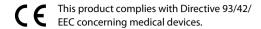




<u>küschall</u>\*Compact

**Active wheelchair** 

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<u>k</u>üschall' Compact

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¿küschall\* Compact

cküschall\* Compact General

# General

### 1.1 Information about the User Manual

Thank you for choosing a Küschall® wheelchair.

This User Manual contains important information about using the wheelchair. In order to ensure safety when using your wheelchair, read the User Manual carefully and follow the safety information.

The equipment of your wheelchair may differ from the descriptions and diagrams given here due to the wide range of models available

# 1.2 Symbols

# **Warnings**

In this User Manual warnings are indicated by symbols. The warning symbols are accompanied by a heading that indicates the severity of the danger.



#### WARNING

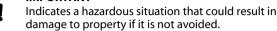
Indicates a hazardous situation that could result in serious injury or death if it is not avoided.



#### **CAUTION**

Indicates a hazardous situation that could result in minor or slight injury if it is not avoided.

#### IMPORTANT



## Tips and recommendations



Gives useful tips, recommendations and information for efficient, trouble-free use.

### 1.3 Guarantee

### **General conditions**

Küschall AG guarantees that their wheelchairs are free from defects and are fully functional. The guarantee covers all faults and defects which are verifiably attributable to faulty construction, substandard materials or poor workmanship. Guarantee claims against Küschall AG may only be made by the distributor and not by the wheelchair user.

# **Limitation of liability**

The guarantee does not cover normal wear and tear, the consequences of improper handling or damage, poor maintenance and incorrect assembly or commissioning by the purchaser or a third person or faults which are attributable to circumstances beyond our control. The guarantee is voided if modifications are made to the wheelchair which were not authorised and not performed by the specialist dealer or if inappropriate spare parts are used. The Küschall AG warranty does not cover consequential costs General <u>«k</u>üschall" Compact

arising from the rectification of defects such as freight and travel expenses, labour costs, fees etc.

# Term of the guarantee

The term of the guarantee is 24 months. The frame is guaranteed for 5 years. Wearing parts are not covered by the quarantee.

### 1.4 Service life

We estimate that the Küschall® wheelchair has a service life span of five years. It is difficult to state the exact length of the service life of our products, and the length stated is an estimated average life span based on normal use.

The life span may be considerably longer if the wheelchair is used to a limited extent, and if it is used with care, maintained and handled properly. The life span may be shorter if the wheelchair is subjected to extreme use.

# 1.5 Copyright protection

This User Manual is protected by copyright. It may not be reprinted or copied or transferred to third parties in part or in full without the prior written consent of the manufacturer.

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Safety

# 2 Safety

This section contains important safety information for the protection of the wheelchair user and assistant and for safe, trouble-free use of the wheelchair.

# 2.1 Safety information



# WARNING! Risk due to driving style being unsuitable for the conditions

There is a risk of skidding on wet ground, gravel or uneven terrain.

Always adjust your speed and driving style to the conditions (weather, surface, individual ability, etc.).



### **WARNING!** Risk of injury

In a collision you could sustain injury to parts of your body that extend beyond the wheelchair (e.g. feet or hands).

- Avoid an unbraked collision
- Never drive into an object head-on
- Drive carefully through narrow passages.



# WARNING! Risk due to wheelchair being out of control

At high speed you could lose control of your wheelchair and overturn.

- Never exceed a speed of 7 km/h.
- Avoid collisions in general.



#### **CAUTION! Risk of burning**

The wheelchair components can heat up when exposed to strong sunlight.



## **CAUTION!** Risk of getting fingers caught

There is always a risk of getting, e.g. fingers or arms, caught in the moving parts of the wheelchair.

 Make sure when activating the folding or insertion mechanisms of moving parts, such as the removable axle of the rear wheel, folding backrest or antitipper, that nothing becomes caught.

#### 2.2 Correct use

The wheelchair is propelled manually and should only be used for independent or assisted transport of a disabled person with mobility difficulties. When used without an assistant, it should only be used by persons who are physically able to use the wheelchair safely (e.g. to propel themselves, steer, brake). The wheelchair should only be used indoors and on level ground and accessible terrain.

Safety <a href="mailto:kischall" Compact"><a href="mailto:kischall"><a href="mailto:kischall" Compact"><a href="mailto:kischall"><a hr



#### WARNING!

Any other or incorrect use of the wheelchair could lead to hazardous situations.

# 2.3 Safety devices



#### WARNING! Risk of accidents

Safety devices that are incorrectly set or no longer working (brakes, antitipper) can cause accidents.

- Always check that the safety devices are working before you use the wheelchair and have them checked regularly by the specialist dealer.

The functions of the safety devices are described in Section 4 – Components and their function.

The wheelchair has been tested in accordance with EN 12183. It includes a test for flammability.

