pliers to remove the black cover cap from the screw connection on the lower leg support tubes (1, Fig. 6).
- Loosen the screw connection with the enclosed universal hexagon spanner (13 mm).
- **3.** Adjust the desired height of the foot support by pulling the foot support downwards, out of the leg support tube (2, Fig.6).
- **4.** Tighten the threaded connection securely again.



NOIE

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

Fig.5



Fig.6

INSTRUCTIONS FOR USE



WARNING

Risk of rolling away: Before any action while stationary, actuate the full brakes on the commode chair.

Risk of trapping: on all movable parts!

4.1 Locking brakes

The TSU-2 is equipped with four 5-inch swivel castors. Depending on the model selected, the two rear swivel castors or all four swivel castors are equipped with brakes. When the respective locking brake is engaged, the swivel castor is braked and also prevented from rotating. For stability and to prevent the commode chair from rolling sideways, the two rear locking brakes must always be engaged.

- **1.** Actuate the locking brake by stepping on the locking rocker (1, Fig. 7).
- **2.** To release the locking brake, step on the small rocker lever (2, Fig. 7).

4.2 Getting in and out from the side

- **1.** Move as close as possible with the commode chair to the spot where you want to transfer from or to the commode chair.
- 2. Engage the locking brakes.
- **3.** To swivel the side element, release the locking bolt by pulling it backwards (1, Fig. 8).
- **4.** The side element can now be swung down (2, Fig. 8).
- **5.** You can now transfer to or from the commode chair sideways.

We recommend that the transfer from the commode chair be carried out with an assistant



WARNING

Usage hazard: If the locking brakes are damaged or unusable, discontinue use of the commode chair immediately.



Fig.7



Fig.8



WARNING

Risk of trapping: When swivelling the side elements, body parts and pieces of clothing may get caught in them.

4.3 Getting in and out from the front

- **1.** Where possible, push the commode chair against a wall or a solid piece of furniture.
- 2. Engage the locking brakes.
- **3.** Fold the foot supports upwards (1, Fig. 9).
- **4.** To fold the leg support, operate the lever (1, Fig. 10) and rotate the leg support to the side (2, Fig. 10).
- **5.** Slowly bend your knees and try to grip the arm support of the side elements.
- **6.** You can now sit down on the commode chair.
- 7. Swivel the leg supports back in place until they snap into position. Now fold the foot supports down and place the feet in front of the heel straps.
- **8.** Subsequently, perform these steps in reverse to get up from the commode chair.



WARNING

Danger of falling: When sitting down and standing up, always fold the foot supports off to the side. Never stand on the foot supports.

4.4 Use as a commode chair

Before use:

- 1. First, engage the locking brakes.
- **2.** Slide the pail without a lid over the slide rail from behind under the seat until it locks in place (1, Fig. 11).
- 3. Remove the seat cushion if necessary.



Fig.9



Fig.10



Fig.11

After use:

- **1.** To empty the pail, pull it out carefully towards the rear.
- **2.** After emptying, clean/disinfect the pail and seat as instructed.
- 3. Replace the seat cushion.



WARNING

Risk of trapping: Do not insert the pail or pull it out while a person is still sitting on the commode chair.

4.5 Transport

The commode chair is not a device for frequent transport. Should it be necessary to transport the chair, we recommend disassembling it according above assembly instructions in reverse. The chair should be packed such that it is in a stable position and there is no danger of sudden and dangerous movements in the means of transport.

If you have to carry the assembled commode chair, we recommend that you remove the foot supports before lifting the commode chair by using both sides of the frame.



WARNING

Risk of injury: Never lift the commode chair by the foot supports or the leg supports.

4.6 Accessories and add-ons from external suppliers

In general only original accessories from DIETZ 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 ...

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

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

COMMODE CHAIR DIMENSIONS

The dimensions given here refer to the standard configuration of the commode chair.



DIMENSIONS AND MASS

	Technical specifications		TSU	J-2
			Min.	Max.
k	Total length with leg supports	mm	815	825
j	Total length without leg supports	mm	55	5
b	Total width	mm	56	0
i	Total height	mm	98	0
	Mass of the heaviest part ¹	kg	6.06	6.26
а	Effective seat width	mm	47	0
f	Effective seat depth	mm	44	.0
d	Seat surface height (front edge) ²	mm	51	0
g	Back support angle	0	3	
h	Back height	mm	450	
С	Distance from foot support to seat ²	mm	37	48
е	Arm support height	mm	27	0
	Static stability towards front	0	10)
	Static stability towards rear	0	10)
	Static stability sideways	0	10	
	Arm support length from rearframe	mm	370	
	Minimum turning diameter	mm	1050	1050
	Steering range	mm	950	1000
	Total weight ²	kg	12.9	13.1
	Maximum user weight³	kg	12	0

PRODUCT TESTS

ISO 17966	Tested according to the requirements and test methods for personal hygiene aids
EN 1021-2	Tested for resistance to ignition by a flame for upholstery materials and plastic components
ISO 10993-5	Tested for toxicity in the material
Test dummy weight	120 kg

¹ Commode chair weight without removable parts (here: without back support/side element, leg supports, seat, upholstery and toilet pail) ² Without seat cushion

³ Maximum user weight including load/The weight of the load reduces the maximum user weight.

