

# fridolin 1. & fridolin 2.



## Instructions for use.

**fridolin 1. & fridolin 2.** The functional sub-frames for indoor areas.



**Many thanks.**



### **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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# 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 detailed and thorough 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. Depending on the duration and intensity of solar radiation, the surfaces of individual parts can heat up to over 41°C and thus lead to slight burns in the event of direct skin contact. Therefore 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](http://www.schuchmann.de).



## 2. Product description.

### 2.1 Material information

The sub-frames are made of steel which is non-corroding and powder-coated.

### 2.2 Handling / transport

The sub-frame is not designed to be carried, as it is fitted with castors. Should you have to carry the equipment due to obstacles, ensure that all moving parts are tightened. Then position yourself next to the sub-frame, grip it on both sides under the support head and carry it to the required location. To transport the sub-frame, reduce all adjustments to their most compact size (fold up foot support, set lowest seat height etc.).



**Tighten all moving parts prior to carrying!**

### 2.3 Application areas, use according to the intended purpose

The **fridolin 1.** and **fridolin 2.** indoor sub-frames are medical products of risk class 1 and are suited exclusively for indoors use. The sub-frames are designed as substructure to accommodate seating systems and seat pans. Any other use or use over and above this purpose shall be considered not in accordance with the intended purpose.

#### 2.3.1 Indication

The indication for the sub-frames **fridolin 1. & fridolin 2.** derives from those of the seating systems and seat pans.

#### 2.3.2 Contraindications

In general, the indication for a seat pan sub-frame in combination with a seating system or a seating pan should be accompanied by a medical-orthopaedic specialist. It should therefore be clarified prior to procurement whether contraindications exist for the patient. In general, any type of pain represents a contraindication.

## 2. Product description.



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

- Make sure that the sub-frame in combination with a seat pan is only used by one user.
- Never leave the user unattended.
- Do not use sub-frame in combination with a seat pan for the transportation of a person.
- Correct usage of the sub-frame requires precise and careful training of the accompanying person.
- The max. load (see **Point 5**) may not be exceeded.
- Do not use the respective sub-frame if it has defective, worn or missing parts.
- Only use accessories and spare parts made by Schuchmann, otherwise you will endanger the user.
- Only use the sub-frame if all components have been correctly mounted and adjusted.
- Please read out the Instructions for use for users suffering from a visual or reading impairment, so that they can use the sub-frame safely.

### 2.5 Basic model equipment

- Tilt adjustment of the seat unit via gas pressure spring 500N
- Mechanical height adjustment (for **fridolin 1.**)
- Height adjustment by means of gas pressure spring (for **fridolin 2.**)
- 4 castors (75 mm), 2 with locking devices
- Incl. support head for trapezoidal and external adapter and foot bench plug-in mechanism

### 2.6 List of accessories

- Push bar / handle
- Release lever on the push bar / handle
- Release lever – with fixing plate for assembly on back of pan
- Wheel base extension
- Tube adapter
- Central locking brake on the rear castors
- Trapezoidal adapter (lower and upper part)
- Support head for standard adapter
- Foot support



## 2. Product description.

### 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.

#### fridolin 1.

##### Support head

##### Hand trigger for seat angle adjustment

##### Uprights

##### Castors



#### fridolin 2.

##### Trapezoidal adapter

##### Hand trigger for seat angle adjustment

##### Foot pedal for height adjustment

##### Central column

##### Castors



## 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. All adjustments can be made with standard tools (e.g. Allen key, screwdriver or spanner).

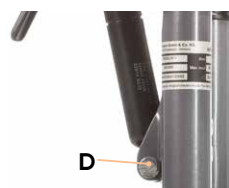
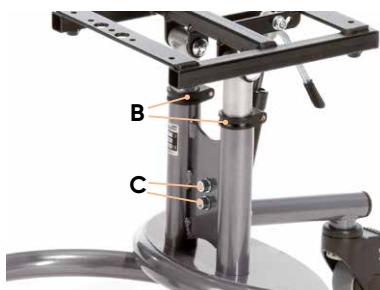
### 3.1 Locking / unlocking the castors

The sub-frame should always be prevented from rolling away inadvertently by locking the two rear castors (**A**).



