



## GB/US . . . Free-standing room-covering rail system, adjustable

User manual – vers. 101.00

MD CE

Guldmann™

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## Free-standing room-covering rail system, adjustable

### Item no:

554729

557968

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**1.00 Purpose and use**

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**1.01 Manufacturer**

V. Guldmann A/S  
Graham Bells Vej 21-23A  
DK-8200 Aarhus N  
Tel. + 45 8741 3100

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**1.02 Intended Purpose**

Free-standing systems is intended to support ceiling hoist in a movable systems that is not suspended from a building or structure.

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**1.03 Area of use**

The rail system is suitable for use in nursing homes, rehabilitation centers, institutions and private homes..

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**1.04 Conditions of use**

The free-standing roomcovering rail system (hereinafter called rail system) is used together with ceiling hoist.

The free-standing rail system is a portable rail system which can be set up practically anywhere and require no mounting on walls, ceiling or floors.  
The free-standing rail system is length and height adjustable.

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**1.05 Important precautions**

Read the entire user manual prior to setting up and starting to use the free-standing rail system.

- The rail system can be set up and taken down by one person only, but the assembly would be easier with the assistance of one more person.
- The maximum load of 255 kg/560 lbs must not be exceeded.
- In case of damage to the rail system, the operation of it should be discontinued immediately.
- The rail system should be set up on a level surface.
- The rail system must not be used for any other purpose than that stated in this user manual; that is, neither as a playground or a swing device.
- The end stops have to be properly installed with spring pin and properly tightened.
- The lock nuts on the top corner brackets have to be properly tightened before the system must be used.



- Any serious incident that occurred in relation to this device should be reported to the manufacturer and the local competent authority.

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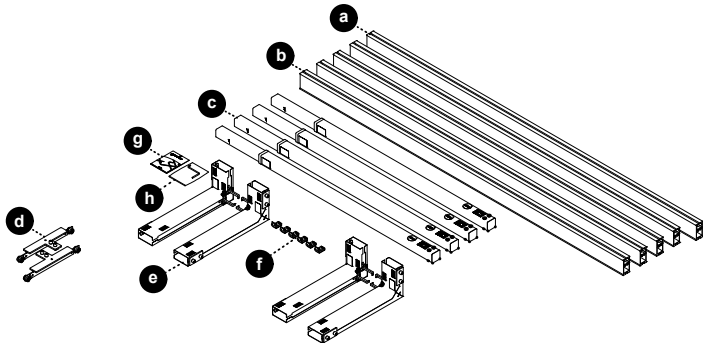
## 1.06 Hoists made by other manufacturers

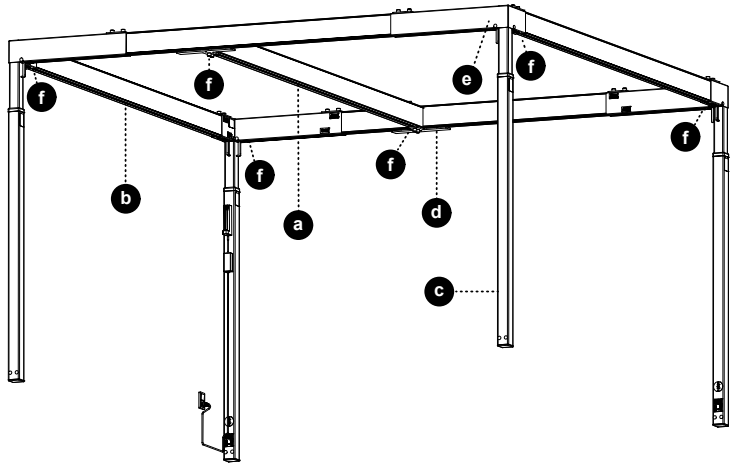
Guldmann is not liable for defects or accidents caused by the application of hoists/lifting modules made by other manufacturers.

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## 2.00 Definitions

- a. Traverse rail (1 pcs.)
- b. Side rail (4 pcs.)
- c. Vertical pole module (4 pcs.)
- d. Traverse trolley (2 pcs.)
- e. Top corner bracket (4 pcs.)
- f. End stops (6 pcs.)
- g. User manual
- h. 5 mm Allen key





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## 2.01 Unpacking

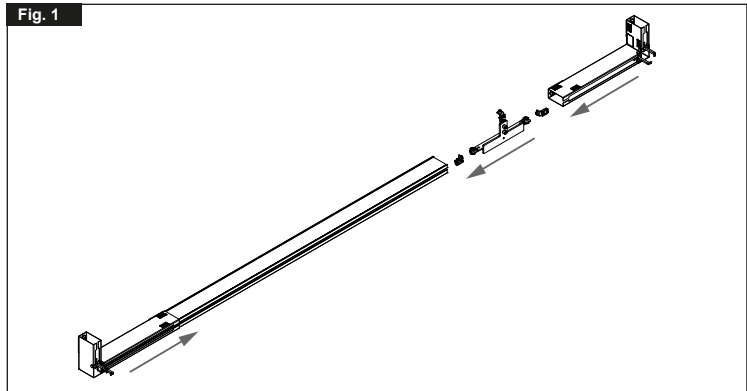
### Inspection before unpacking

If the packaging is damaged upon receipt, the components rail system should be carefully checked for noticeable imperfections, defects or flaws.

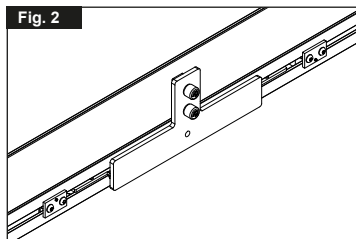
If damage is suspected, the rail system should not be assembled or taken into use until the system has been approved by qualified service staff or the Goldmann Service Team.

**Notice:** The system may only be setup by qualified personnel.

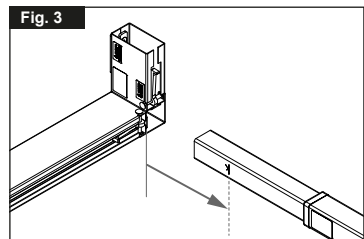
Before starting the assembly, make an assessment of the location and orientation of the system, the traverse rail will always have to be parallel to the side rails that are not adjustable.



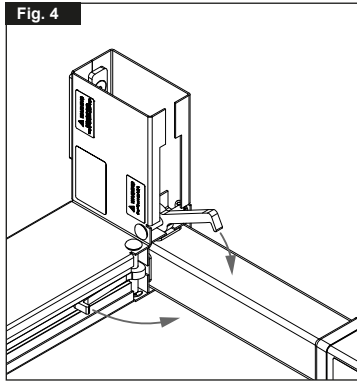
Start by assembling two of the side rails (b), put in the end-stops (f) and the traverse trolley (d), then the corner brackets (e) two and two on each, with the adjustable side in the rail.



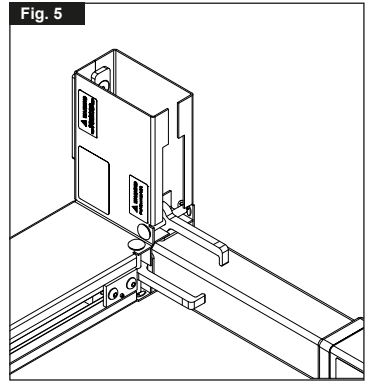
Traverse trolleys (d) can be temporarily kept in place by end stops (f).