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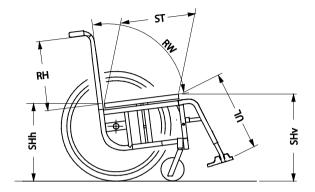
Technical data

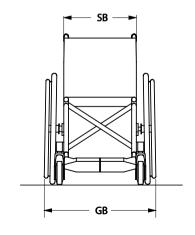
# 3 Technical data

# 3.1 Dimensions and weight

	Seat width (SB) 280–500 mm	61	Seat depth (ST) 320-500 mm
1	Seat height front (SHv) 430–530 mm Seat height rear (SHh) 390–500 mm		Lower leg length (UL) 200-500 mm
			Backrest height (RH) 300–510 mm
	Total width (GB) <sup>1)</sup> 450-670mm	G	Backrest angle (RW) 82°–102°
	Weight <sup>2)</sup> 11 kg	į	Maximum user weight <sup>3</sup> 100-130 kg

<sup>&</sup>lt;sup>1)</sup> Total width = seat width + 170 mm (standard configuration)





<sup>&</sup>lt;sup>2)</sup> Lightest configuration with SW 40 and SD 40, may vary

<sup>&</sup>lt;sup>3)</sup> Dependent on SW; see the identification plate on your wheelchair

Technical data <a href="mailto:kiischall"><a hre

### 3.2 Environmental conditions

Do not expose the wheelchair to temperatures below -20°C or above  $40^{\circ}\text{C}$ .

# 3.3 Tyre pressure

The ideal pressure depends on the tyre type:

Tyre	N	lax. pressur	·e
Low-resistance tyre	7 bar	700 kPa	101 psi
Treaded tyre (marathon)	7.5 bar	750 kPa	108 psi
Slick tyres (speed run)	10 bar	1000 kPa	145 psi
Mountain bike tyre	4 bar	400 kPa	58 psi

### 3.4 Identification label

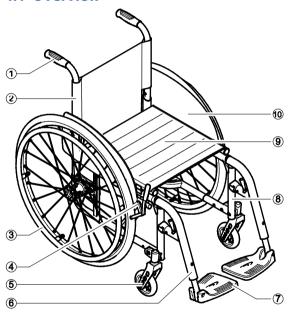
The identification label is attached to the frame of your wheelchair and gives the following information:



- Manufacturer's address
- ② Product description
- 3 Date of manufacture
- ④ Instruction to read the User Manual
- ⑤ Maximum user weight
- Instruction that this wheelchair is not designed for passenger transport in vehicles
- Serial number
- Warning that this is an active wheelchair and can tip backwards

# 4 Components and their function

## 4.1 Overview



- ① Push handle
- ② Back
- 3 Rear wheel with handrim
- Parking brake
- S Front wheel fork with front wheel
- 6 Leg rests, swivelling
- ⑦ Footrest
- 8 Frame
- 9 Seat
- © Clothes-guard

## **Short description**

The Küschall Compact is a folding active wheelchair with cross struts and swivelling leg rests.

The equipment of your wheelchair may differ from the diagram as each wheelchair is manufactured individually to the specifications in the order.

# 4.2 Parking brakes

The parking brakes are used to immobilise the wheelchair when it is stationary to prevent it from rolling away.



# WARNING! Risk of overturning if you brake sharply

If you apply the parking brakes while you are moving, the direction of movement can become uncontrollable and the wheelchair may stop suddenly, which can lead to a collision or to you falling out.

-- Never apply the parking brakes while you are moving.

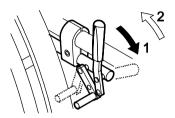


# **WARNING!** Risk of overturning

The parking brakes will not operate correctly unless there is sufficient air in the tyres.

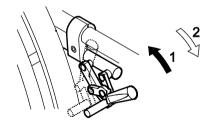
(→ Section 3 – Tyre pressure)

# Standard push brake



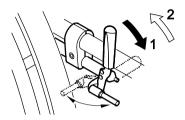
- To apply the brake, push the brake lever forwards as far as possible.
- To release the brake, pull the brake lever backwards.

### **Pull brake**



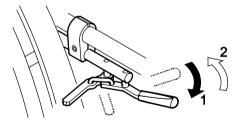
- To apply the brake, pull the brake lever backwards as far as possible.
- To release the brake, push the brake lever forwards.

### **Performance brake**



- To apply the brake, push the brake lever forwards as far as possible.
- To release the brake, pull the brake lever backwards.

### **Active brake**

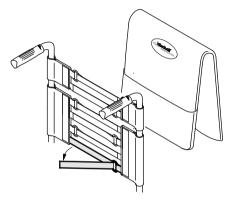


- To apply the brake, pull the brake lever forwards beside or between your knees as far as possible.
- To release the brake, push the brake lever backwards beside or between your knees.

# 4.3 Backrest cover

You can adjust the tension of the backrest cover as required.

