momo tricycle.



Instructions for use.

momo tricycle. The tricycle as therapy aid.







Dear Customer

At this point we would like to thank you for placing your trust in our company and for purchasing our product. We ask you to read through the Instructions for use carefully prior to initial commissioning of the product, and to observe them. Please note that guidelines and representations in these Instructions for use may deviate from your product due to differing equipment. We reserve the right to make technical modifications.

Important information!

Ensure that these Instructions for use remain with the product.

Your schuchmann Team

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05 **1. Preparation.**

1.1 Delivery

On receiving the product, please check it for completeness, lack of faults and any transport damage. Inspect the goods in the presence of your forwarder. Should transport damage have occurred, please arrange for an inventory (determination of the faults) to be made in the presence of the forwarder. Please send a complaint in writing to the specialist dealer responsible.

1.2 Safety measures prior to use

The correct use of the product requires a detailed and careful instruction of the user or the accompanying person. We ask you to read through the Instructions for use carefully prior to initial commissioning of the product, and to observe them. It is possible that product parts that get in contact with the skin may heat up in the sun. Cover these areas or protect the device from direct sunlight.

1.3 Safe disposal

In order to preserve and protect the environment, to prevent environmental pollution and to improve the recycling of raw materials, please note the disposal instructions in **points 1.3.1** and **1.3.2**.

1.3.1 Packaging

The packaging of the product should be kept for any future transport that might be required. Should you have to return the product for repairs or in case of a guarantee claim, please if possible use the original box so that the product is optimally packaged. Otherwise, separate the packaging materials for recycling according to their classification.

Do not leave packaging materials unattended, as they are a possible source of danger.

1.3.2 Product

At the end of the product life cycle, recycle the raw materials used in the product according to their nature (see material information under **point 2.1**).

1.4 Where to store the Instructions for use

Please store these Instructions for use carefully and ensure that these Instructions for use remain with the product in case of re-use. Should you lose the instructions, you can always download an updated version at www. schuchmann.de .

2.1 General information

All base frames are made of aluminium, which is non-corroding and powder-coated. All other materials used are protected against corrosion through the use of stainless steel, aluminium or plastic. All important parts, such as the saddle, handlebars or also the pedals, can be individually adapted to the individual requirements. Thanks to special accessories, users can be positioned e.g. at the torso or in the calf area / foot area. The tricycles generally have a brake hub / backpedal hub brake on the rear wheel (except for those with a rigid sprocket) and an air pressure-independent parking brake on the front wheel.

2.2 Handling and transport

The **momo tricycle.** is not intended for carrying since it is equipped with wheels. Should you have to carry the equipment due to obstacles, ensure that all moving parts are tightened. Then two people should position themselves next to the tricycle, grip it on the left and right of the frame and carry it to the required location. To transport the tricycle, reduce all adjustments to their most compact size (saddle height, handlebar height, remove accessories etc.).

2.3 Application areas, use according to the intended purpose

The **momo tricycle.** is a medical product of risk class 1 and was designed for children, youths and adults for outdoors. This tricycle permits users with disabilities (see indications) to move independently. The physiotherapeutic treatment is supported and the support and balance reactions as well as movement coordination are trained. Any other use or use over and above this purpose shall be considered not in accordance with the intended purpose.

2.3.1 Indications

The **momo tricycle.** is suited for users with neuromuscular disorders (e.g. cerebral palsy, muscular dystrophy), who cannot use standard bicycles or vehicles, not even with commercial support wheels, due to their disabilities. To ensure mobility in outdoor areas and participation in social life (integration in a group of persons of the same age) and/or to improve the support and balance reaction/movement coordination within the scope of physio-therapeutic treatment (regular measures of physical therapy)

2.3.2 Contraindications

In general, the indication should be accompanied by a doctor/orthopaedist. It should therefore be clarified prior to procurement whether contraindications exist for the patient. Any danger to the user or others through the use of a tricycle should be excluded. In general, any type of pain represents a contraindication.



2.4 Use not in accordance with the intended purpose / warning guidelines

- Correct usage of the product requires precise and careful training of the accompanying person.
- Replace bent handlebars and handlebar stems immediately! Breakage may occur in the event of continued use or repairs.
- The vehicle may only be used on stable and flat ground.
- Please observe the "Technical data" in these instructions for use for the maximum permitted patient weight.
- Always wear light-coloured and distinctive clothing!
- Always be ready to brake, in particular in steep terrain and sections which are not easy to assess!
- · Show consideration for other people who are walking or hiking!
- Do not hang loads on the handlebars; this compromises the travel safety.
- Test the fastenings for the pedal cranks, pedals and, if applicable, the wheels regularly
- For your own safety, we recommend that you always use your vehicle with a helmet. Please ensure in particular that the helmet is of good quality. It should accord at least with the legal regulations or recommendations (standard: EN 1078 or ANS)!
- Check that the brakes, lights and bell function properly prior to each journey!
- · Ensure that your vehicle accords with the legal requirements!
- Only ride if the bicycle is in proper condition!
- Do not use headphones so that you can remain aware of warning sounds.
- If a push rod is mounted, it must only be used to guide the vehicle. The push rod is NOT suited for relocating the bicycle or for lifting or tilting!
- In wet conditions, the braking distance of your tricycle will become longer. Therefore, always ensure that your speed remains such that you can stop at any time.
- The tricycle is not suitable for carrying a second person. The consequences arising from such use, which is not in accordance with the intended purpose, shall not fall within the scope of responsibility of the manufacturer.

- The tricycle basket may only bear loads of up to 20 kg.
- When adjusting the tricycle there is the risk of trapping or crushing limbs.
- Users who have difficulty reading must have someone read these Instructions for use aloud so that they understand how to use the product.