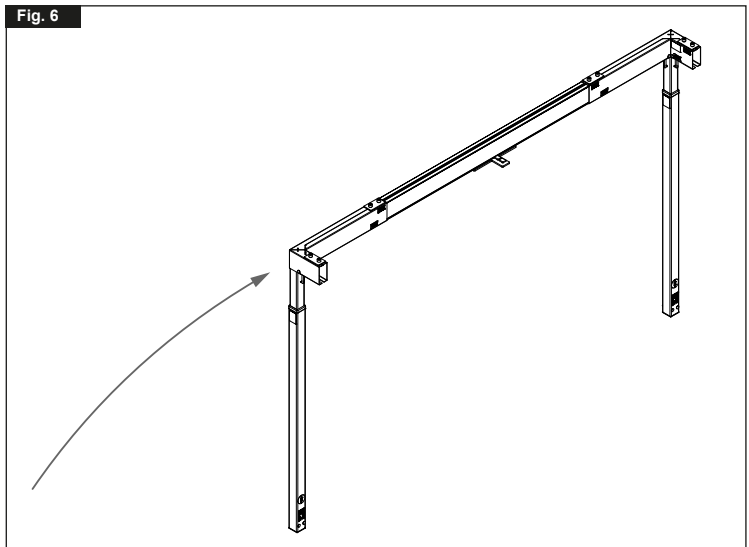
Insert the vertical poles (c). It is important to orient the vertical poles in a way that ensures access to the height adjustment socket. The top bracket must be flush with the mark on the vertical pole.



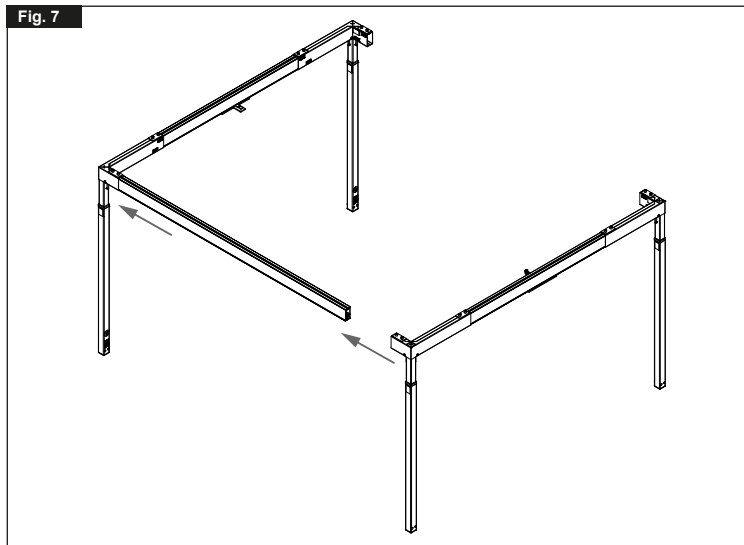
Lock the top bracket (e) to the vertical pole (c) by pressing the locking arms down until they touch the vertical pole.



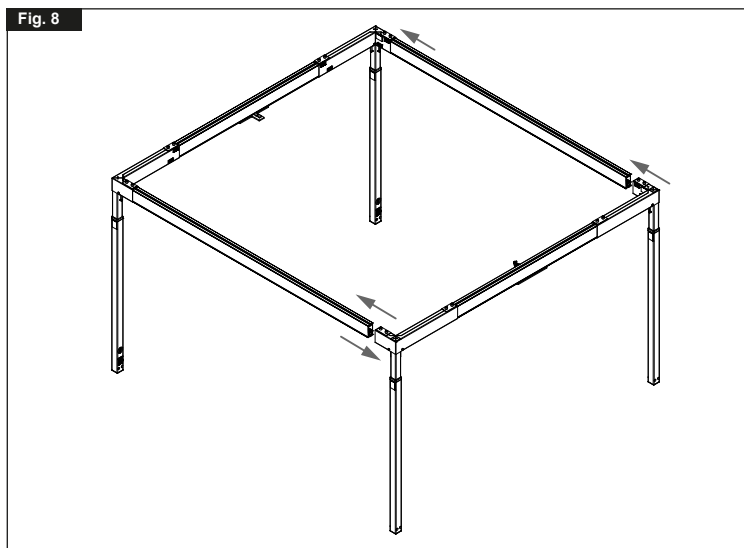
Locked position.



Raise the top bracket and rail module to rest on the two first vertical poles (c).