# Adjusting the backrest cover



- Remove the backrest cushion.
- Loosen the Velcro® tapes on the rear of the backrest cover by simply pulling on them.
- Tighten or loosen the tapes as required then reattach them.

#### **IMPORTANT**

Do not overtighten the bands; this is to ensure that the geometry of the wheelchair is not changed.

#### **IMPORTANT**

If the bands are set very loose, the tipping point of your wheelchair is changed for the worse.

#### **IMPORTANT**

Only ever tighten the belts when the wheelchair is unfolded.

# 4.4 Hingedown back (optional)

The back can be hinged down and straightened up in both the folded and unfolded state.

# Hinging down/straightening up the back

- To hinge down the back, grip the strap on the back of the wheelchair and pull it upwards.
- At the same time, push the upper edge of the back forwards.
- To straighten up the back, grip the upper edge of the back and fold it upwards.

### **IMPORTANT**

Do not fold and unfold the wheelchair when the back is hinged down.

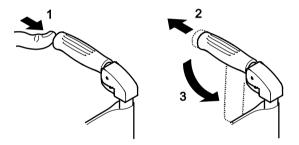
### 4.5 Push handles

#### IMPORTANT

Always check the push handles before using the wheelchair, as to whether the hand grips are secure, cannot be turned and cannot be pulled off.

## Foldable push handles (optional)

Foldable push handles are used when the push handles are only required occasionally.



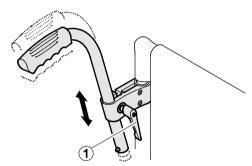
- To fold down the push handles, hold the wheelchair with one hand. Grip the push handle with the other and using your thumb activate the release that is concealed under the plastic. (1)
- At the same time pull the push handle backwards (2) and fold it down (3).
- To fold the push handles up, bring the push handle into the horizontal position until it engages.

#### **IMPORTANT**

Make sure that the push handle does actually engage so that it does not accidentally fold down while pushing the wheelchair.

# Height adjustable, angled push handles, (optional)

The infinitely height adjustable push handles allow any assistant to adjust the handles to a comfortable level.



To set the height of the push handles, loosen the bolt ①, push the handle to the desired position and tighten the bolt again.

# 4.6 Stabilising bar for the back (optional)

An optional stabilising bar is available to increase the rigidity of the backrest on wheelchairs with large back heights or widths.

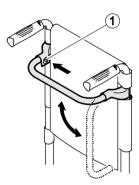
#### **IMPORTANT**

Do not use the stabilising bar to lift or push the wheelchair. It could break.

### IMPORTANT

Release the stabilising bar before folding the wheelchair.

### Releasing the stabilising bar

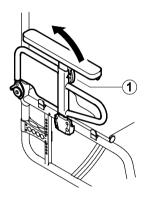


■ Push the spring pin ① on the fastening on the left-hand side and swivel the stabilising bar downwards.

The stabilising bar can also be completely removed, by pushing the spring pins on both sides. The stabilising bar can then be taken off.

### 4.7 Sides

# Siderest in the frame colour, height adjustable, foldable



### **Folding**

Grip the siderest by the cushion or by the front curve and fold it back.

#### Removing

■ Fold the siderest back and pull it up out of the holder on the back.

#### **Fitting**

Insert the siderest from above into the holder on the back.

Fold it downwards.

### Adjusting the height

- Tip the lever ① on the front of the support and move the armrest upwards or downwards until you reach the desired height.
- Engage the lever.
- Perform the setting on both sides.

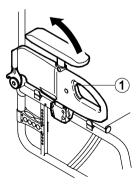


#### CAUTION

This siderest does not engage into the wheelchair.

- Therefore you should not hold it in order to lift the wheelchair.

# Siderest with locking mechanism, height adjustable, foldable



#### **Folding**

Push the grey grip ① and fold the siderest back.

#### Removing

Fold the siderest back and pull it up out of the holder on the back.

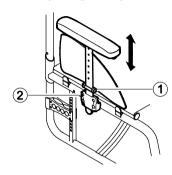
### **Fitting**

- Insert the siderest from above into the holder on the back.
- Fold it downwards.

#### Adjusting the height

- Release the bolt in the middle of the seat back using a spanner.
- Move the armrest upwards or downwards until you reach the desired height.
- Tighten the screw.
- Perform the setting on both sides.

# Siderest, infinitely height adjustable



#### Removing

- Pull the siderest by the arm cushion out of the holder.
- To adjust how easy or difficult it is to pull the siderest out of the holder, change the degree to which the screws are tightened.

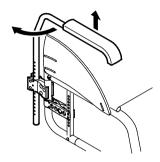
#### **Fitting**

Push the siderest into the holder.

### Adjusting the height

- Loosen the screw ① of the retaining plate ②.
- Move the armrest upwards or downwards until you reach the desired height.
- Tighten the screw ①.
- Perform the setting on both sides.