### 3.2 Seat height

**fridolin 1.:** To adjust the seat height, undo the screws of the clamps (**B**) on the uprights and put the seat pan into the desired position. The height of the gas pressure spring must then be adjusted. To this end, undo the two screws (**C**) in the centre between the two uprights and adjust the gas pressure spring to the required height. Firmly tighten all screws again. If the seat height is adjusted in height over 5 cm, the mounting plate for the gas pressure spring must be turned. To this end, remove and install the screws (**C**) in the centre between the two uprights and the screw connection for the gas pressure spring (**D**). Firmly tighten all screws.



## 3. Settings.

**fridolin 2.:** The sub-frame can be lowered to low table heights using the height adjustment by means of a gas pressure spring. To this end, the foot pedal (A) on the right-hand side of the base frame is operated (in driving direction) and the seat pan slides down.

If required, assist the movement by applying slight pressure from above. To move the seat pan upwards, press the foot pedal again and assist movement through application of slight pressure upwards if necessary. The foot pedal can be secured against inadvertent operation with a lock located on the inside of the foot pedal. To this end, pull on the knurled knob (B), turn it to the right as far as it will go and then release it again. Now the foot pedal is secured against inadvertent operation. The locking mechanism is released by pulling on the knurled knob (B) and turning it to the right.



**For safety reasons, the adjustment may only take place when no-one is on the product!**

### 3.3 Seat angle adjustment

In order to adjust the angle of the seat unit, the hand trigger (C) at the rear below the seat pan holder must be actuated (by pulling it). To do this, the rear part of the lever must be pressed into the plug lock. This deactivates the child lock. The seat unit can now be adjusted in an active or passive position. The release lever (D) for the seat angle adjustment can also be mounted on the push bar / handle or on the back of the seat pan if used later.



**When adjusting the seat angle, always secure the seat pan with one hand!**



## 3. Settings.

### 3.4 Adaptation of seat pans

**fridolin 1. & fridolin 2.** are prepared to accommodate a seat unit / seat pan. The seat adapter represents the connection point.

#### Seat pan adapter, trapezoidal shape:

Place the seat pan with the trapezoidal shaped mounted adapter piece on the trapezoidal shaped seat pan adapter plate and push back. Here the patented closure engages automatically. Now tighten the knurled knob **(B)** of the patented closure. When removing the seat pan, first untwist the knurled knob **(B)**, and then pull it down to release the connection between the adapter and the seat pan support. The pan can now be pulled away to the front.



**Ensure that the patented closure is correctly engaged and that the knurled knob is firmly tightened so that it can no longer be pulled!**

## 3. Settings.

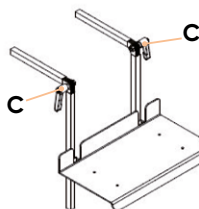
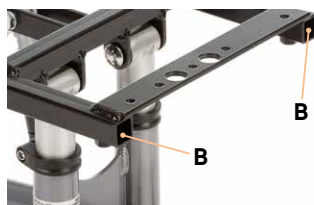
### 3.5 Central locking brake

The new locking brake provides secure protection against rolling away, and can be operated personally by the user. To this end, the lever (A) of the locking brake must be pulled upwards. When the brake is released, it points downwards. The brake is tightened if the lever (A) is pointing upwards.



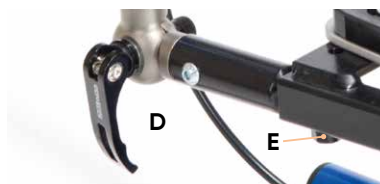
### 3.6 Foot support

For **fridolin 1. & fridolin 2.** there are different foot support variants that are mounted at the support head (B) and after the depth has been adjusted, the knee angle can be adjusted using the two clamping levers (C).



### 3.7 Push bar handling

The push bar makes it easier to relocate the room frame, and can be adjusted in depth and angle. The angle is adjusted by releasing the quick-release clamp (D) on both sides. Then bring the push bar into the correct position and tighten the quick-release clamps (D) again. The depth is adjusted by loosening the grub screws (E) on the right and left-hand side below the adapter. The release lever (F) for the seat angle adjustment can also be mounted on the push bar / handle or on the back of the seat pan if used later.



## 3. Settings.

### 3.8 Handling push handle

The push handle makes it easier to relocate the room frame, and can be adjusted in height and angle. The angle can be adjusted by releasing the levers (A). Adjust the required angle position and tighten the levers again. The height adjustment is done via the levers (B). Release them, to adjust the correct position and then tighten the lever firmly again.



**Only use the push handle to push the sub-frame! Do not hang objects onto the push handle! Increased risk of tipping!**

### 3.9 Wheel base extension

The wheel base extension is used to keep the product steady, in particular with larger seat pans and seat angles tilted far to the rear. The wheel base extension (10 cm) is fixed, and cannot be adjusted.