2.5 Equipment in accordance with StVZO

For roadworthy tricycles, the following components are specified in accordance with the German Road Traffic Regulations:

- Two brakes functioning independently of one another
- A bicycle bell with a clear ring
- Headlamps, rear lamp with reflectors, large-area reflectors, pedal reflectors, 2 yellow spoke reflectors or white reflecting rings on each wheel, and front reflectors in the design tested for the construction type.
- A bicycle trailer may only be used on bicycles with a sturdy frame and fork construction. Also important are strong bicycle brakes at the front and rear. Users must remember that the riding characteristics of the loaded trailer change substantially in comparison to operation of the bicycle on its own.

2.6 Equipment for basic model

- Aluminium frame with extra-low access point
- Rim brake with separate parking brake
- Angle adjustable handlebar stem
- Light system acc. German Road Traffic Regulations (24" - 26")
- Handlebar damper for stabilisation when moving straight on
- Drum brake in front wheel (16" - 26")
- Mudguards on all wheels (no mudguard at rear for 12")
- Basket

2.7 Product overview

The Fig. below is intended to show you the designation of the most important components as well as the terms which you will find in these Instructions for use.



2.8 Overview of equipment / accessories

Art. No.	Saddle	Saddle			
37 01 001	Standard saddle Size 1			15 cm	21 cm
37 02 001	Standard saddle Size 2			15 cm	24 cm
37 03 001	Standard saddle Size 3			18 cm	26 cm
Art. No.	Saddle		Rear width	Front width	Length
3701024	Gel saddle Size 1		19 cm	4 cm	24 cm
37 02 024	Gel saddle Size 2		24 cm	7 cm	27 cm
Art. No.	Saddle	Rear width	Front width	Rear length	Length total
3701003	Saddle seat with ischium depressions Size 1	20.5 cm	4 cm	9.5 cm	14.5 cm
3702003	Saddle seat with ischium depressions Size 2	24 cm	4 cm	9.5 cm	14.5 cm
Art. No.	Saddle	Rear width	Width in centre	Front width	Length
3700010	Unicycle saddle – Banana-shaped (Step length increases by 2 cm)	11 cm	6 cm	8 cm	25 cm
Art. No.	Saddle	Rear width	Front width	Rear length	Length total
3700 023	Moped saddle (Inside leg length increases by 2 cm)	26 cm	9.5 cm	12 cm	25 cm

Saddle posts

Art. No.		Saddle post
3701004	1	Standard saddle post Size 1 for 12"
3702004	1	Standard saddle post Size 2 for 16"
3703004	N.	Standard saddle post Size 3 for 20" - 26"
Art. No.		T-saddle post
3701005	4	T-saddle post Size 1 for 12"
3702005	T	T-saddle post Size 2 for 16" + 20"
3703005	N	T-saddle post Size 3 for 24" + 26"

Art. No.		Holding bracket with mount	Max. height*	Depth
37 01 007	1	Holder bracket Size 1	20 cm	12 cm
3702007		Holder bracket Size 2	30 cm	12 cm
37 03 007		Holder bracket Size 3	37 cm	12 cm
3704007		Holder bracket Size 4	53 cm	12 cm
3709007		Holder bracket, customer-made	cm	cm
3702055	+	Universal bracket – for harnesses when not using pelotte pads (width = 27.5 cm)		

* Max. height: measured on a standard saddle up to the top edge of the back pelotte pad

Art. No.	Headrest	Width	Height
3701029	Headrest Size 1	20 cm	15 cm
3702029	Headrest Size 2	23 cm	18 cm

Art. No.	Classic handlebars – black		Width
37 01 011	Classic handlebars for 12"		47 cm
3702011	Classic handlebars for 16"		50 cm
3703011	Classic handlebars for 20"		58 cm
37 04 011	Classic handlebars for 24"-26"		61 cm
Art. No.	Touring handlebars	Width	Depth
3701012	Touring handlebars Size 1	55 cm	17 cm
3702012	Touring handlebars Size 2	58 cm	17 cm
Art. No.	Round handlebars	Width	Depth
3701013	Round handlebars Size 1	40 cm	17 cm
3702013	Round handlebars Size 2	43 cm	25 cm
Art. No.	Multifunctional handlebars – suitable for 20" – 26"	Width	Depth
3702014	Multifunctional handlebars	61.5 cm	16.5 cm
Art. No.	Handlebar lock limiter – adjustable up to direction determin	nation	
3701006	Handlebar lock limiter Size 1 for 12"		
3703006	Handlebar lock limiter Size 2 for 16" - 26"		
Art. No.	Handlebar extension		Length
3701022	Handlebar extension Size 1 for 12"		10 cm
3702022	Handlebar extension Size 2 for 16" - 26"		10 cm

Foot pans									
Art. No.		Foot pans with leg guidance	Min. width at front	Max. Front width	Min. width at rear	Max. Rear width	Length	Min. height of leg guidance	Max. height Leg gui- dance
37 01 018		Size 1	8.7 cm	10.4 cm	5.7 cm	7.4 cm	17.4 cm	15 cm	18.5 cm
37 02 018	115	Size 2	9.5 cm	12 cm	6.7 cm	9.2 cm	20.1 cm	18 cm	22 cm
37 03 018	APA	Size 3	11.5 cm	14 cm	8.1 cm	10.6 cm	23.8 cm	21 cm	26 cm
3704018		Size 4	11.5 cm	14 cm	8.1 cm	10.6 cm	23.8 cm	28 cm	36 cm
Art. No.		Foot pans			Min. width at front	Max. width at front	Min. width at rear	Max. width at rear	Length
37 01 017	1	Foot pans Si	ze 1		8.7 cm	10.4 cm	5.7 cm	7.4 cm	17.4 cm
37 02 017	AB	Foot pans Si	ze 2		9.5 cm	12 cm	6.7 cm	9.2 cm	20.1 cm
37 03 017	20	Foot pans Si	ze 3		11.5 cm	14 cm	8.1 cm	10.6 cm	23.8 cm