# Simple armrest, height-adjustable, swivelling



### Removing

Raise the armrest and pull it upwards out of the holder.

#### **Fitting**

Push the armrest into the holder.

### Adjusting the height

- Pull the armrest out of the holder.
- Loosen the screw on the tube of the armrest and screw it back in at the desired height.
- Push the armrest back into the holder.
- Perform the setting on both sides.

#### **Swivelling**

Raise the armrest a little and swivel it outwards.

# 4.8 Antitipper

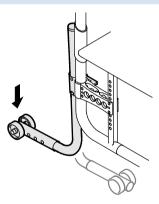
An antitipper prevents the wheelchair from tipping backwards.



#### **WARNING!** Risk of overturning

Antitippers that are incorrectly set or no longer working can lead to overturning.

- Always check that the antitipper is working before using the wheelchair and have it set or readjusted by a specialist dealer when required.



#### **Activating the antitipper**

Push the antitipper downwards and swivel it backwards until it engages.



### **CAUTION!** Risk of tipping

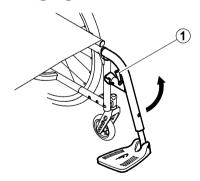
An activated antitipper can catch when negotiating a step or an edge.

- Always deactivate the antitipper before driving over a step or kerb.

### **Deactivating the antitipper**

Push the antitipper downwards and swivel it forwards until it engages.

# 4.9 Swivelling leg rests



## **Swivelling**

- Activate the release lever ① and swivel the leg rests to the outside.
- Swivelling forwards

# Swivel the leg rest forwards until it engages.

- Unhinging
- Activate the release lever ①.
- Pull the leg rest upwards.

# Hinging

Hinge the leg rest on the front of the frame and swivel it forwards until it engages.

### 4.10 Seat cushion

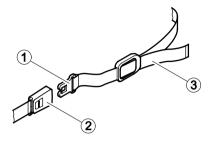
A suitable cushion is needed to provide an even pressure distribution on the seat.

### 4.11 Accessories

# **Safety belt**

Your wheelchair can be fitted with a safety belt which will prevent you from falling out.

Components and their function & küschall' Compact



### Fitting a safety belt

#### **IMPORTANT**

Safety belts must be fitted by a specialist dealer.

# **Opening the safety belt**

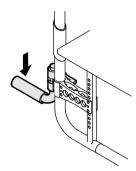
Push in the PRESS button and pull the catch ① out of the buckle ②. The safety belt opens.

### Closing the safety belt

- Push the catch ① into the buckle ②.
- Tighten the belt ③ until you are held securely in the wheelchair.

# **Tipper aid**

With the tipper aid, an assistant can tip the wheelchair more easily, in order to navigate steps for example.



- Hold the wheelchair by the push handles.
- Press the tipper aid with your foot and hold the wheelchair in the tipped position until you have overcome the obstacle.



#### **CAUTION! Risk of overturning**

The tipper aid must not project beyond the external diameter of the rear wheel.

# Air pump

The air pump is fitted with a universal valve connection.

- Remove the dust cap from the valve connection.
- Push the valve connection onto the open valve on the wheel and pump the wheel up.

#### **Passive illumination**

You can attach reflectors to the rear wheels.

#### Cane holder

- Place the cane in the holder.
- Fix the top of the cane to the backrest.

# $\overline{\mathbb{A}}$

### **CAUTION! Risk of overturning**

The cane holder must not project beyond the external diameter of the rear wheel.

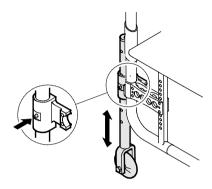
#### **Transit wheels**



#### **WARNING!**

When using transit wheels, the parking brakes no longer have any effect and you cannot control your wheelchair via the handrims.

If your wheelchair is too wide for certain applications, e.g. trains/aeroplanes, narrow passageways, narrow doors, the transit wheels can be used.



### **Switching to transit wheels**

- Lower the transit wheels into the operating position. To do this, press the pin inwards until you can pull the tube down
- Press the second pin in.
- Pull the tube further downwards until the pin engages into the slot.
- Move the wheelchair to a stable object (door frame, heavy table), which you can use for support and hold onto it firmly with one hand.
- Tilt the wheelchair until the rear wheel on the opposite side rises off the floor.
- Remove the rear wheel (→Section 7 Removing the rear wheels).

Components and their function

- Repeat the process on the other side.
  - Prior to removing the rear wheels, the distance between the lowered transit wheels and the floor should not be more than 2 cm.

#### Switching from transit wheels to rear wheels

- Move the wheelchair to a stable object, which you can use for support and hold onto it firmly with one hand.
- Tilt the wheelchair until the transit wheel on the opposite side rises slightly off the floor.
- Fit the rear wheel back onto the removable axle  $(\rightarrow$  Section 7 *Fitting the rear wheels*).
- Bring the transit wheels back into the inactive position.
- Repeat the process on the other side.