FURTHER INFORMATION

Technical specifications		TSU-2
Colours		Manganese grey metallic
Max. drive-over height	mm	420
Arm support (W × L)	mm	50 x 360
Opening in seat	mm	258 x 225
Toilet pail (diameter)	mm	305
Toilet pail lid (diameter)	mm	288
Toilet pail (H)	mm	165
Handle height	mm	980
Swivel castors (diameter x width)	mm/"	127 × 28 / 5 x 1.1
No. of locking brakes		2 ea.
Leg support incl. heel strap	kg	0.78
Back support incl. side elements	kg	2.34
Seat	kg	1.96
Seat cushion	kg	1.21
Toilet pail incl. lid	kg	0.55
Ambient operation temperature		10°C to +40°C
Ambient storage conditions		0°C to 45°C // 20% to 75% relative humidity

MATERIALS

Frame	Steel (powder-coated)	
Back support upholstery	PVC	
Seat surface (grey)	PP	
Seat cushion	PVC	
Arm supports	Plastic (PU)	
Screws, joints	Stainless steel	
Tyres	Plastic (PU)	
Heel strap	Nylon (PA)	
Leg supports, upper section	Steel (powder-coated)	
Leg supports, lower section	Steel (chrome-plated) + plastic (PP)	
Wheel spokes	Galvanised steel	

Note: All materials used are corrosion-resistant and latex-free.

SAFETY INSTRUCTIONS

When using the commode chair, always observe the following safety instructions to prevent falls, hazardous situations and damage to the commode chair:

- The commode chair is only to be used indoors and on a firm, level surface.
- ▼ Always secure the commode chair against rolling away, even when not in use.
- The commode chair is not to be used to transport multiple individuals or loads. Only use it for the intended purpose.
- The commode chair must stand securely upright on all four wheels.
- Always remember that there is a general risk of fingers, other parts of the body, or pieces of clothing getting caught in all the moving parts (leg supports, side elements, toilet pail etc.). For this reason, operate the commode chair with the necessary care.
- When overcoming obstacles, please make sure to use ramps. If the inclination is greater than 10°, there is an increased risk of tipping over in all directions. When there is no user, the commode chair can be carried by the frame under the seat. In both cases, ensure that the toilet pail is empty.

- ▼ Tipping danger! Please note that body movements shift the centre of gravity, which can increase the risk of the commode chair tipping over.
- ▼ Avoid wet spots danger of slipping.
- Never exceed the maximum load of 120 kg for users, incl. additional loads and addons.
- Never use the commode chair under the influence of alcohol or other substances that can negatively affect your attentiveness and ability to react!
- ▼ Avoid exposing the commode chair to sunlight (e.g. via a window, balcony) or low temperatures for long periods of time, as parts of the product (e.g. frame, leg supports, and side elements) can become very hot (> 41 ° C) or very cold (<0 ° C) and may cause skin injuries.
- Any severe incidents associated with the product must be reported to the manufacturer and responsible authority.

SERVICING / MAINTENANCE

We recommend performing the inspections listed in the maintenance schedule at regular intervals to ensure that the commode chair is always safe to use.

Failure to ensure care and maintenance or insufficient care and maintenance of the commode chair leads to a

riction of liability. The maintenance schedule does not provide any information on the amount of work that will actually need to be performed on the commode chair.



NOTE

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



WARNING

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



NOTE

The inspections and measures stipulated in the maintenance schedule must be performed by the user or assistant if not otherwise stated.



NOTE FOR SPECIALIST DEALERS:

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

MAINTENANCE SCHEDULE

	Monthly		
What	Description before using	—	
Locking brake on the swivel castors Check for proper functioning	When the locking brakes are engaged, the swivel castors must not be able to rotate. If the locking brake is damaged, the swivel castor must be replaced by a specialist dealer.	Х	
Seats and upholstery Check for contamination/damage	If the seat or upholstered parts are dirty, clean them according to the cleaning instructions. Have damaged seats and upholstered parts replaced.	Х	
Moving parts Check for correct function and wear	Check all moving parts (leg supports, back support incl. side elements and toilet pail) to ensure that they function smoothly and without noise.	Х	
	The side elements must lock properly and fold away without any play. It must be possible to remove, attach and lock the leg supports without any issues. In the event of functional or surface damage, the components must be replaced by a specialist dealer.		Х
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.		х
Swivel castors Check for correct function and damage	The swivel castors must run in a straight line and swivel smoothly. Have damaged and heavily worn swivel castors replaced.	Х	
	Remove dirt and deposits from the swivel castors.		Х
Frame, entire Functioning and damage	The frame parts and hinges must not be damaged or cracked. Functional and surface defects must be remedied.		Х
Visual inspection check for loose parts, breaks, corrosion or other damage	If damage of this type is found, discontinue use of the commode chair, as safe use can no longer be guaranteed.		х