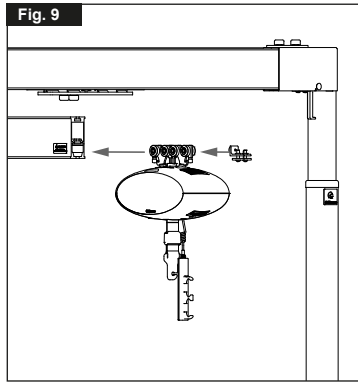


Insert the first rail (b), rails must be pushed all the way into the top corner bracket (e).  
Connect the other preassembled side section, enabling the system to sustain balance in its own.

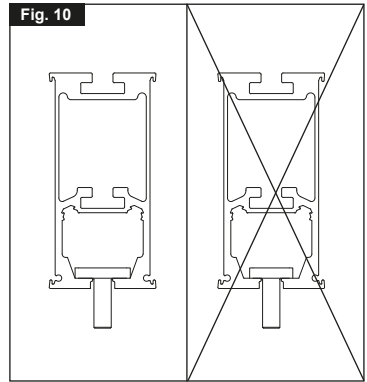


Insert the second rail, by pulling the last side section apart from the first rail.

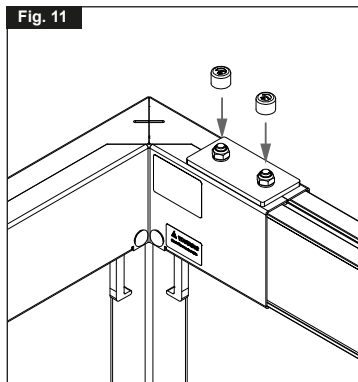




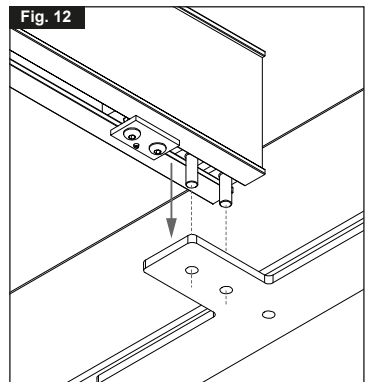
Insert the Guldmann hoist in the traverse rail (a) followed by an end stop (f) on each side, with end stop (f) bumper facing the hoist trolley. The hoist can be temporarily kept in place by end stops (f).



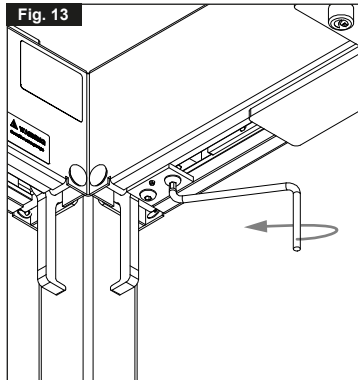
Insert the clamp plates from the traverse trolleys in the traverse rail, 2 clamp plates in each end. Fit the rectangular clamp plates with the long side in the width of the rail.



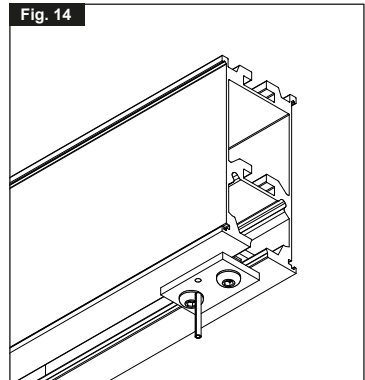
Lock the rail (b) to the Top corner bracket (e) with the two locking nuts. fit the nut caps.



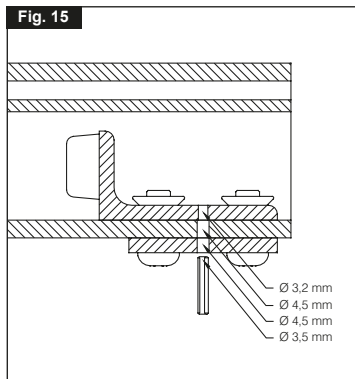
Lift the traverse rail on top of the traverse trolleys, fit washers and tighten locking nuts.



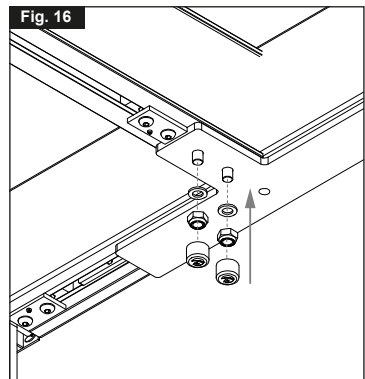
Tighten the end stop (f).



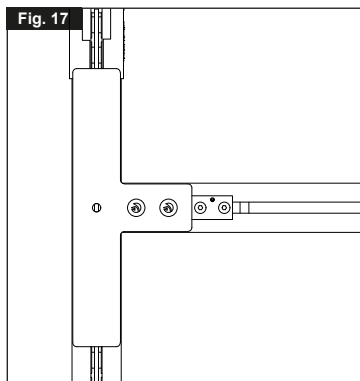
To secure the position of the end stop - hammer the accompanying spring pin into the end stop and rail, flush to the metal plate.



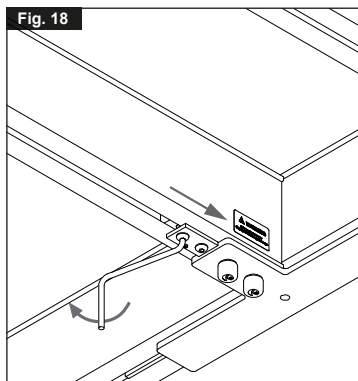
**Notice:** If the rail has been shortened or if there is no predrilled hole for the spring pin. Drill a 4,5 mm hole through the rail – not through the angle bracket of the end stop.



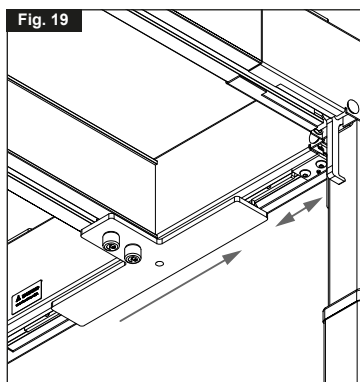
Move traverse rail (a) up against the two tightened end stops (f) to adjust the traverse rail to the end stops. The rail (a) must be centered in the system, adjusted with equal amount of clearance on each side to the square rail frame. Adjustment is done by eye.



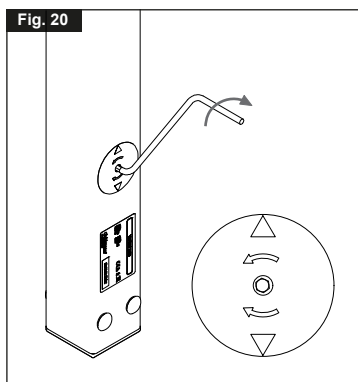
Traverse trolleys must be parallel and centered in the side rail (b). When the adjustment is satisfactory, tighten the locking nuts and put on the protective cap.



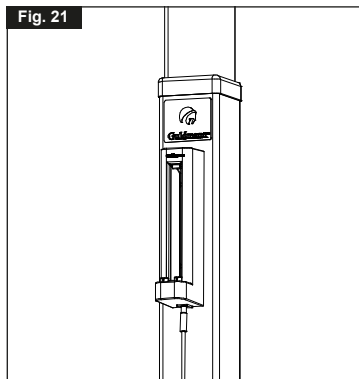
Tighten the end stop (f) against the traverse trolley (d).



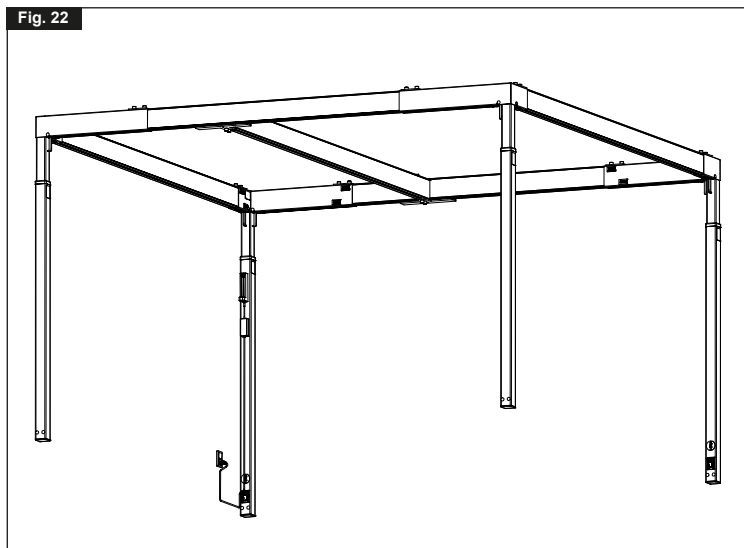
Move the traverse rail (a) to the opposite side against end stops (f) to adjust the end stops to the traverse rail. Adjust the end stop if there is any gap between trolley (d) and end stop (f). Traverse rail (a) must connect with both end stops (f) at the same time.



Adjust the height by inserting the enclosed 5 mm Allen key (h) in the height adjustment socket at the side of the vertical poles (c) by turning clockwise to raise or counter clockwise to lower the vertical poles. Make sure that top bracket (e) and rail module (a & b) is level. The height adjustment socket must be turned two full rotations to height adjust 1 cm.



Fix the recharging dock on the vertical pole (c) just below the Guldmann logo with the enclosed Velcro.



The rail system is now ready for use.

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## 4.00 Description of functions

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### 4.01 Operation

The rail system is a portable system that, once installed, does not require any further operation.

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### 4.02 Height adjustment

Set up the system (see 3.00).

Insert the accompanying 5 mm Allen key or a power drill with 5 mm bit in the height adjustment socket at the side of the vertical pole.

Adjust each pole to the required height and afterwards adjust the system until the top bracket and rail module are level.

**Note:**

***If a power drill is used, start in low gear and do not adjust the vertical pole to maximum or minimum height.***

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### 4.03 Length adjustment

Set up the system (see 3.00).

Loosen the locking nuts using a 17 mm. wrench.

Adjust the length and tighten the locking nuts again and put on the nut caps.

Check that the end-stop is still correctly adjusted, or readjust the endstops (see 3.00)

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### 4.04 Demounting the system

Lower the system to the lowest position.

Demount the rail system in the reverse order of assembling it.  
(see 3.00).

It may be necessary to push the top bracket upwards in order to separate it from the vertical pole module.

**Important:**

Before taking down the rail system, the hoist must be taken out or secured by means of the end stops.

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### 4.05 Transporting the system

*As a minimum, the rail system should be taken apart so that the vertical pole modules are separated from the top brackets and rail (see 3.00).*

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**5.00****Maintenance and storage**

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**5.01****Cleaning and disinfection**

We recommend that the products and the parts patients and caregivers can come in contact with, are cleaned with a damp cloth using warm water and a mild soap solution.

When disinfection is needed, use disinfectant wipes with up to a 85% solution of isopropyl, or a damp cloth using warm water and a disinfectant cleaner, e.g. an chlorine dissolving up to 1500 ppm.

If other chemicals and/or liquids with higher resolution should be used to clean or disinfect these products, please contact Guldmann providing the item's safety sheet chemical composition for consideration.

**Caution:** Take great care to ensure that no liquids get inside the lift. The lift is not waterproof. Failure to protect the lift from liquids may result in damage to the lift and/or may cause personal injury.

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**5.02****Storage**

The rail system should be stored in a room where the humidity does not exceed 70%. The rail system must not be stored in bathrooms or the like.

**Key to symbols on the rail system packaging:**

The rail system should be stored at:

- Temperatures between -10 and +40°C / 14 and 104°F
- A relative air humidity of between 30 and 70 %
- An air pressure of between 700 and 1060 hPa
- This side up

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**5.03****Maintenance**

Check regularly that the system is stable.