### **Luggage carrier**

Your wheelchair can be fitted with a luggage carrier. When not in use, the luggage carrier can be folded up.



#### **IMPORTANT**

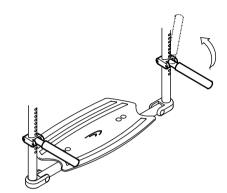
Only use the luggage carrier for the intended purpose.



### **WARNING!** Risk of tipping

Weight on the carrier changes the tipping behaviour of the wheelchair.

- The wheelchair can tip forwards more easily when the luggage carrier is loaded.



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# 5 Set-up



#### **CAUTION!**

Before using the wheelchair, check its general condition and its main functions. (See Section 8 – *Maintenance*)

Your specialist dealer will supply your wheelchair ready for use. Your dealer will explain the main functions and ensure that the wheelchair meets your needs and requirements.

Using the wheelchair <a href="küschall">küschall</a> Compact

# 6 Using the wheelchair

# **6.1 Safety information**



### **CAUTION! Risk of crushing**

There may be a very small gap between the rear wheel and the mudguard with the risk that you could trap your fingers.

Ensure that you always propel your wheelchair using the handrims only.



### **CAUTION! Risk of crushing**

There may be a very small gap between the rear wheel and the parking brake with the risk that you could trap your fingers.

Ensure that you always propel your wheelchair using the handrims only.



#### **WARNING!** Risk of accidents

Uneven tyre pressure can have a huge effect on handling.

- Check the tyre pressure before each journey.

# **6.2 Braking during use**

Whilst you are moving, you brake by transferring force to the handrim with your hands.

■ Hold the handrims and press evenly with both hands until the wheelchair stops.



# WARNING! Risk of overturning if you brake sharply

If you apply the parking brakes while you are moving, the direction of movement can become uncontrollable and the wheelchair may stop suddenly, which can lead to a collision or to you falling out.

-- Never apply the parking brakes while you are moving.



#### **CAUTION!**

If you brake for a long time, a lot of frictional heat is produced at the handrims (especially MaxGrepp and Supergripp). You could burn your hands.

- Wear suitable gloves.

ليs (küschall' Compact Using the wheelchair

# **Braking with an assistant**

With an assistant's brake (drum brake) an assistant can brake the wheelchair while it is moving. The assistant's brake can also be used as a parking brake.



- To brake, pull the brake lever on the push handle.
- To park, pull the brake lever firmly until the safety lever engages.
- To release, pull the brake lever and release the safety lever underneath the brake lever.

# **6.3 Getting in and out of the wheelchair**



### WARNING! Risk of overturning

There is a high risk of overturning during the transfer.

- Only get in and out without assistance if you are physically able to do so.



#### **WARNING!** Risk of overturning

The wheelchair could tip forwards if you stand on the footrest.

- Never stand on the footrest when getting in and out.



#### **CAUTION!**

If you release or damage the brakes the wheelchair could roll away out of control.

- Do not support yourself on the brakes when getting in and out.

#### **IMPORTANT!**



The mudguards and armrests could become damaged.

- Never sit on the mudguards or armrests when getting in and out.
- Apply the parking brakes.
- Fold the footrests up or swing them to the side (depending on design).
- Place your feet on the ground.

Using the wheelchair <a href="mailto:kuschall"><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall"><a href="mailto:kuschall"><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto

Hold the wheelchair and, if necessary, also hold a fixed object in the vicinity.

# 6.4 Driving and steering the wheelchair

You drive and steer the wheelchair using the handrims.

Before driving without an assistant you must find your wheelchair's tipping point.



#### **WARNING!** Risk of tipping

The wheelchair can tip backwards if it is not fitted with an antitipper. When finding the tipping point, an assistant must stand immediately behind the wheelchair to catch it if it tips over.

To prevent tipping, install an antitipper device.



## **WARNING!** Risk of tipping

The wheelchair can tip forwards.

 When setting up your wheelchair, test its behaviour in terms of tipping forward and adjust your driving style accordingly.



### **CAUTION!**

A heavy load hanging on the backrest can affect the wheelchair's centre of gravity.

- Change your driving style accordingly.

# Finding the tipping point



- Release the brake.
- Roll forwards a short distance, grasp both handrims firmly and pull backwards with a slight kick.
- The shift in weight and steering in opposite directions with the handrims will enable you to identify the tipping point.

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# 6.5 Negotiating steps and kerbs



### **WARNING!** Risk of overturning

When negotiating steps you could lose your balance and tip the wheelchair over.

- Always approach steps and kerbs slowly and carefully.
- Do not go up or down steps that are higher than 25 cm.



#### **CAUTION**

An activated antitipper prevents the wheelchair from tipping backwards.