**The wheel base extension is fixed and cannot be adjusted!**

## 4. Cleaning and maintaining.

### 4.1 Cleaning and disinfecting

#### 4.1.1 Cleaning

Please clean all frame elements regularly with a sponge or damp cloth; making sure that water droplets are removed. Please clean with a mild household detergent for severer dirt. Thorough drying of the cleaned areas is important.

All fabrics that cannot be removed can be wiped with a moist cloth. For all removable fabrics please pay attention to the sewn-in care labels (such as **A + B**) on the respective element.

Please also pay attention to our general cleaning and hygiene advice. This can be found at **[www.schuchmann.de/mediathek](http://www.schuchmann.de/mediathek)**.



#### 4.1.2 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.

### 4.2 Servicing

Please carry out a visual inspection on a daily basis and regularly check the product 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 7.5**).

### 4.3 Maintenance

For reasons of user safety and to retain product liability, the product must be subjected to maintenance by a specialist dealer at least once a year (see **Point 7.5**). The maintenance work carried out must be documented in the maintenance plan (see **Point 4.3.2**).

## 4. Cleaning and maintaining.

### 4.3.1 Maintenance specifications

- Basic cleaning according to the manufacturer's specifications
- Disinfect according to the manufacturer's specifications as required
- Damages to the frame, mounting parts and accessories (cracks, breaks, corrosion, bent or missing parts)
- Strength of the connections (tighten loose screws, replace missing screws)
- Functionality of the adjustment elements (screws, release lever, latching elements, foot pedal)
- Functionality of other adjustment elements (push bar and footrests)
- Functionality of the gas pressure springs (if necessary readjustment of the bowden cables)
- Functionality of the safety elements (anti-tilt)
- Functionality of brakes
- Functionality of the rollers (concentricity, smooth running)
- Legibility of the type label
- Final complete functional check of the aid
- Check that all mounting parts and associated accessories are correctly fastened

### 4.3.2 Maintenance plan

Maintenance specifications of the manufacturer (see **Point 4.3.1**) were carried out:

| Date | Company | Name | signature |
|------|---------|------|-----------|
|      |         |      |           |
|      |         |      |           |
|      |         |      |           |
|      |         |      |           |
|      |         |      |           |
|      |         |      |           |
|      |         |      |           |



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



## 4. Cleaning and maintaining.

### 4.4 Spare parts

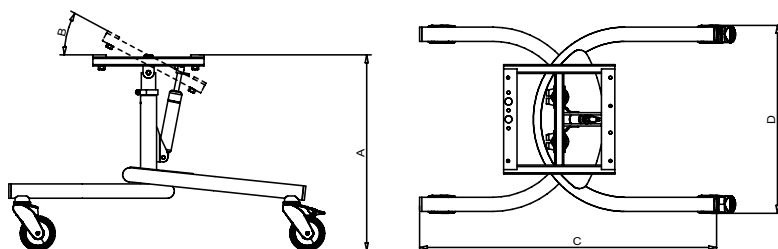
Only use original accessories and original spare parts from the manufacturer, otherwise you will endanger the user and the warranty becomes void. To order spare parts, please contact the supplying specialist dealer (see **Point 10.5**). Necessary spare parts and accessories must only be installed by trained personnel.

### 4.5 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 seat pan sub-frame is suitable for re-use. Prior to forwarding on, please follow the cleaning instructions in **point 4.1**. Accompanying documents such as these Instructions for use are part of the product and must be passed on to the new user. No disassembly is required prior to re-use.

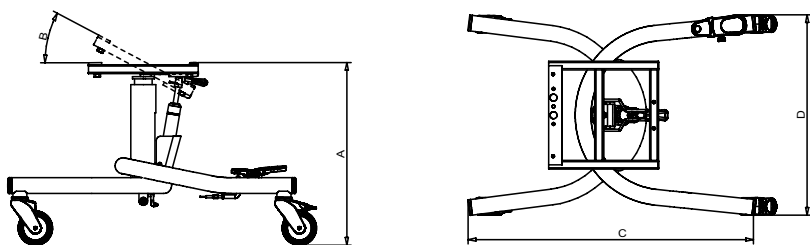
## 5. Technical data.