Art. No.	Foot pans with dynamic leg guidance	Min. width at front	Max. width at front	Min. width at rear	Max. width at rear	Length	Min. height of leg guidance	Max. height Leg gui- dance
3701035	Size 1	8.7 cm	10.4 cm	5.7 cm	7.4 cm	17.4 cm	15 cm	18.5 cm
3702035	Size 2	9.5 cm	12 cm	6.7 cm	9.2 cm	20.1 cm	18 cm	22 cm
37 03 035	Size 3	12 cm	15 cm	8.8 cm	11.8 cm	24 cm	20.5 cm	25.5 cm

Art. No.		Pedals	Depth		
37 00 013	0	Foot positioning pedals – with bike toe clips and compensation weights	13 cm		
Art. No.		Pedals	Width		
37 00 014		Exercise bike pedals	12 cm		

Art. No.	Dynamic back pelotte pads – padded with strap and mount	Width
3701008	Dynamic back pelotte pad Size 1	20 - 30 cm
3702008	Dynamic back pelotte pad Size 2	25 - 35 cm
3703008	Dynamic back pelotte pad Size 3	30 - 40 cm
Art. No.	Width adjustable back pelotte pad - padded, including mount	Width
3701025	Width adjustable back pelotte pad Size 1	20 - 28 cm
3702025	Width adjustable back pelotte pad Size 2	25 - 33 cm
3703025	Width adjustable back pelotte pad Size 3	30 - 36 cm

Art. No.	Dynamic pelvic guidance pelotte pad – padded, with strap and mount	Width
3701009	Dynamic pelvic guidance pelotte pad Size 1	20 - 30 cm
3702009	Dynamic pelvic guidance pelotte pad Size 2	25 - 35 cm
3703009	Dynamic pelvic guidance pelotte pad Size 3	30 - 40 cm
Art. No.	Width adjustable back guidance pelotte pad - padded, including mount	Width
3701026	Width adjustable pelvic guidance pelotte pad Size 1	20 - 28 cm
3702026	Width adjustable pelvic guidance pelotte pad Size 2	25 - 33 cm
3703026	Width adjustable pelvic guidance pelotte pad Size 3	30 - 36 cm

Art. No. Hand positioning - for all handlebars					
3700054	Hand positioning size 0	8.5 cm			
3701054	Hand positioning size 1				10 cm
3702054	Hand positioning size 2				12 cm
37 03 054	Hand positioning size 3				14 cm
Art. No.	Chest strap – for the width adjust	able back p	elotte pad	Width	Length
37 01 050	Chest strap Size 1			5 cm	18.5 cm
3702050	Chest strap Size 2			6.5 cm	25.5 cm
37 03 050	Chest strap Size 3			7 cm	30.5 cm
Art. No.	Positioning vest – for the width adjustable back pelotte pad	Inside width	Total width	Side height	Total height
3701051	Positioning vest size 1	8 cm	25 cm	10 cm	28 cm
3702051	Positioning vest size 2	9 cm	30 cm	12 cm	30 cm
3703051	Positioning vest size 3	12 cm	34 cm	16 cm	35 cm
Art. No.	Groin strap, T-shaped – for the width adjustable pelvic pelotte pad	Width Seat surface	Front width	Length Seat surface	Total length
3701052	Groin harness, T-shaped Size 1	24 cm	23 cm	15 cm	32 cm
3702052	Groin harness, T-shaped Size 2	26 cm	26 cm	17 cm	34 cm
3703052	Groin harness, T-shaped Size 3 28 cm 28		28 cm	19 cm	38 cm
Art. No.	4-point pelvic harness - for the width adjustable pelvic pelotte pad	Width Exterior parts	Width Centre section	Length Exterior parts	Length Centre section
3701053	4-point pelvic harness Size 1	7 cm	7 cm	12 cm	12 cm
3702053	4-point pelvic harness Size 2	9 cm	8.5 cm	13 cm	14 cm
3703053	4-point pelvic harness Size 3	11.5 cm	11 cm	15 cm	16 cm

		Handlebars
Art. No.		\ensuremath{Push} bar – height adjustable, removable and equipped with an integrated antirotation lock
37 00 011	L	Push bar
Art. No.		Parking brake for accompanying escorts - only usable in connection with push bar
3700012	R	Parking brake for accompanying escorts
Art. No.		Steering for accompanying escorts using steering linkage including handlebar lock limiter (can only be used in connection with push bar)
37 01 010	N N	Steering for accompanying escorts for 12"
37 02 010		Steering for accompanying escorts for 16"
37 03 010	KO SI	Steering for accompanying escorts for 20"
37 04 010		Steering for accompanying escorts for 24"
37 05 010	H/S	Steering for accompanying escorts for 26"

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Light system				
Art. No.		Light system		
37 03 021		Retrofitting of the lights system for 12" side dynamos and reflectors acc. German Road Traffic Regulations		
37 02 021		Retrofitting of a light system for 16" + 20" with side dynamos and reflectors acc. German Road Traffic Act Regulations		
37 01 021	见(》)	Retrofitting of a lights system for 16" + 20" with hub dynamo and reflectors acc. StVZO (German Road Traffic Act Regulations)		
3704021		Lights system with hub dynamo for 24" + 26"		

Art. No.		for		
37 03 023		20"		
3704023	3704023 Removable axle stabilisers – not possible with switching drives			
3705023		26"		

Art. No.		Basket			
3801019		Basket for 12" + 16"			
3803019		Basket for 20" + 24"			
3805019		Basket for 26"			

Art. No.		Handlebar brake	for	
3701028		Devied have all a have with the state to see sizes		
37 02 028	93	Round handlebars with brake lever ring	Size 2	
3701031	C	Round handlebars with brake function	Size 1	
3702031	ALL-	The actuation of the braking function takes place by simply pressing down the round handlebars	Size 2	

2.9 Drive possibilities

The **momo tricycle.** can be equipped with the following drives:

Rigid sprocket

During active pedaling, the rigid sprocket supports the user in overcoming the "dead"/apex point of the crank. A passive user is assisted in pedalling constantly; in addition it permits travel forwards or backwards.