- Deactivate the antitipper before going up or down steps or kerbs.

### With an assistant



#### Going down a step

- Move the wheelchair right up to the kerb and hold the handrims.
- The assistant should hold both push handles, place one foot on the tipper aid (if installed) and tilt the wheelchair backwards so that the front wheels lift off the ground.
- The assistant should then hold the wheelchair in this position, push it carefully down the step and then tilt it forwards until the front wheels are back on the ground.

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#### Going up a step

- Move the wheelchair backwards until the rear wheels touch the kerb
- The assistant should tilt the wheelchair using both push handles so that the front wheels lift off the ground, then pull the rear wheels over the kerb until the front wheels can be placed back on the ground.

#### Without an assistant



#### **WARNING!** Risk of tipping

When going down a step without an assistant you could tip over backwards if you cannot control your wheelchair.

- First learn how to go down a step with an assistant.
- Learn how to balance on the rear wheels (→Section 6 *Driving and steering the wheelchair*).



#### Going down a step

- Move the wheelchair right to the kerb, lift the front wheels and keep the wheelchair balanced.
- Now slowly roll both rear wheels over the kerb. While doing this, hold the handrims firmly with both hands until the front wheels are back on the ground.

# 6.6 Going up and down stairs



### **WARNING!** Risk of overturning

When negotiating stairs you could lose your balance and overturn your wheelchair.

- Always use 2 assistants when negotiating stairs with more than one step.

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You can go up and down stairs by taking them one step at a time, as described above. The first assistant should stand behind the wheelchair holding the push handles. The second assistant should hold a solid part of the front frame to steady the wheelchair from the front.

# 6.7 Negotiating ramps and slopes



# WARNING! Risk due to wheelchair being out of control

When negotiating slopes or gradients your wheelchair could tip backwards, forwards or sideways.

- Always have an assistant behind the wheelchair when approaching long slopes.
- Avoid lateral slopes.
- Avoid slopes of more than 7°.
- Avoid jerking when changing direction on a slope.



#### **CAUTION!**

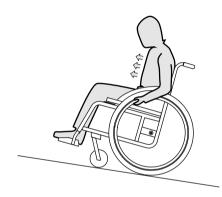
Your wheelchair could run away even on slightly sloping ground if you do not control it using the handrims.

- Use the parking brakes if your wheelchair is stationary on sloping ground.

Using the wheelchair <a href="mailto:kuschall"><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall"><a href="mailto:kuschall"><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto:kuschall</a><a href="mailto:kuschall">mailto

# **Going up slopes**

To go up a slope, you must create some momentum, keep up the momentum and control the direction at the same time.



Bend your upper body forwards and propel the wheelchair with quick, powerful strokes on both handrims.

# **Going down slopes**

When going down slopes, it is important to control your direction and particularly your speed.



Lean back and carefully allow the handrims to run through your hands. You should be able to stop the wheelchair at any time by gripping the handrims.



#### **CAUTION!**

If you brake for a long time, a lot of frictional heat is produced at the handrims (especially MaxGrepp and Supergripp). You could burn your hands.

- Wear suitable gloves.

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# 6.8 Stability and balance when seated

Some everyday activities and actions require you to lean forwards, sideways or backwards out of the wheelchair. This has a major effect on the wheelchair's stability. To keep your balance at all times, proceed as follows:

### **Leaning forwards**



### **WARNING!** Risk of falling out

If you lean forwards out of the wheelchair you could fall out of it. Never bend too far forwards and do not shift forwards in your seat to reach an object. Do not bend forwards between your knees to pick up something off the floor.



- Point the front wheels forwards.
  (To do this, move your wheelchair forwards slightly then back again.)
- Apply both parking brakes.
- When leaning forwards your upper body must remain over the front wheels.

Using the wheelchair

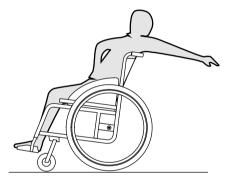
# **Reaching backwards**



### **WARNING!** Risk of falling out

If you lean too far backwards you could tip your wheelchair over.

Do not lean out over the backrest. Use an antitipper device.



- Point the front wheels forwards.
  (To do this, move your wheelchair forwards slightly then back again.)
- Do not apply the parking brakes.
- When reaching backwards do not reach so far that you have to change your sitting position.

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Transport

# 7 Transport

# 7.1 Safety information

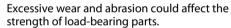


# WARNING! Risk of injury if wheelchair is not secured during transport

Your wheelchair is not designed for passenger transport in vehicles. You could suffer serious injury in an accident.

- During transport, sit in a correctly secured seat, not in the wheelchair.





- Do not pull your wheelchair across abrasive surfaces without the wheels fitted (e.g. pulling the frame over tarmac).

# 7.2 Folding and unfolding the wheelchair



#### IMPORTANT

Do not fold and unfold the wheelchair when the back is hinged down.

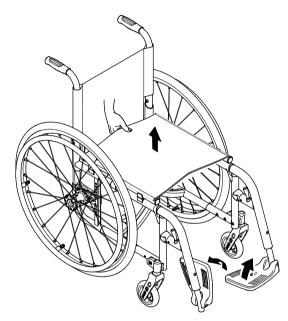
# Folding the wheelchair



#### **IMPORTANT**

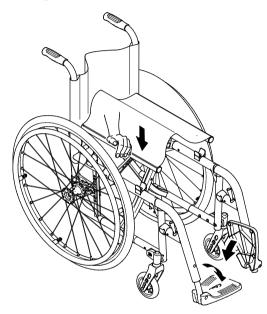
Release the stabilising bar, if present, before folding the wheelchair.

Transport <u>küschall' Compact</u>



- Remove the seat cushion.
- Fold the footrests upwards.
- Pull the seat cover upwards.
- Now you can fold the backrest down, if your wheelchair is fitted with a folding back.

# **Unfolding the wheelchair**





## **CAUTION!** Risk of getting fingers caught

There is a risk of getting your fingers caught between the seat edge and the frame.

-Therefore you should never clasp the seat edge with your fingers.

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- Position the wheelchair next to you.
- If the back is down, fold it up.
- Tilt the wheelchair, if possible, gently towards you.
- With your hand flat, press the seat edge closest to you, so that the seat surface flattens out.
- Put the wheelchair back completely on the floor and check that the seat edges on both sides are in the guide components.
- Fold the footrests down.

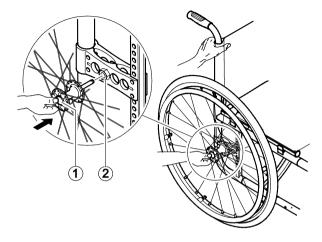
# 7.3 Removing and fitting the rear wheels



### **WARNING!** Risk of overturning

If the removable axle of a rear wheel is not fully engaged, the wheel can become loose during use. This can lead to overturning.

- Always ensure that the removable axles are fully engaged whenever you fit a wheel.



# Removing the rear wheels

- Release the brakes.
- With one hand, hold the wheelchair upright.
- With the other hand, hold the spokes around the wheel hub.
- Press the removable axle button ① with your thumb and hold it down. Keep it pressed and pull the wheel out of the adapter sleeve ②.

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# Fitting the rear wheels

- Release the brakes.
- With one hand, hold the wheelchair upright.
- With the other hand, hold the spokes around the wheel hub.
- Press the removable axle button with your thumb and hold it down.
- Push the axle into the adapter sleeve ② up to the stop.
- Release the removable axle button and make sure that the wheel is secure.

küschall' Compact Maintenance

# 8 Maintenance

## 8.1 Maintenance schedule

To ensure safe and reliable operation, carry out the following checks and maintenance regularly or have it carried out by another person.

	Weekly	Monthly	Annually
Check the tyre pressure	✓		
Check that rear wheels are seated correctly	✓		
Visual check		✓	
Clean the front wheels		✓	
Check bolts		✓	
Check spokes		✓	
Check parking brakes		✓	
Have wheelchair checked by the specialist dealer			✓

## Check the tyre pressure

- Check the tyre pressure (→ Pressure table in Section 3 -Technical data).
- Inflate the tyres to the required pressure.
- Check the tyre tread at the same time.
- If necessary, change the tyres

# Check that rear wheels are seated correctly

- Pull on the rear wheel to check that the removable axle is seated correctly. The wheel should not come off.
- If the rear wheels are not engaged properly, remove any dirt or deposits. If the problem persists, have the removable axles re-fitted by a specialist dealer.

#### Visual check

- Examine your wheelchair for loose parts, cracks or other defects.
- If you find anything, have your wheelchair checked immediately by a specialist dealer.

### Clean the front wheels

- Check that the front wheels turn freely.
- Remove any dirt or hair from the front wheel bearings.

### **Check the bolts**

Bolts can work loose through constant use.

Maintenance <u>k</u>üschall Compact

- Check that the bolts are tight (on the front wheel supporter, footrest, seat cover, sides, adapter plate, backrest).
- Tighten any loose bolts.

#### IMPORTANT!

- Safety nuts and bolts lose their effectiveness as a result of repeated loosening and tightening.
  - Safety nuts and bolts should be replaced by a specialist dealer.

# Check the spoke tension

The spokes should not be loose or distorted.

- Loose spokes should be tightened by a specialist dealer.
- Broken spokes should be replaced by a specialist dealer.

# **Check the parking brakes**

- Check that the parking brakes are positioned correctly. The brake is set correctly if the brake shoe depresses the tyre by a few millimetres when the brake is applied.
- If you find that the setting is not correct, have the brakes correctly set by a specialist dealer.