### 5.1 Dimensions fridolin 1.



|          |                            | Size 1       | Size 2       |
|----------|----------------------------|--------------|--------------|
| <b>A</b> | Height of seat pan support | 41 – 53 cm   | 41 – 53 cm   |
| <b>B</b> | Seat angle                 | (-) 5° – 35° | (-) 5° – 35° |
| <b>C</b> | Total length               | 66 cm        | 77 cm        |
| <b>D</b> | Total width                | 43 cm        | 51 cm        |
|          | max. load                  | 50 kg        | 50 kg        |
|          | Weight                     | 7 kg         | 8 kg         |

### 5.2 Dimensions fridolin 2.



|          |                                                          | Size 1       | Size 2       |
|----------|----------------------------------------------------------|--------------|--------------|
| <b>A</b> | Height of seat pan support                               | 41 – 53 cm   | 41 – 53 cm   |
| <b>B</b> | Seat angle                                               | (-) 5° – 35° | (-) 5° – 35° |
| <b>C</b> | Total length                                             | 66 cm        | 77 cm        |
| <b>D</b> | Total width                                              | 45 cm        | 53 cm        |
|          | Thickness of the gas pressure spring for tilt adjustment | 250 N        | 350 N        |
|          | max. load                                                | 50 kg        | 50 kg        |
|          | Weight                                                   | 7 kg         | 8 kg         |

## 6. 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.

## 7. Identification.

### 7.1 EU Declaration of Conformity



#### EU Konformitätserklärung EU Declaration of Conformity



Firma / Company Schuchmann GmbH & Co. KG  
Rudolf-Runge-Str. 3 · 49143 Bissendorf · Deutschland / Germany  
Tel. +49 (0) 5402 / 40 71 00 · Fax +49 (0) 5402 / 40 71 109

erklärt in alleiniger Verantwortung, dass das nachfolgend genannte Produkt der Risikoklasse 1  
*declares under our sole responsibility that the following product(s) of Class 1 Medical Devices*

**„fridolin.“** Fahrgestell für den Innenbereich / *chassis for indoor use*

Art.-Nr. / Item-No.: 22 01 001, 22 02 000, 26 01 000, 26 02 000

Basis UDI-DI / Basic UDI-DI: 4251040200004000220XXX8N

den einschlägigen Bestimmungen der im folgenden aufgeführten Richtlinien und Standards entspricht:  
*is / are in conformity with the requirements of the below listed directives and standards:*

Verordnung (EU) 2017/745 über Medizinprodukte vom 05. April 2017  
*Regulation (EU) 2017/745 on medical devices of 5 April 2017*

DIN EN 12182:2012 Technische Hilfen für behinderte Menschen  
*Technical aids for disabled persons*

DIN EN ISO 14971:2013 Medizinprodukte – Anwendung des Risikomanagements auf Medizinprodukte  
*Medical devices – Application of risk management to medical devices*

Diese Konformitätserklärung gilt nur für Produkte mit den oben genannten Artikelnummern und  
ist gültig bis zum 31.12.2023.

*This declaration of conformity applies only for products with above-named Item-numbers  
and is valid until 31.12.2023.*

Datum / Date: 01.04.2020

Unterschrift / Sign:

Name / Name: Torsten Schuchmann

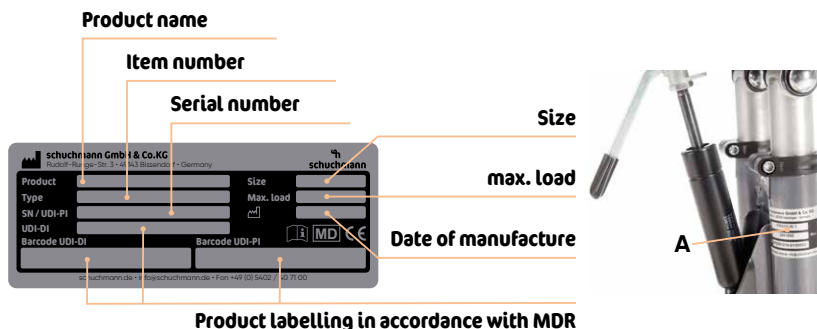
Funktion / Function: Sicherheitsbeauftragter für Medizinprodukte / *Safety officer for medical devices*



## 7. Identification.

### 7.2 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

### 7.3 Product version

The **fridolin 1.** & **fridolin 2.** sub-frames are each available in two sizes and can be complemented by various accessories.

### 7.4 Issue of the document

Instructions for use **fridolin 1.** & **fridolin 2.** – Change state E; issue 03.2021

### 7.5 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: