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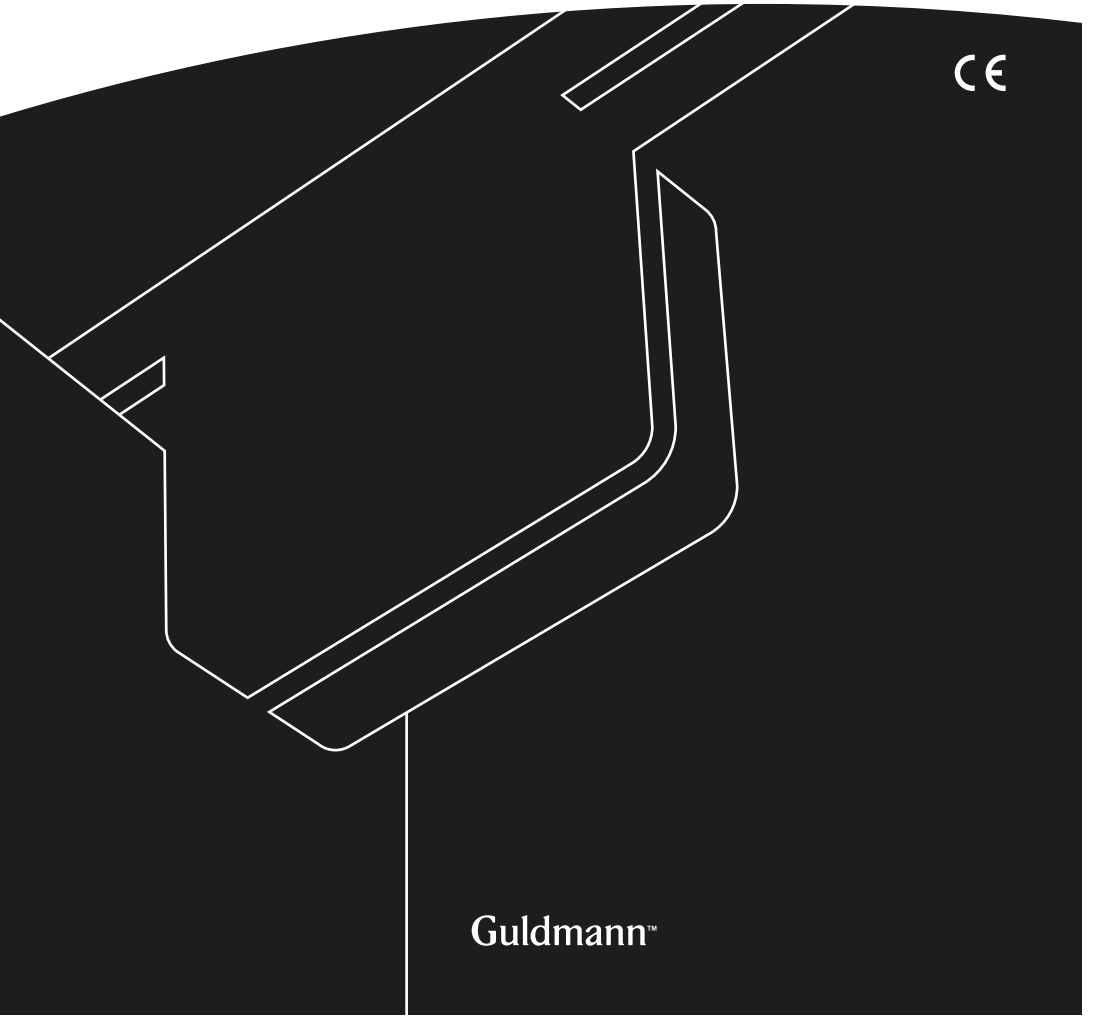
GB/US . . . . . GH Positioning Lock 11

Manual – vers. 2.00



Guldmann™

GH Positionslås

Varenr.
557600

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1.00 GH Positionslås anvendelse

1.01 Producent

V. Guldmann A/S
Graham Bells Vej 21-23A
DK-8200 Aarhus N
Tlf. + 45 8741 3100
Fax + 45 8741 3131
www.guldmann.com

1.02 Tiltænkt anvendelse

GH Positionslås bruges, når et traversskinnesystem ønskes låst i en bestemt position. Det er muligt at låse hejs og traversskinne individuelt eller begge samtidig.

GH Positionslås er mekanisk og betjenes via en IR fjernbetjening. Systemet/hejsen placeres i den ønskede position, hvorefter et tryk på IR fjernbetjeningen vil låse systemet/hejsen. For at låse systemet op igen trykkes endnu engang på IR fjernbetjeningen, se afsnit 2.00.