Changeover from rigid sprocket to neutral hub

In addition to the functions of the rigid sprocket, the drive can be uncoupled and thus the passive pedalling can be interrupted, for example for transfer distances.

Freewheel brake hub (with backpedal brake)

The freewheel brake hub allows the user to stop and start pedalling as they wish. They can brake by pedalling backwards.

Extra-light transmission

An extra-light transmission can be selected for all the above-mentioned types of drive. Here a larger pinion on the rear axle permits improved force transmission and thus makes it easier for the user to start pedalling.

Transfer between the rigid sprocket, idling hub and 7 gear freewheel brake hub with reverse option

This option combines the functions of the above-mentioned drives. Using a switch lever (A), it is possible to select between a rigid sprocket, idling hub and the 7 gear freewheel brake hub with reverse option. To do this, pull the

level (\mathbf{A}) out of the recess and allow it to engage in the required position in order to select between the different drive versions. In the left-hand recess, the rigid sprocket, in the central recess the idling hub and in the right-hand recess the 7-gear freewheel brake hub with reverse option can be activated.



3 or 7-gear freewheel brake hub (with backpedal brake)

Using the 3 or 7-gear freewheel brake hub, the user can stop and start pedalling at will. They can brake by pedalling backwards. The user-friendly 3 or 7-gear hub gear system permits switching of gears when the tricycle is at a standstill. Switching takes place using the twist grip shifter on the handlebars.

3 or 7-gear neutral hub (without backpedal brake)

Using the 3 or 7-gear neutral hub, the user can stop and start pedalling at will. They can also bring the pedals into the optimum position to start using the neutral gear. The user-friendly 3 or 7-gear hub gear system is suitable for any terrain and also permits switching of gears when the bicycle is at a standstill. Switching takes place using the twist grip shifter on the hand-lebars.

3 or 7-gear freewheel brake hub with reverse option

Using the 3 or 7-gear freewheel brake hub, the user can stop and start pedalling at will. In addition, they can ride backwards. The user-friendly 3 or 7-gear hub gear system permits switching of gears when the tricycle is at a standstill. Switching takes place using the twist grip shifter on the handlebars.

7-gear freewheel brake with wheel brake (without backpedal brake)

In the 7-gear freewheel hub with wheel brake forward, the movement can be interrupted as desired and be converted in free backwards pedaling in further forward drive. The user-friendly 7-gear hub gear system is suitable for any terrain and also permits switching of gears when the bicycle is at a standstill. Switching takes place using the twist grip shifter on the handlebars.

2.10 The initial riding attempts

Please remember that, prior to setting off on your own, you must first practice with an accompanying escort in order to learn how to deal with riding around curves on the tricycle, as this is where the risk of accidents is greatest. Always ride around curves as slowly as possible. Please also remember that the widest part of your tricycle is behind you. Therefore, practice using appropriate obstacles so that you learn to estimate the width of your tricycle better.

7 **3. Settings.**

Settings and adjustments to the product or accessories may only be made by people who have been given the necessary instructions by a medical product advisor. Please ensure that none of the user's extremities are in the respective area when making adjustments of any kind to minimise the risk of injury.

3.1 Presettings

The **momo tricycle.** is supplied completely assembled. Prior to initial use, however, the following pre-settings must be made.

3.1.1 Handlebar adjustment

You can find our scope of delivery for handlebars on page 11 of these Instructions for use. **Height of handlebars**

To adjust the height of the handlebars, remove the protective cap from the hexagon socket (A), loosen the hexagon socket (A) and adjust the stem (B) to the required height. By tapping the head of the hexagon socket (E) lightly with a hammer, the stem in the fork steerer will loosen. Then re-tighten the hexagon socket.



Ensure that the marking for the minimum insertion depth (C) remains on the stem in the fork steerer and therefore cannot be seen.

Handlebar adjustment

To adjust the handlebar position, loosen the clamping screws (**D**), bring the handlebars into the required position and then firmly

re-tighten the clamping screws (**D**). To change the tilt angle on the stem, please loosen the clamping screw (**F**). The steerer factory setting is 20°. In this way you can change the distance between the saddle and the handlebars, and adjust the required handle height. Then firmly re-tighten the screws again.



After each adjustment, please retighten all screw connections!

After adjustment of the handlebars, there must still be no tension placed on the brake cables. If necessary, extend the cables!

3. Settings.

3.1.2 Saddle adjustment

You can find our selection of saddle forms on page 10 of these Instructions for use.

Saddle height

The height of the saddle can be adjusted on the frame saddle tube (\mathbf{A}) by pulling the saddle post in or out. In order to adjust the height, please loosen the clamp (\mathbf{B}) and bring the saddle into the required height. Align the saddle and tigh-

ten the clamp (**B**) so tightly that the saddle support no longer twists. Thesaddleheightistobere-setbasedontheinseamlength.Hereanycontracturesofthekneesmustbetakenintoconsideration.Thesaddleheightshouldbe inspected when the user is sitting on the saddle. The leg extension should not be 0°. In the upper position of the pedal, the knee flexion should not be more than 90°. Should it not be possible to achieved this setting through the saddle height, it is possible to undertake further settings through crank shortening (see **point 4.9 - 4.11**).