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## 6.00 Troubleshooting

### 1. The system is not stable

- Check that the vertical poles have been pushed securely into the top brackets
- Check that the top corner brackets are tightened
- Check that the top corner brackets have been positioned correctly
- Check the top corner brackets for defects or deformities?
- Check that the yellow thumb screws are tightened

### 2. The vertical height adjustment is not working

Check carefully with a 5 mm Allen key that the system is not stuck in the far end position.

If the top part of the vertical pole is not moving when turning the 5 mm Allen key, stop using the system and contact the distributor or the manufacturer.

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## 7.00 Service and lifetime

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### 7.01 Lifetime

The rail system, has an expected lifetime of 15 years, on the condition of proper maintenance (see 5.00).

Spare parts drawings can be obtained from the manufacturer or supplier.

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### 7.02 Safety/service inspections

In accordance with international standard EN/ISO 10535 “Hoist for the transfer of disabled persons – Requirements and test methods” an inspection should be performed on the hoist at least once a year.

Guldmann recommends that regular safety/service inspection is performed at least once a year with regard to the pattern of usage.

Inspection of the rail system must be performed by a qualified service technician or the Guldmann Service Team.

In connection with the purchase of the rail system, Guldmann or your supplier may offer a service agreement for this inspection.

During the safety/service inspection a report must be prepared on what was checked and replaced. Parts that are worn or defective must be replaced with new parts from Guldmann. Spare parts drawings and documentation can be obtained from the manufacturer or supplier.

**Documentation/checklist regarding safety/service inspection can be obtained from the manufacturer or supplier.**



CE marking



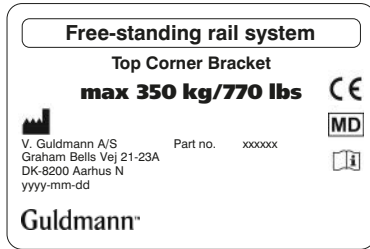
Medical Device Class I in accordance with EU MDR Regulation



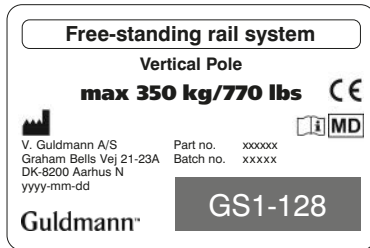
Read the manual before use

**Examples of labels**

Top corner bracket



Vertical pole





**Free-standing room covering rail system**

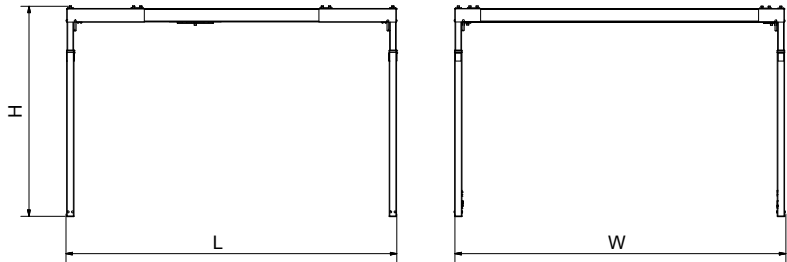
Item no. 554729 - dimension HxWxL . . . 2040-2840 x 3200 x 3200-4200 mm  
 Item no. 557968 - dimension HxWxL . . . 2040-2840 x 4200 x 4200-5200 mm  
 Maximum lifting capacity . . . . . 255 kg/560 lbs

**Total weight without hoist**

3 x 3 m . . . . . 160 kg  
 4 x 4 m . . . . . 187 kg  
 Vertical pole, each . . . . . 11 kg  
 Top bracket, each . . . . . 7 kg  
 Rail 3 m, each . . . . . 16,4 kg  
 Rail 4 m, each . . . . . 21,8 kg  
 Traverse rail 3 m incl. trolleys . . . . . 22,2 kg  
 Traverse rail 4 m incl. trolleys . . . . . 27,6 kg

**Materials**

Rails and vertical poles . . . . . Anodized aluminum  
 Brackets . . . . . Powder varnished steel



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**10.00 EU-Declaration of conformity**

The product is manufactured in compliance with regulation (EU) 2017/745 of the European parliament and of the Council of 5 April 2017, as medical device Class I.