1.03 Forudsætninger

Hvor GH Positionslås anvendes, er det en forudsætning at:

- GH Positionslås er kun beregnet til montage med GH3 lofthejs i A-, B- eller C-skinner.
- GH Positionslåsen anvendes af uddannet personale.
- Der må ikke foretages løft af patienter med hejsen når en eller flere bremser er aktiveret.
- Det er vigtigt at låsen altid er frakoblet inden løft af patienter (brugeren)
- GH Positionslås kan ikke benyttes med følgende Guldmann produkter:
  GH Combi-lås, GH Skiftespor, GH Skinnebuer GH Drejeskive, GH køremotor til traversskinne eller hejs med køremotor.
  Når positionslåsen er aktiveret bør hejsen maksimalt belastes med 20 kg.
  Hejsen bør aldrig belastes, hvis løftestroppen er vinklet mere end 45 graders fra lodret/vertikal.

1.04 Montering af GH Positionslås i et eksisterende hejs/skinnesystem

GH Positionslåsen er udstyr i klasse I og skal monteres af Guldmann Service Team eller af en certificeret montør.

Udstyret afbrydes fra strømforsyningen ved at afbryde hovedafbryderen.
GH Positionslåsen er forsynet med batterier, der kræver regelmæssig opladning. Strømforsyningen til opladningen samt transformeren skal tilsluttes af Guldmann Service Team eller en certificeret montør.

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GH Positionslåsen oplades automatisk i den ene parallelskinne. Det sikrer at GH Positionslåsen altid fungerer, og er klar til brug samt at batterierne holder længere.

Transformerne skal tilsluttes og tændes, før opladningen kan finde sted. En grøn indikatorlampe på transformeren indikere, at den er tilsluttet og tændt. Den medfølgende transformer skal altid anvendes.

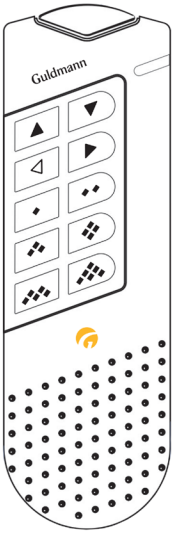
Sikkerhed omkring statisk elektricitet (ESD)
Når der arbejdes med elektronik-komponenter skal serviceteknikkere og montører anvende en ESD-sikkerhedspakke, der består af en måtte, jordforbindelses kabel og et armbånd.

Serviceteknikeren forbinder måtten til et jordforbundet punkt. Derefter tages armbånd på, og det forbindes til måtten. Hvis det ikke er muligt at finde et jordforbundet punkt, skal måtte og armbånd som minimum anvendes. Først herefter er det tilladt at arbejde med printplade eller komponenter, hvor der er mulighed for at komme i kontakt med printpladen.

2.00 Beskrivelse af funktioner

2.01 IR fjernebetjening

Positionslåsen betjenes via IR fjernbetjening. Der trykkes en enkelt gang på knappen for at aktivere den ønskede funktion.



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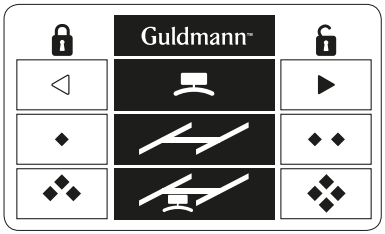
Følgende funktioner kan aktiveres ved brug af IR fjernbetjening for GH Positionslås:

Tast		Funktion	Bevægelighed
▲		Løftestrop op *(Hvis IR er installeret i hejs)*	
▼		Løftestrop ned *(Hvis IR er installeret i hejs)*	
◁		Lås hejs	Kun bevægelighed for traversskinne
▶		Lås hejs op	
◆		Lås traversskinne	Kun bevægelighed for hejs
◆ ◆		Lås traversskinne op	
◆◆ ◆		Lås traversskinne og hejs	Ingen bevægelighed
◆◆ ◆		Lås traversskinne og hejs op	
◆◆◆		Ikke tildelt	
◆◆◆		Ikke tildelt	

Label
Knappernes funktion er ligeledes forklaret på vedlagte label (557599).
Denne kan placeres efter ønske som guide ved daglig brug.
symbolerne henviser til tabellen ovenover.