Adjusting the saddle horizontally

Every saddle (except for the unicycle saddle) can be minimally adjusted horizontally. To do this, loosen the nuts (\mathbf{D}) with a size 13 wrench and push the caliper block (\mathbf{C}) forwards or backwards on the seat stays.

Adjusting the saddle with t-saddle post horizontally

In order to check the horizontal saddle position, turn the pedal crank horizontally forwards and put the foot (while the rider is sitting on the saddle) onto the pedal. Once the lower leg is vertical, the saddle position is correct. You can also loosen the two nuts (\mathbf{D}) under the saddle using a size 13 wrench, push the saddle to the rear or forwards and re-tighten the nuts.



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During adjustment, the saddle post may not be

pulled out over the respective marking, as in this case sufficient clamping cannot be guaranteed. The markings are in part designed differently.







3. Settings.

3.2 Brakes

For the **momo tricycle.** different brakes are available, depending on the user's individual requirements.

3.2.1 Parking brake

The parking brake supports the use when climbing on and off the tricycle and secures it against inadvertently rolling away. To activate the parking brake, press the lever (\mathbf{A}) on the handlebar stem (\mathbf{B}) downwards. To release the parking brake, push the lever up again.



Always ensure that the brake or the brake blocks function correctly and have been adjusted (see below).

Adjustment of the parking brake or brake blocks

Ensure that the braking function immediately takes effect on actuation of the parking brake lever, taking the necessary backlash into account. Due to "settling" of the Bowden cables and the natural wear on the brake blocks, it is necessary to reset the brake or replace the brake blocks after a certain amount of time. Each gap between the rim and the brake lining should not be larger than 1.5 mm. To



do this, loosen the clamping screw (**C**), press the brake blocks together by hand, pull the Bowden cable taut and then re-tighten the clamping screw. If the brake blocks are not accurately aligned with the rim edge (**D**), you must readjust them accordingly. In order to change the alignment of the brake blocks, loosen the screws (**E**). Leave this work to your specialist dealer in case of any uncertainty.



After each adjustment of the cantilever (V) brake, carry out a brake test. The brake blocks may only be replaced by ones in an identical design. Observe the manufacture name or marking and the type designation. New brake blocks do not achieve the required braking effect until they have been used multiple times.

• 3. Settings.

3.2.2 Round handlebars with brake lever ring

Braking with round handlebars with brake lever ring is done by gently pushing down the ring (**A**) and is therefore suitable for users with limited strength in arms and hands who require the round handlebars as support point at the same time. The brake lever ring is coupled with the rim brake.

3.2.3 Round handlebars with brake function

The braking function is triggered by simply pressing the round handlebars (**B**) downwards. The round handlebars with braking function is suitable for users with limited strength in arms and hands.

3.2.4 Drum brake in front wheel

The brake lever for actuation of the drum brake is located on the right-hand side of the handlebars. If available, please use the front wheel drum brake always only in connection with the backpedal brake while riding the bicycle.

The braking effect can be reduced if the brakes are used frequently. Therefore ensure to regularly re-adjust the Bowden cable of the brake when you notice a loss in braking power (see Point 3.2.1)

3.2.5 Backpedal brake

The backpedal brake is actuated by pedaling backwards. The drive options of the freewheel brake hub and the 3 or 7-gear freewheel brake hub feature a backpedal brake.

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The backpedal brake is only functional when the chain sits correctly! If the chain jumps off, it is not possible to brake using the backpedal brake!

The rear wheel may block in case of strong braking procedures. Risk of crashes!



During long downhill runs, it is essential that you use the front and rear brakes in order to avoid overheating of the rear hub brake. This may lead to brake malfunctions!









²¹ **3. Settings.**

3.3 Tyres and hoses

The tyres on the tricycle must always have sufficient air pressure, otherwise the tyres may puncture and the rims may be damaged, or the riding characteristics negatively influenced. The minimum and



maximum tyre pressure is indicated on the casing (**A**). If the tyre tread only depresses slightly on being pressed forcefully with the thumbs, the tyre pressure is correct. For exact values, use a pressure gauge!

Check all tyres regularly and replace them immediately in case of damage or wear!

3.4 Light system / dynamo

Side dynamo: The lighting system is activated by pressing the switch (**A**) of the side dynamo. The dynamo roller then lies automatically against the tyre flank.

Hub dynamo: The hub dynamo is automatically integrated into the wheel and is switched on via the switch (**B**) on the headlight.



4.1 Dynamic back and pelvic guide pelotte pads

All back and pelvic guide pelotte pads can only be used in connection with a holding bracket (see **Point 4.7**). For depth adjustment of the pelotte pad holding bracket, please loosen the screws (**A**) on the right and lefthand sides of the support under the saddle, and bring the holding bracket into the required position. The angular adjustment of the holding bracket takes place after loosening the screw (**B**) on the support. The pelotte pads are adjusted in height after loosening the screw (**C**) on the respective support.



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4.1.1 Width adjustable back and pelvic guide pelotte pads

For information on the height, angle and depth adjustment of the back and pelvic guide pelotte pads, see **Point 4.1**. The width adjustable back and pelvic guide pelotte pads can be adjusted in width. To do this, loosen the screws (**D**) on the rear of the back or pelvic guide pelotte pads and bring them into the required position.

4.2 Headrest

The headrest can only be used in connection with a holding bracket (see **Point 4.7**) and is adjustable in height. In order to adjust the height, loosen the screw (\mathbf{E}) and bring the headrest into the required position



After each adjustment, please retighten all screw connections!







²³ **4. Accessories.**

4.3 Push bar

The push bar is height adjustable and equipped with an integrated antirotation lock. In addition, it can be dismantled. In order to adjust the height, please loosen the clamp (**A**) and bring the push handle into the required height. In order to remove the entire push bar, please loosen the clamp (**B**). Please ensure on insertion that the push bar is inserted up to its limit into the push handle holder, and cannot be rotated.