#### **IMPORTANT**

The parking brakes must be reset after replacing the rear wheels or changing their position.

# Repairing or changing an inner tube

- Remove the rear wheel and release any air from the inner tube
- Lift one tyre wall away from the rim using a bicycle tyre lever. Do not use sharp objects such as a screwdriver which could damage the inner tube.
- Pull the inner tube out of the tyre.
- Repair the inner tube using a bicycle repair kit or, if necessary, replace the tube.
- Inflate the tube slightly until it becomes round.
- Insert the valve into the valve hole on the rim and place the tube inside the tyre (the tube should lie right round the tyre with no creases).
- Lift the tyre wall over the edge of the rim. Start close to the valve and use a bicycle tyre lever. When doing this, check all the way round to ensure that the inner tube is not trapped between the tyre and the rim.
- Inflate the tyre to the maximum operating pressure. Check that no air is escaping from the tyre.

### **Spare parts**

All spare parts may be obtained from a Küschall specialist dealer.

A current list of spare parts is available on the internet at www.kueschall.com.

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# 8.2 Cleaning

Your wheelchair will serve you well for many years if you clean it regularly.

#### IMPORTANT!

- Sand and seawater can damage the bearings and steel parts can rust if the surface is damaged.
  Only expose the wheelchair to sand and seawater for short periods and clean it after every trip to the beach.
- Clean the cushions and metal parts with a soft, damp cloth.
- Dry the wheelchair carefully with a cloth after using it in the rain or in the shower.
- If the wheelchair is dirty, wipe off the dirt as soon as possible with a damp cloth and dry it carefully.

#### IMPORTANT!

Do not use coarse abrasives, aggressive cleaning products or high-pressure cleaners.

## 8.3 Disinfection

The wheelchair may be disinfected by spraying or wiping with tested, approved disinfectants.

The Robert Koch Institute has a list of currently approved disinfectants at http://www.rki.de.

Troubleshooting <u>küschall' Compact</u>

# 9 Troubleshooting

Faults may arise as a result of daily use, adjustments or changing demands on the wheelchair. The table below shows how to identify and repair faults.



#### **CAUTION!**

Contact your specialist dealer immediately if you notice a fault with your wheelchair, e.g. a significant change in handling.



#### IMPORTANT!

Some of the actions listed must be carried out by an authorised specialist dealer. These are indicated. We recommend that *all* adjustments are carried out by a specialist dealer.

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Troubleshooting

# 9.1 Identifying and repairing faults

Fault	Possible cause	Action
The wheelchair does not	Incorrect tyre pressure on one rear wheel	Correct tyre pressure (→Section 3 - Technical data)
travel in a straight line	One or more spokes broken	Replace faulty spoke(s) (→specialist dealer)
	Spokes tightened unevenly	Tighten loose spokes (→specialist dealer)
	Front wheel bearings are dirty or damaged	Clean or replace the bearings (→specialist dealer)
The wheelchair tips	Rear wheels are mounted too far forwards	Mount the rear wheels further back (→specialist dealer)
backwards too easily	Back angle too large	Reduce the backrest angle (→specialist dealer)
	Seat angle too large	Mount the adapter plate lower on the side profile (→specialist dealer)  Select a smaller front fork (→specialist dealer)
The brakes are gripping	Incorrect tyre pressure in one or both rear tyres	Correct the tyre pressure (→Section 3 – Technical data)
poorly or asymmetrically	Brake setting incorrect	Correct the brake setting (→specialist dealer)
Rolling resistance is very high	Tyre pressure in rear tyres is too low	Correct tyre pressure (→Section 3 - Technical data)
The front wheels wobble when moving fast	Too little tension in front wheel bearing block	Tighten the nut on the bearing block axle slightly (→specialist dealer)
	Front wheel has worn smooth	Change front wheel (→specialist dealer)
The front wheel is stiff or stuck	Bearings are dirty or faulty	Clean or replace the bearings (→specialist dealer)
The wheelchair is very difficult to unfold	Backrest cover is too tight	Loosen the Velcro bands of the backrest cover a little (→Section 4 - Backrest cover)

After use <a href="kischall"><a href="kischall"</a> Compact

# 10 After use

### 10.1 Re-use

The wheelchair is suitable for re-use. The following actions should be taken:

- Cleaning and disinfection according to Section 8 -Cleaning in this manual.
- Inspection according to Chapter 8 Maintenance schedule in this manual.
- The wheelchair should be adapted for the new user in accordance with the service documentation (available from the Küschall® distributor for your country, →end of this document).

# 10.2 Disposal

Be environmentally aware and dispose of your wheelchair properly. Disposal is subject to national and local regulations.

For correct disposal, contact your specialist dealer or ask your town or district council about local waste management companies.

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Deutschland: Ulrich Alber GmbH • Vor dem Weissen Stein 21 • D-72461 Albstadt-Tailfingen

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