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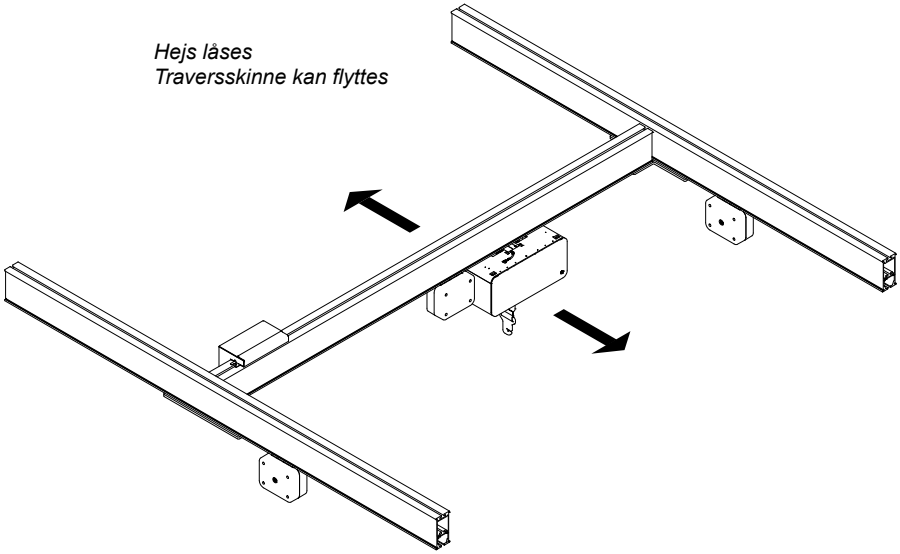
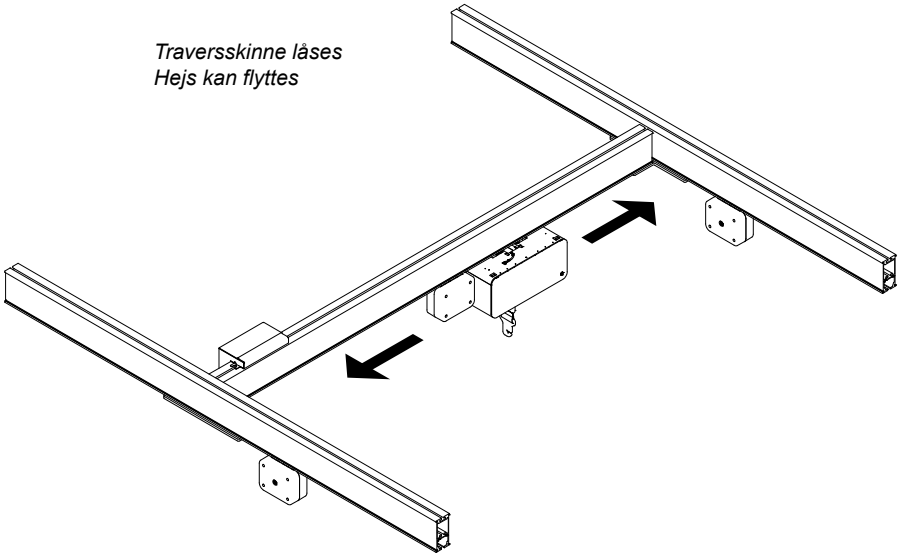
Lås hejs

Hejs låses
Traversskinne kan flyttes



Lås traversskinne

Traversskinne låses
Hejs kan flyttes



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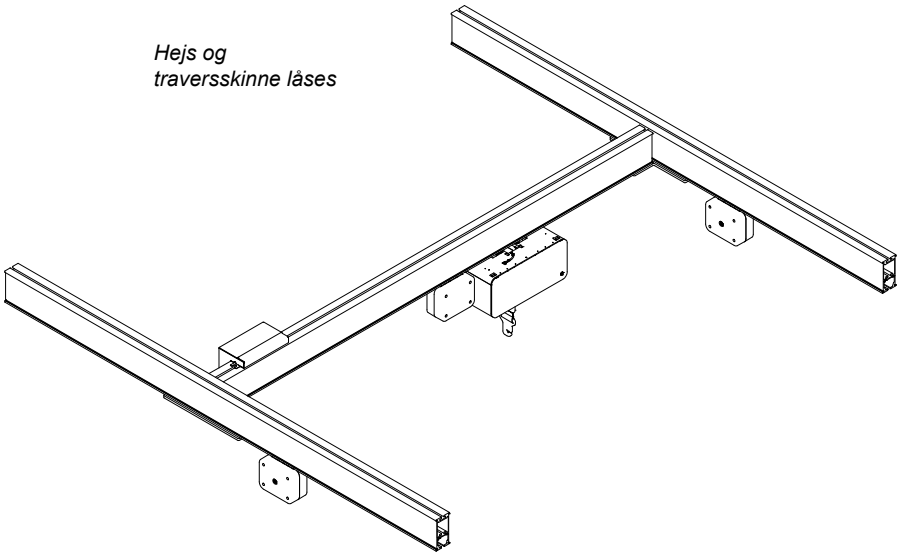
Lås hejs og traversskinne



Hejs og traversskinne låses

3.00 Transport og opbevaring

Guldmann anbefaler, at produkterne altid transporteres og opbevares i original emballage.