Use the push bar only to guide the tricycle! The push bar is NOT suitable for moving, lifting or tilting the tricycle!

4.4 Parking brake for accompanying escorts

The parking brake for accompanying escorts (which can only be used in conjunction with the push bar), ensures that the tricycle does not roll away

inadvertently. The function of the lever is similar to a normal brake lever. For this reason, the parking brake can also be used as a normal brake. If however the brake should be locked in parking position, the claw (**D**) must be pressed into the ratchet with the brake lever



(C) pulled. Loosen the locking device by pulling the brake lever (C).



Always ensure that the brake or the brake blocks function correctly and have been adjusted (see Point 3.2.1).

4.5 Steering for accompanying escorts

The steering for accompanying escorts (via steering linkage, including handlebar lock limiter) allows the accompanying escort to help determine the direction of travel of the tricycle by shif-

ting the front wheel without interrupting the user's pedaling movements.



Through the steering unit, the ground clearance under the rear axles is reduced on the momo tricycle. in 12" to approx. 6 cm.



4.6 Handlebar lock limiter

The handlebar lock limiter can be adjusted to determine the direction of travel. In order to adjust the handlebar lock limiter, please loosen all grub screws (A) and bring the limiter (B) into the required position. You can determine the direction by moving both limiters (B) towards the handlebar stop (C) and tightening them.



If possible please leave the settings on the handlebar lock limiter as set at the factory!

4.7 Holding bracket with mount

The holding bracket (\mathbf{D}) with mount (\mathbf{E}) permits head, torso or pelvic supports to be attached, which provide the tricycles with additional stability. Included in the scope of delivery is the black bracket adapter, which is mounted onto the T-saddle post. Then the holding bracket is pushed into the holding socket (\mathbf{F}) and can be adjusted in depth. To do this, simply adjust the required position and then tighten the screws (\mathbf{G}) . To change the angle of the back strap, loosen the screw (\mathbf{H}) , remove it and insert it into the desired hole (\mathbf{I}) on the mount. Subsequently tighten the screws (\mathbf{G}) again.



The use of the holding bracket is exclusively possible in combination with the T-saddle post!





4.8 Universal adapter

The universal adapter is mounted onto the holding bracket and is used to mount the strap set available for the tricycle. The universal adapter is adjustable in height. To do this, simply loosen the screw (\mathbf{A}) at the rear on the adapter and bring the universal adapter into the required position.



4.9 Crank shortener (continuously adjustable) Not possible for 24" + 26"wheels

The adjustable crank shorteners are to be mounted onto the cranks with clamps. Please note here that the crank shortener marked "R" is to be mounted on the right-hand side and the crank shortener marked "L" is to be mounted on the left-hand side. The adjustment of the crank shortener is to be undertaken so that the amplitude of the pedal depicts the flexibility of the knee joint. In the lower pedal

position, the maximum extension to be achieved, and in the upper position, the maximum flexion of the knee is to be achieved. This adjustment is to be undertaken in interaction with the saddle height. In order to adjust the continuously adjustable cable shortener, loosen the screws (**B**) and bring them into the required position.

4.10 Crank shortener

The crank shortener must be mounted onto the cranks using the screw included in delivery and the clamp, and shortens the crank by 2.5 or 5 cm. Please note here that the crank shortener marked "R" is to be mounted on the right-hand side and the crank shortener marked "L" is to be mounted on the lefthand side. The pedal is to be mounted in the required position in the crank shortener. The position of the pedals must be conducted so

that the amplitude of the pedal depicts the flexibility of the knee joint. In the lower pedal position, the maximum extension to be achieved, and in the upper position, the maximum flexion of the knee is to be achieved. This adjustment is to be undertaken in interaction with the saddle height. In order to adjust the crank shortener, loosen the pedals with a 15mm openend wrench and place it into the opening (**C**).





h

4.11 Special crank for knee contracture

The special crank for knee contractures is suitable for 20" - 26" tricycles, and can either be mounted on the left or right-hand side.

4.12 Removable axle stabilisers

To achieve more compact dimensions during transport, the nut must be removed and the quick-release clamp released. Now the respective side of the axle stabiliser can be pulled off the main frame. On the right-hand side, it is necessary to pull the stabiliser off horizontally as he drive axle is pulled out of the drive unit. The assembly of the axle stabiliser takes place analogue to the disassembly. During assembly of the right-hand axle stabilisation, the drive axle must be inserted into the drive unit and the wheel rotated slightly if necessary, so that the groove at the end of the drive axis engages into the spring in the drive unit.

4.13 Exercise bike pedals

The exercise bike pedals are characterised by their integrated balancing weight, whereby the tread surface automatically balances itself horizontally. This permits the rider to climb on independently. The strap (**A**) is adjustable in length, and at the same time provides easy side guidance. To adjust the length



of the strap (A) pull on the lower end in order to loosen the strap (A) from the plug (B). Now adjust the strap (A) to the required length.



4.14 Foot positioning pedals

The foot positioning pedals are characterised through the integrated balancing weight, whereby the treads are automatically horizontally balanced. This permits the rider to step onto them independently. The strap (\bf{A}) is adjustable in length, and at the same time provides easy side guidance. The cage mounted at the front of the pedals (\bf{B})



prevents the toes from slipping through at the front. In order to adjust the strap (**A**) in length, pull the strap (**A**) back out of the strap guide (**C**). Now the strap (**A**) can be shortened through pulling and extended through pressing under the lock. To fix the adjustment, guide the strap (**A**) back through the strap guide (**C**).

4.15 Foot pans

The foot pans provides side guidance and thus prevents internal or external rotations of the foot. To guarantee this function, the foot pan is adjustable in width, which can be conducted by loosening the three screws (**D**) and shifting the side part (**E**) in the slotted hole. The foot pans are mounted at the factory centrally on the pedals. In order to shift the pressure point under the foot, it must be moved in four positions. To do this, the nuts (**F**) under the pedals must be removed and the screws (**D**) moved into the required positions. Then the counterplate must be placed onto the screws (**D**) and the nuts (**F**) must be re-tightened. By loosening the nuts



(**F**) and twisting the foot pan on the pedal, it is possible to adjust the rotation. In order to secure the user in the foot pan, pull the snap-in strap (**G**) for preliminary fixation. Then fix the straps (**H**) and (**I**).

4.16 Foot pans with leg guidance

See **Point 5.3** for the function and settings of foot pans. The leg guidance also stabilises the foot joint and reduces internal rotation of the leg. The adjustment of the leg guidance is to be undertaken through loosening of the screws (**A**) and moving them in the slotted hole. The height adjustment should be selected so that the calf clamp lies against the vertex of the calf. By loosening the screw (**B**) on the inside of the leg guidance, the calf clamp can be adjusted in depth.





4.17 Foot pans with dynamic leg guidance

For the function and adjustment of foot pans with leg guide, see **Point 5.4**. The dynamic leg guidance also permits defined rotation of the leg and thus prevents excessive abduction, in particular of short legs. At the same time, the stabilisation of the foot joint is retained. To adjust the degree of movement of the leg guidance, loosen the cover (**C**) and the nut below it, and screw the elastomer in or out accordingly. Check the movement range of the leg guidance.





4.18 Chest strap

The chest strap is attached to the width adjustable back pelotte pad, and, if required, ensures secure positioning of the user. The strap is mounted with the aid of the plug lock to the back pelotte pad and threaded through the strap guidance on the click buckle. Then the click buckle is pressed down to fix.

4.19 Positioning vest

The positioning vest is mounted in the lower area of the width adjustable back pelotte pad. Screw the strap ends of the positioning vest onto the universal adapter and tighten the screws (**A**). The strap of the positioning vest is mounted onto the back pelotte pad with the aid of the plug lock, and threaded through the strap guidance on the click buckle. Subsequently the click buckle is pressed down for positioning.



4.20 Groin harness, T-shaped

The T-shaped groin harness is mounted onto the width adjustable pelvic pelotte pad. The strap is mounted onto the pelvic pelotte pad with the aid of the plug lock and threaded through the strap guidance on the click buckle. Then the click buckle is pressed down to fix.

4.21 4-point pelvic harness

The 4-point pelvic harness is mounted onto the width adjustable pelvic pelotte pad. The strap is mounted onto the pelvic pelotte pad with the aid of the plug lock and threaded through the strap guidance on the click buckle. Then the click buckle is pressed down to fix.

4.22 Hand positioning aid

The hand positioning aid provides additional security for the user by keeping their hands safely on the handlebars. To do this, simply place the hand into the hand positioning aid and close the hook and loop closures.







5. Cleaning and servicing.

5.1 Cleaning and disinfecting

5.1.1 Cleaning

In order to retain the functional safety and the appearance of the tricycle, it must be regularly maintained. Please observe the following guidelines:

- Never allow dirt to dry onto the bicycle, but always remove it with water and a soft cloth or sponge. Do not use a high-pressure washer for cleaning as otherwise the bearings, the paint or the decorations can get damaged.
- Do not use aggressive cleaning agents. Use a mild detergent solution to clean.
- Repair paintwork damage immediately.

Please also pay attention to our general cleaning and hygiene advice. This can be found at **www.schuchmann.de/mediathek**.

5.1.2 Disinfection

Various products can be used for surface disinfection of metal and plastic parts.

Liquid disinfectants are available as ready-to-use solutions that are sprayed on and evenly applied with a soft cloth. Alternatively, wipes pre-soaked with disinfectant can be used to wipe the products over the entire surface. In both cases, care must be taken to ensure complete wetting. Disinfection in fully automatic disinfection systems is also possible and recommended. The exposure times may vary and can be found in the manufacturer's instructions for the products used.

5. Cleaning and maintaining.

5.1.3 Chain maintenance

Drive chains must be regularly cared for. This is in particular the case after riding in rain. The chain must be lubricated with a commercially available chain oil. Due to the expansion of the chain which is a natural result of use, regular inspection of the chain tension is required. Check the chain tension by testing whether the chain on the tricycle can be pressed max. 10 - 15 mm upwards and downwards. In order to reset the tension of the chains in the drive area, loosen the nuts (**A**) on the hub and pull the hub evenly to the rear. In the second step, the main chain must



be adjusted by shifting the idler roller (**B**). Leave this work to your specialist dealer in case of any uncertainty!



After each adjustment, please retighten all screw connections!

An incorrectly-tensioned chain can lead to increased wear!

5.2 Servicing / controls

Please carry out a daily visual inspection and check the tricycle regularly for cracks, breaks, missing parts and malfunctions. In case of a defect or malfunction, please contact the specialist dealer who supplied you with the product (see **Point 8.5**).

5.3 Maintenance

For reasons of user safety and to maintain product liability, maintenance needs to be carried out every 1,000 km, however at least once a year, by a specialist dealer (see **Point 8.5**). The maintenance work carried out must be documented in the maintenance plan (see **Point 5.3.2**).

5. Cleaning and servicing.

5.3.1 Maintenance specifications

- Check the chain and chain tension, adjust if necessary, clean and oil (see Point 5.1.3).
- Check rear wheel track, adjust if necessary.
- Check bottom bracket and lubricate if necessary.
- Lubricate pedal bearing, check bearing clearance and if necessary adjust or replace.
- · Check the hub gear and adjust if necessary.
- Check the brake system for function, adjust if necessary. If the brake is poor, check the hand lever, cable, brake lever and brake pads for their condition, adjust and replace if necessary.
- · Lubricate joints and bearing points.
- · Replace bent or trapped cables.
- Check rims for side and top impacts.
- Check the spoke tension and adjust if necessary.
- · Check the tyre profile.
- Check the lighting and signal system.
- · Check rear hub and lubricate if necessary.
- Check frame and fork for damage and replace if necessary.

5.3.2 Maintenance plan

Maintenance specifications of the manufacturer (see $\ensuremath{\text{Point 5.3.1}}\xspace$) were carried out:



Any defects or damage found must be repaired by the specialist dealer or the manufacturer before reuse.

5. Cleaning and servicing.

5.4 Repairs

Tricycle repairs that are not performed by your specialist dealer are at the user's own risk and discretion.

5.5 Controls

Controls to be performed by the user of the bicycle if necessary:

- · Check the chain and chain tension, adjust if necessary, clean and oil.
- · Check the chain for wear, oil and replace if necessary.
- Check bottom bracket mounting and repair if necessary.
- Check pedals for clearance.
- Gear system check settings.
- Check the handlebar and handlebar stem for damage and replace if necessary.
- Check the brake system for function and adjust if necessary.
- Check the tyre pressure and profile.
- Check the lighting and signal system.

5.6 Storage

Storage in winter

Before storing the tricycle in a dry room with constant temperature in winter, clean it (see **Point 5.1**) and make sure that the tyre pressure is sufficient (see **Point 6.3**).

Inspection in spring

Prior to using the tricycle again in spring, ensure that the tyre air pressure is sufficient (see **Point 6.3**) and that there is no damage to the tricycle.

5.7 Spare parts

Only use accessories and spare parts made by Schuchmann, otherwise you will endanger the user and the warranty becomes void.

Please contact the supplying specialist dealer (see **Point 8.5**) to order spare parts stating the serial number of the tricycle (see **Point 8.2**). Necessary spare parts and accessories must only be installed by trained personnel.

5. Cleaning and maintaining.

5.8 Duration of use and re-use

The expected duration of use of our product, dependent on the usage intensity and amount of re-use, totals up to "8" years, if the usage takes place in accordance with the information in these instructions for use. It may be possible to use the product over and above this time period if it is in a safe condition. The expected duration of use does not refer to wear parts, such as for example covers, wheels, batteries.....The maintenance and evaluation of the condition, and if applicable the potential for re-use, must be decided by the specialist dealer.

The tricycle is suitable for re-use. Prior to forwarding, please follow the cleaning and disinfection instructions stated in **Point 5.1**. Accompanying documents such as these Instructions for use are part of the product and must be passed on to the new user.



Should a serious incident occur during the service life of the product despite being used as intended, this must be reported immediately to the manufacturer and the competent authority.

6. Technical data.

6.1 Dimensions



							26" (XL)
A*	Pedal to top edge of saddle min.	30 - 38 cm	42 - 57.5 cm	50 - 64.5 cm	56.5 - 73.5 cm	66.5 - 83 cm	74 - 90.5 cm
A**	Pedal to top edge of saddle min.	33 - 41 cm	45 - 60 cm	52 - 68 cm	58 - 81.5 cm	67.5 - 91 cm	75 - 98.5 cm
B	Saddle support tube to front tube	33 cm	39 cm	45 cm	52 cm	58 cm	58 cm
С	Wheelbase	68 cm	80 cm	91 cm	104 cm	112 cm	112 cm
D	Access point height	16 cm	18 cm	20 cm	22 cm	23 cm	23 cm
E	Complete length	102 cm	120 cm	140 cm	165 cm	178 cm	178 cm
	Complete width	58 cm	65 cm	69 cm	75 cm	75 cm	75 cm
	Tare weight	12 kg	14.5 kg	17 kg	19.5 kg	21.5 kg	21.7 kg
	max. load	40 kg	60 kg	80 kg	100 kg	120 kg	120 kg
	* Dimensions with standard saddle post / ** Dimensions with T-saddle post						

6.2 Torque specifications

Pedal cranks	40 Nm
	20 Nm - 22 Nm
Rear wheels	25 Nm - 30 Nm

6. Technical data.

6.3 Tyre pressure

The minimum and maximum tyre pressure is indicated on the casing (\mathbf{A}) .



7. Guarantee.

The two-year statutory guarantee period shall apply for all products. This begins with the delivery or handover of the goods. Should a verifiable material or manufacturing fault occur within this time period, we shall, after carriage paid return to us, view the indicated damage and, if applicable, either repair or deliver a new product at our discretion.

8. Identification.

8.1 EU Declaration of Conformity



Datei: Konformitätserklärung momo dreirad

Stand: Rev. 3.0

Seite: 1



Datei: Konformitätserklärung momo dreirad

Stand: Rev. 3.0

Seite: 2

8. Identification.

8.2 Serial number / date of manufacture

The serial number, the date of manufacture and other information can be found on the type plate, which is located on all of our products (**A**).



Product labelling in accordance with MDR

8.3 Product version

The **momo tricycle.** is available in six sizes (12" - 26" XL) and can be supplemented through a diverse range of accessories (see **Point 4**).

8.4 Issue of the document

Instructions for use momo tricycle. - Change status G; issue 09.2020

8.5 Name and address of the manufacturer, specialist dealer supplying the product

This product was manufactured by:



Schuchmann GmbH & Co. KG

Rudolf-Runge-Str. 3 · 49143 Bissendorf · Germany Phone +49 (0) 5402 / 40 71 00 · Fax +49 (0) 5402 / 40 71 109 info@schuchmann.de · www.schuchmann.de

This product has been delivered by the following specialist dealer:

GA 37 - EN_1.0