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**11.00 Environmental policy statement - V. Guldmann A/S**

Guldmann is continuously working towards ensuring that the company's impact on the environment, locally and globally, is reduced to a minimum.

It is Guldmann's goal to:

- Comply with the current environmental legislation (e.g. WEEE and REACH directives)
- Ensure that we, at the widest possible range, use RoHS compliant materials and components
- Ensure that our products do not have an unnecessary negative impact on the environment regarding use, recirculation or disposal
- Ensure that our products contribute to a positive working environment in the places they are utilised

Inspections are made annually by the Department for Nature and Environment from the Municipality of Aarhus using the Danish Environmental Protection Act, section 42 as a reference.

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**12.00 Warranty and service conditions**

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**A. Warranty**

Guldmann warrants its equipment is free from material defects under normal use, and will perform substantially in accordance with the specifications set forth in documentation provided with the equipment.

This express warranty shall be in effect for one year from the date of original purchase and installation (the "Warranty Period"). If a valid claim is made during the Warranty Period for malfunction or equipment defect, Guldmann will repair or replace the equipment at no additional cost to you. Guldmann retains sole discretion as to whether the equipment will be repaired or replaced.

The warranty does not cover any part of the equipment that has been subject to damage or abuse by the user or others. The warranty does not cover any part of the equipment that has been altered or changed in any way by the user or others. Guldmann does not warrant that the lifting device functions will meet your requirements, be uninterrupted or error free.

The warranty set forth is in lieu of all other express and implied warranties, whether oral, written or implied, and the remedies set forth above are your sole and exclusive remedies. Only an authorized officer of Guldmann may make modifications to this warranty, or additional warranties binding on Guldmann. Accordingly, additional statements such as advertising or presentations, whether oral or written, do not constitute warranties by Guldmann.

This warranty shall be null and void if the equipment is operated and maintained in any manner inconsistent with its intended use or the instructions provided with the product. Further, in order for the warranty to remain in effect for the full Warranty Period, all service to the equipment must be provided by a Guldmann certified technician. Any parts or components repaired or replaced by a Guldmann certified technician will be guaranteed for the remainder of the Warranty Period.

### **Only for USA**

This warranty shall be null and void if the equipment is operated and maintained in any manner inconsistent with its intended use or the instructions provided with the product. Further, in order for the warranty to remain in effect for the full Warranty Period, all service to the equipment must be provided by a Guldmann Certified Technician. A Guldmann Certified Technician is a technician who has successfully completed Guldmann Service Training, and who holds a valid Service Training Certificate from Guldmann, and is in possession of a valid password to access Guldmann's Service and Information Console (SIC). A Guldmann Service Training Certificate and SIC password are valid for three years (only USA) from the date the technician is first certified. Thereafter, the technician must undergo re-certification training to obtain a new valid certificate and password. Any parts or components repaired or replaced by a Guldmann Certified Technician will be guaranteed for the remainder of the Warranty Period. In the event the warranty is rendered null and void, the purchaser shall indemnify and hold Guldmann harmless of and from any and all claims or liability arising as a result of equipment malfunction or misuse.

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## **B.**

### **Service or Repair**

Contact Guldmann Repair for an authorization to return any defective item during the Warranty Period. You will be provided with a return authorization number and address for returning the item for warranty service or replacement. Do not return items to Guldmann under warranty without receiving a Return Authorization Number.

If mailing the item, pack it carefully in a sturdy carton to prevent damage. Include your Return Authorization Number, a brief description of the problem and your return address and phone number. Guldmann does not assume the risk of loss or damage while in transit, so it is recommended you insure the package.

| Time to care |

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