Forklaring af symboler på emballagen:

Produkterne bør opbevares ved:
– temperaturer mellem -10 og +40° C
– en luftfugtighed mellem 30 og 70 %
– et lufttryk mellem 700 og 1060 hPa
– denne side op

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4.00 Vedligeholdelse og opbevaring

4.01 Rengøring

Vi anbefaler, at produktet og de dele patienter og plejepersonale kan komme i kontakt med, rengøres med Novadan Des Wipes eller Novadan Desinfect O.

Desinfect O: Bredspektret desinfektionsmiddelsystem I tabletform.
Velegnet til desinfektion af udstyr, redskaber og overflader i sundhedssektor.

Novadan Des Wipes: Er en engangs wipe til rensning og desinfektion af alle typer overflader, maskiner og instrumenter indenfor sundhedssektoren.

NB: Der må ikke anvendes stærke syrer, baser eller alkohol til rengøring af produkterne. Anvend ikke autoklavering til rengøring.

Desifect O er effektiv imod:	**Novadan Des Wipes er effektiv imod:**
Mikrobielle- & Virustest	
• Staphylococcus aureus (ATCC 6538) (EN 13697:2001) • Enterococcus hirae (ATCC 10541) (EN 13697:2001) • Escherichia coli (ATCC 10536) (EN 13697:2001) • Pseudomonas aeruginosa (ATCC 15442) (EN 13697:2001) • Candida albicans (ATCC 10231) (EN 13697:2001) • Svinepest -Bovine viral diarrhea virus (BVDV) (EN 14675:2006) • Svine og fugle influenza (Influenza A virus H1N1) (EN 14675:2006)	• Staphylococcus aureus • Escherichia coli • Proteus mirabilis • Pseudomonas aeruginosa • Candida albicans • MRSA • H1N1 • HBV (HIV) • HCV

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Novadan produkt	Beskrivelse	Mikrobielle og Virus test	Anvendelse	Dosering	Hyppighed
Desinfect O	Bredspektret desinfektions-middel-system I tabletform.	Staphylococcus aureus, Enterococcus hirae, Escherichia coli, Pseudomonas aeruginosa, Candida albicans, Svinepest - Bovine viral diarrhea virus (BVDV), Svine og fugle influenza (Influenza A virus H1N1)	Redskaber, apparater (Husk efterskylning)	1 tablet –10 l vand Indvirknings-tid: 5 min.	Dagligt/ periodisk
Novadan Des Wipes	Er en engangs wipe til rensning og desinfektion af alle typer overflader, mask. og instrumenter indenfor sundheds- og levnedsmiddel-sektoren.	Staphylococcus aureus, Escherichia coli, Proteus mirabilis Pseudomonas aeruginosa, Candida albicans, MRSA, H1N1 HBV (HIV), HCV	Galge med indstillelige greb., sengehest, fjernbetjening til senge, sengehestforhøjer, håndtag, polyester line til galge.	Indvirknings-tid: 1 min. Bortset fra H1N1 : 30 min.	Efter hver berøring

4.02 **Opbevaring**

Se 3.00

Ved langvarig opmagasinering afmonter batteristikkene på batteriet/batterierne og stikkene fra batteriet/batterierne på printkortet (PCB).

4.03 **Hvordan forebygges/undgås korrosion?**

Hvis produkterne hovedsageligt anvendes i et agressivt miljø, f.eks. i en svømmehal, skal den specialbestilles med en overfladebehandling for at hindre korrosiondannelse.

4.04 **Daglig vedligeholdelse**

Kontroller at GH Positionslåsen er intakt. Brug ikke GH Positionslåsen, hvis den er beskadiget eller defekt. Kontakt i stedet Guldmann Service Team eller en certificeret teknikker i henhold til Guldmann's forskrifter.

4.05 **Bortskaffelse af GH Positionslås inkl. batterier**

Lokale og nationale regler for miljørigtig genanvendelse skal følges.
Batterier (NiMH) skal altid indleveres til et godkendt indleveringssted for genbrug.

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5.00 Service og levetid

5.01 Levetid

Produkterne har en forventet levetid på 15 år, under forudsætning af at de bruges korrekt, og serviceeftersyn nævnt under punkt 5.02 bliver overholdt.

Udskiftning af komponenter
Udskiftning af batterier, printkort og løftestropper skal foretages af Guldmann Service Team eller en uddannet servicetekniker.