What	Description	Monthly before using	\	
Check entire commode	The seat and toilet pail are to be cleaned an after every use.	d disinfected	Х	
chair for dirt	Depending on how dirty it is, but at least on the entire commode chair must be cleaned ("Cleaning and disinfection").	ce a month, see chapter		Х

FAULT-FINDING AND RECTIFICATION

What	Possible causes	Measures
	The swivel castor axles are dirty.	Remove the dirt
The commode chair does not move in a straight line.	The swivel castors are worn out or damaged. The swivel castors cannot rotate freely.	Visit an authorised specialist dealer
The commode chair is hard to push.	The swivel castor axles are dirty.	Remove the dirt
	 The fork of the swivel castors is damaged or the swivel castor suspension is no longer properly attached. The locking brakes are damaged. 	Visit an authorised specialist dealer
Brake function is insufficient and uneven.	• The locking brakes are damaged.	Visit an authorised specialist dealer
Squeaking and grinding noises	Various causes	Visit an authorised specialist dealer

REPAIR / REPLACEMENT OF SWIVEL CASTOR

Only to be performed by specialist staff:

- **1.** Loosen the screw connection of the swivel castor on the frame tube with a 10 mm open-end wrench and 10 mm torque wrench.
- **2.** Pull the swivel castor out by the wheel fork, downwards and out of the frame tube, and insert the new castor. Finally, screw the new swivel castor to the frame tube. The tightening torque of the screw connection must be in the range of 10-13 Nm.

CLEANING

To clean the product, use lukewarm water mixed with a mild detergent (without solvents and with a pH value of 5-9). After cleaning, wipe with clear water and then dry the chair with a cloth.

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



WARNING

Material damages: Do not use high-pressure cleaners, strong, corrosive chemicals or scouring agents for cleaning purposes.

Risk of corrosion: To avoid corrosion, ensure that all materials dry completely after cleaning.

DISINFECTION

Wipe down or spray all components thoroughly with commercially available surface disinfectant. Take particular care to disinfect surfaces that come into frequent contact with hands/skin, such as the seat surface, toilet pail, seat cushion, and back support.

Please only use the following disinfectants; use of other chemicals might damage the commode chair.

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



WARNING

Material damages: During disinfection, observe the use and application instructions issued by the cleaning agent / disinfectant manufacturer.

Risk of infection: The commode chair must be disinfected before each new user.

HANDING OVER AND REUSE

Your product is suitable for transfer to/reuse by others. The number of times it can be reused depends on the material wear conditions and the functional capabilities of the respective product.

When handing over the commode chair or re-using it, please remember to hand over to the new user or the specialist dealer all the technical documents necessary for safe handling.

Before being re-used, the commode chair must be cleaned and disinfected, and must be checked for damage and approved by a specialist retailer. To do this, all test points listed in the maintenance plan must be checked on the commode chair

STORAGE

To store the commode chair, ensure that the chair is stored in a dry place protected against direct, strong sunlight and at a temperature of 0°C to $+45^{\circ}\text{C}$.

Engage the locking brakes on the wheels to prevent the commode chair from inadvertently rolling away.

Removable parts (back support, seat, seat cushion and leg supports) can be removed and stored in a safe place.

After longer periods of storage (> 4 months), please check all the inspection points on the commode chair listed in the maintenance schedule before reusing/redeploying the commode chair.



WARNING

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

DISPOSAL

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

Type plate

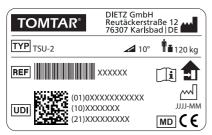


Fig.14

PRODUCT LABELLING

Type plates and warning signs on the commode chair must remain legible. Immediately replace illegible or missing stickers. The serial number sticker is very important for identifying the product, it is placed on the product label, which is placed on the lower lateral frame tube. It must not be removed.

Markings on the product:

TOMTAR°	Trademark
TYP	TYPE/Model
REF	REF = Item number
UDI	UDI = Unique Device Identifier (01) UDI-DI / GTIN (10) Batch / Lot number (21) Serial number
	Manufacturer/manufacturer's trademark/contact address
Ťi	Maximum load capacity/load incl. payload
\sim	Date of manufacture
4	Maximum gradient that can be safely negotiated with the commode chair.
1	The commode chair is only approved for indoor use.
<u>i</u>	Follow the user manual
MD	Medical Device
C€	CE marking

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.

LIFFTIME

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

The DIETZ GmbH is only liable if the product is used under the specified conditions and for the specified purpose. We recommend that the products be handled appropriately and cared for according to the instructions. DIETZ GmbH is not liable for damage caused by components and spare parts that have not been approved by DIETZ GmbH. Repairs must only be carried out by authorised specialist retailers or by the manufacturer itself.

TOMTAR®

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Product group: Bathroom & Toilet

Product: TSU-2/-4

User Manual: 3.1 EN

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