5.02 Sikkerheds-/serviceeftersyn

I henhold til den internationale standard EN/ISO 10535 ”Hoist for the transfer of disabled persons - Requirements and test methods” ***skal*** der udføres et sikkerhedseftersyn på løftemodulet og skinnesystemet mindst 1 gang årligt.
Guldmann anbefaler, at regelmæssige sikkerheds/service eftersyn udføres én gang årligt.

Sikkerheds/service eftersyn af produkterne skal udføres af Guldmann Service Team eller en certificeret servicetekniker.
I forbindelse med købet, kan Guldmann tilbyde en serviceaftale, der omfatter disse eftersyn.

Under sikkerheds-/serviceeftersynet skal der føres rapport over, hvad der kontrolleres og udskiftes. Dele, som er slidte eller defekte, skal udskiftes med originale reservedele fra Guldmann. Reservedelstegninger og dokumentation kan rekvireres hos Guldmann Service Team.

Dokumentation/tjekliste i forbindelse med sikkerheds-/serviceeftersyn kan rekvireres hos Guldmann Service Team.

5.03 Varenumre

Infrarød fjernbetjening
Guldmann varenummer 935034

Batterier
MiMH-batteri 24V/2000mAh, Guldmann varenummer 550574

Transformer
Transformer, Klasse I, Guldmann varenummer 550200

GH Positionslås
Guldmann varenummer 557618

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6.00 Klassifikation

CE-mærker

Type B i overensstemmelse med UL/EN 60601-1

Læs brugsanvisningen inden ibrugtagning

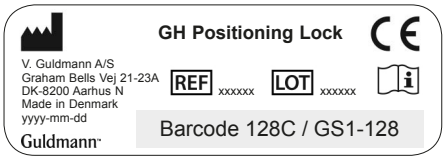
Må ikke bortskaffes som almindeligt husholdningsaffald, men skal bringes til genbrug.

Udstyr i klasse I: Permanent montering med jordforbindelse

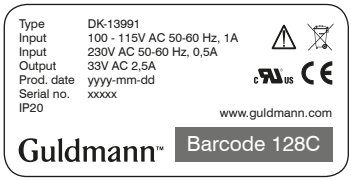
Udstyret egner sig ikke til brug i nærheden af brændbare væsker.

Eksempler på serienummeretiket

GH Positionslås



Transformer klasse 1



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7.00 CE-overensstemmelseserklæring

Produkterne er fremstillet i overensstemmelse med Rådets Direktiv af 14. juni 1993 (93/42/EF), det Medicinske Direktiv – med senere ændringer, som medicinsk udstyr klasse 1.

8.00 Erklæring om miljøpolitik - V. Guldmann A/S

Guldmann arbejder løbende på at sikre, at virksomhedens påvirkning af miljøet både lokalt og globalt reduceres til et minimum.

Det er Guldmanns målsætning at:

- Efterleve den gældende lovgivning på miljøområdet (f.eks. WEEE- og REACH-direktiverne)
- Sikre, at vi i videst mulige udstrækning benytter materialer og komponenter, der overholder RoHS-bekendtgørelsen
- Sikre, at vores produkter ikke unødigt påvirker miljøet negativt i forbindelse med brug, genbrug og evt. destruktion
- Sikre, at vores produkter medvirker til et positivt arbejdsmiljø de steder, hvor de anvendes

Der gennemføres årligt tilsyn af forvaltningen Natur og Miljø under Aarhus Kommune med udgangspunkt i miljøbeskyttelseslovens § 42.

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GH Positioning Lock

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557600

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1.00 Use of GH Positioning Lock

1.01 Manufacturer

V. Guldmann A/S
Graham Bells Vej 21-23A
DK-8200 Aarhus N
Tel. + 45 8741 3100
Fax + 45 8741 3131
www.guldmann.com

1.02 Intended use

The GH Positioning Lock is used to lock a traverse rail system in a certain position. It is possible to lock a hoist and traverse rail individually or together at the same time.

The GH Positioning Lock is mechanical and is controlled via an infrared (IR) remote control. The system/hoist is placed in the desired position and then locked by pressing a button on the IR remote control. To unlock the system, press the remote control once again; see section 2.00.

1.03 Conditions for use

The use of the GH Positioning Lock is subject to the following prerequisites:

- The GH Positioning Lock is only designed for installation with the GH3+ ceiling hoist in A, B or C rails.
- The GH Positioning Lock may only be used by qualified personnel.
- The hoist may not be used to lift patients when one or more of the locks are activated.
- It is important that the lock is always disconnected before lifting patients (the user)
- The GH Positioning Lock may not be used with the following Guldmann products: GH Combi-Lock, GH Switch Track, GH Rail Curves GH Turntable, GH Drive motor for traverse rail or hoist with drive motor.
  When the GH Positioning Lock is activated, the maximum load on the hoist must not exceed 20 kg. The hoist should never be loaded if the lifting strap is angled at more than 45 degrees vertically/horizontally.

1.04 Mounting a new GH Positioning Lock in an existing hoist/rail system

The GH Positioning Lock is Class I equipment and must be installed by the Guldmann Service Team or by a certified installer.

Disconnect the equipment from the power supply by flipping the main breaker switch.

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The GH Positioning Lock is equipped with batteries that require regular charging. The power supply for charging and the transformer must be connected by the Guldmann Service Team or a certified installer.

The GH Positioning Lock is charged automatically in one of the parallel rails. This ensures that the GH Positioning Lock will always work and be ready for use, and that the batteries last longer.

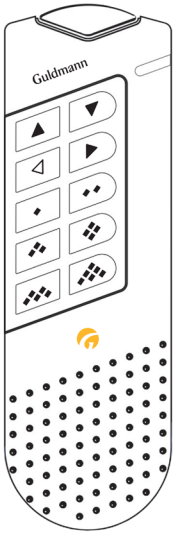
The transformer must be connected and switched on before charging can take place. A green indicator light on the transformer indicates that it is connected and turned on.
Always use the transformer supplied.

Safety concerning static electricity (ESD)
Service technicians and installers must use an ESD-safety package consisting of a mat, a ground wire, and a bracelet. The technician/installer connects the mat to a grounding point, for instance a radiator or a water pipe. The technician/installer must then put on the bracelet and connect it to the mat. If it is not possible to find a grounding point, the mat and the bracelet must be used as a minimum.
Only then is it allowed to work with the PC Board or components where it is possible to come into contact with the PC Board.

2.00 Description of features

2.01 IR remote control

The Positioning Lock is operated via IR remote control. Press the button once to activate the desired function.



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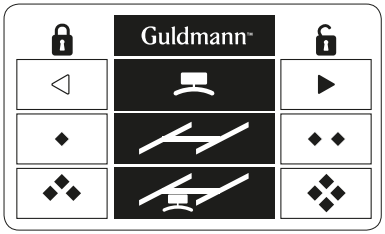
The following functions can be activated by using the IR remote control for the GH Positioning Lock:

Button		Function	Movement
▲		Lifting strap up *(If IR is installed in hoist)*	
▼		Lifting strap down *(If IR is installed in hoist)*	
◁		Lock hoist	Only movement for traverse rail
▶		Unlock hoist	
◆		Lock traverse rail	Only movement for hoist
◆ ◆		Unlock traverse rail	
◆◆◆		Lock traverse rail and hoist	No movement
◆◆◆		Unlock traverse rail and hoist	
◆◆◆◆		Not given	
◆◆◆◆		Not given	

Label
The buttons' functions are also explained by the enclosed label (557599) which can be positioned as desired to serve as a guide for daily use. The symbols refer to the table above.



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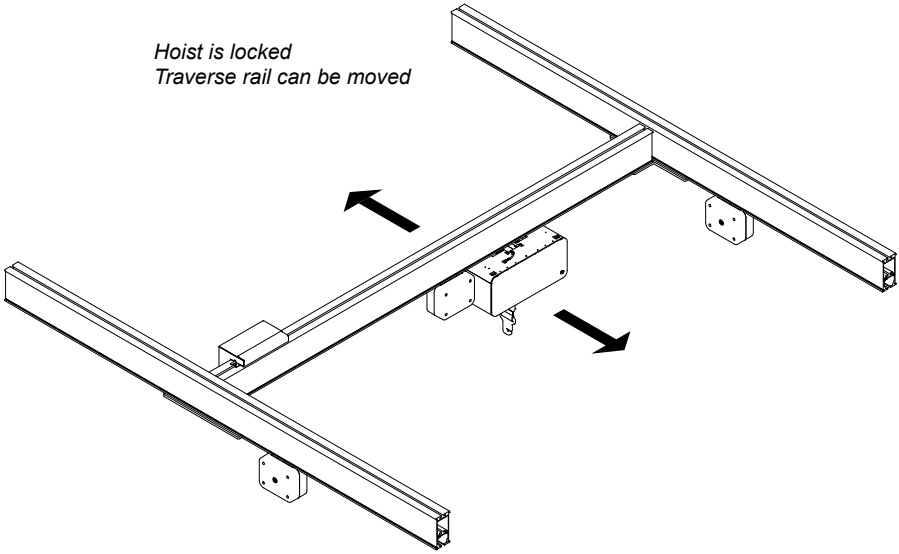
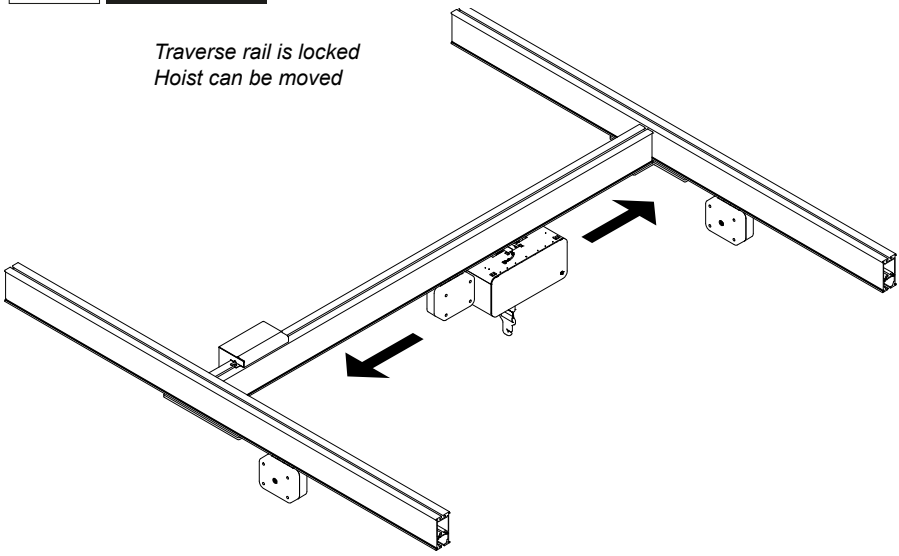
Lock hoist

Hoist is locked
Traverse rail can be moved



Lock traverse rail

Traverse rail is locked
Hoist can be moved



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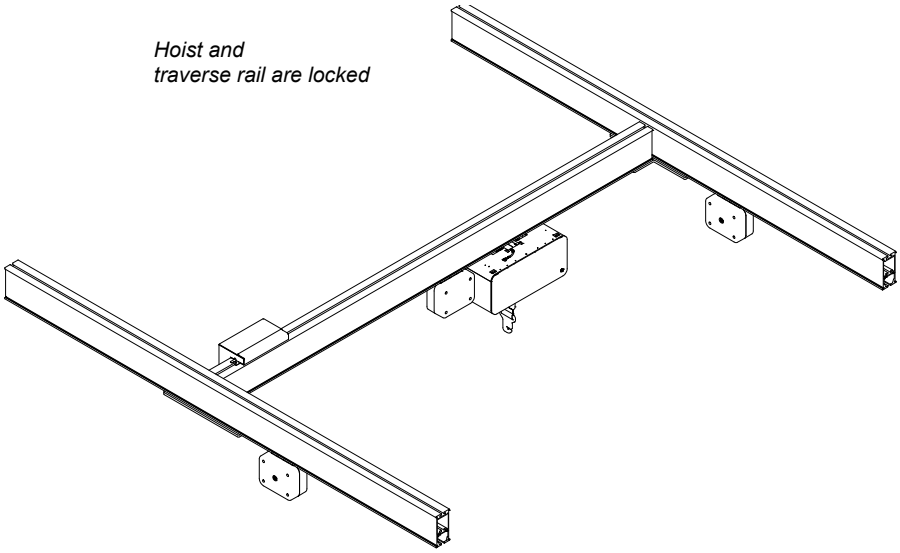
Lock hoist and traverse rail

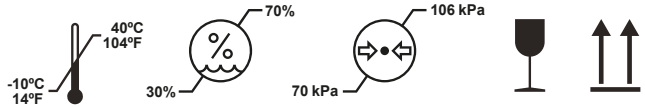
Hoist and
traverse rail are locked



3.00 Transport and storage

Guldmann recommends that the products are always transported and stored in the original packaging.

Key to symbols on the packaging:



The products 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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4.00 Maintenance and storage

4.01 Cleaning

We recommend that the product and the parts that patients and caregivers can come in contact with are cleaned with Novadan Des Wipes or Novadan Desinfect O.

Desinfect O: A broad-spectrum disinfectant system as tablets. Suitable for disinfection of equipment, tools and surfaces in the healthcare sector.

Novadan Des Wipes: Is a disposable wipe for cleaning and disinfection of all types of surfaces, machines and instruments in the healthcare sector.

Note: Do not use strong acids, bases or alcohol to clean the products. Never clean the products in an autoclave.

Desifect O is effective against:	**Novadan Des Wipes is effective against:**
Microbial- & Virus test	
• Staphylococcus aureus (ATCC 6538) (EN 13697:2001) • Enterococcus hirae (ATCC 10541) (EN 13697:2001) • Escherichia coli (ATCC 10536) (EN 13697:2001) • Pseudomonas aeruginosa (ATCC 15442) (EN 13697:2001) • Candida albicans (ATCC 10231) (EN 13697:2001) • Swine plague - Bovine viral diarrhea virus (BVDV) (EN 14675:2006) • Swine and avian flue (Influenza A virus H1N1) (EN 14675:2006)	• Staphylococcus aureus • Escherichia coli • Proteus mirabilis • Pseudomonas aeruginosa • Candida albicans • MRSA • H1N1 • HBV (HIV) • HCV

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Novadan product	Description	Microbial and Virus test	Application	Dosing	Frequency
Desinfect O	A broad-spectrum disinfectant system as tablets.	Staphylococcus aureus, Enterococcus hirae, Escherichia coli, Pseudomonas aeruginosa, Candida albicans, Swine plague - Bovine viral diarrhea virus (BVDV), Swine and avian flu. (Influenza A virus H1N1)	Tools apparatus (Remember to wash afterwards)	1 tablet –10 l of water Time before effect: 5 min.	Daily/ periodically
Novadan Des Wipes	Is a disposable wipe for cleaning and desinfection of all types of surfaces, machines and instruments within the healthcare sector and food industry.	Staphylococcus aureus, Escherichia coli, Proteus mirabilis Pseudomonas aeruginosa, Candida albicans, MRSA, H1N1 HBV (HIV), HCV	Lifting pool with adjustable handle, bed guard, remote control of beds, extension piece for bed guards, handle, polyester line for lifting pool.	Time before effect: 1 min. Apart from H1N1: 30 min	After every touching

4.02 **Storage**

See 3.00

For long-therm storage, disconnect the battery plugs and the plug from the battery at the charging PCB.

4.03 **How to prevent/avoid corrosion?**

When the products are mainly used in an corrosive environment, e.g. swimming pool, the products must be ordered with a special corrosion-preventive surface treatment.

4.04 **Daily maintenance**

Ensure that the GH Positioning Lock is intact. Do not use the GH Positioning Lock if it is damaged or defective. Instead, contact the Guldmann Service Team or a technician certified in accordance with Guldmann's indications.

4.05 **Disposal of GH Positioning lock, including batteries**

Local and national regulations on environmentally correct recycling must be observed.

Batteries (type NiMH) must always be delivered to an approved recycling point.

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5.00 Service and lifetime

5.01 Lifetime

The products have an expected lifetime of 15 years, on the condition of correct use and correct service inspections, see section 5.02.

Replacement of components

Replacement of batteries, PCBs and lifting straps must be performed by a qualified service technician or the Guldmann Service Team.

5.02 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.

Safety/service inspections of the products must be performed by a qualified service technician or the Guldmann Service Team.
In connection with the purchase Guldmann 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.

5.03 Item numbers

Infrared remote control

Guldmann item number 935034

Batteries

MiMH battery 24V/2000mAh, Guldmann item number 550574

Transformer

Transformer, Class I, Guldmann item number 550200

GH Positioning Lock

Guldmann item number 557618

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6.00 Classification

CE marking

Type B in accordance with UL/EN 60601-1

Read the manual before use

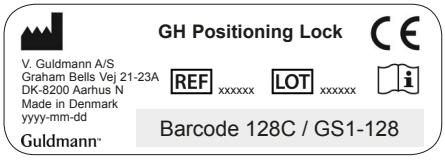
Must not be disposed of as standard household waste, must be recycled.

Class I equipment: Permanent installation with protective ground
Class II equipment: Non-permanent installation without protective ground

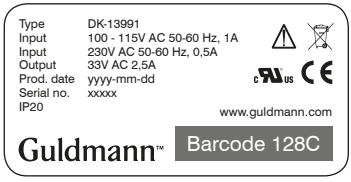
The equipment is not suitable for use in the presence of flammable mixtures.

Examples of serial number label

GH Positioning Lock



Transformer Class 1



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7.00 EC-Declaration of conformity

The products are manufactured in compliance with the Council Directive 93/42/EEC of 14 June 1993 – with amendments, as medical device class 1.

8.00 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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USA and countries outside the EU

A. Users guide
Before using the product, read the entire operation manual including warranty.

B. 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.

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 designated technician. Any parts or components repaired or replaced by a Guldmann designated technician will be guaranteed for the remainder of the Warranty Period.

The warranty does not cover any part of the equipment which has been subject to damage or abuse by the user or others. The warranty does not cover any part of the equipment which 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.

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.

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Time to care

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