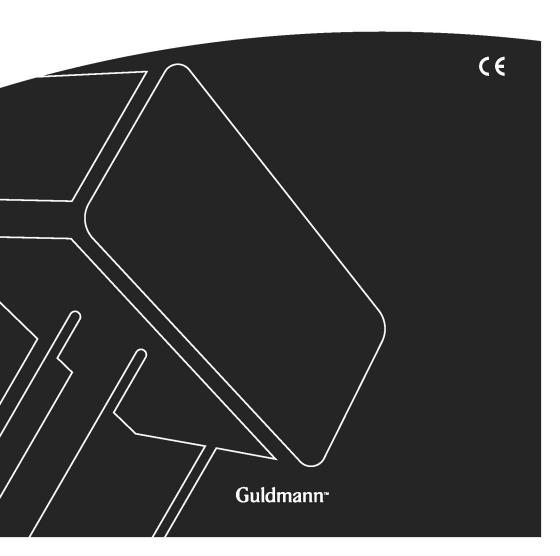




Email: sales@evocare.com.au

GB/US GH3 Twin Ceiling Hoist

Vers. 2.00



EVOCARE AUSTRALIA PTY LIMITED

A.B.N. 98 078 566 604
Trading as EVOCARE and L&M EQUIPMENT

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			GH3 Lifting	g modules, ve	ersion type n	omenclature			
Guldmann hoist type	Product line	Load in kg	Number of lifting straps	Number of lifting motors	Number of horizontal drive motors	Scale module	CLM module	Service module	User interface
GH3	(x)	xxx	х	х	х	х	х	х	х
GH3		200	1	1	1				
		250	1	1	1				
	+	250	1	1	1	None : 0 Scale : 1	None:0 CLM:1	None : 0 Service: 1	Hand
		300	1	2	2	Scale . I	CLIVI . I	Service. I	
		350	1	2	2				IR :1
	Twin	250	2	2	0				
		500	2	2	0				
GH3	X	Υ	Z	Z	Z	Q	Q	Q	Q

GH3 Twin Ceiling Hoist

Item nos:

552xxx

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1.00 Purpose and use

1.01 Manufacturer

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

www.quldmann.com

1.02 Purpose

The GH3 Twin (hereafter called GH3) is a ceiling-mounted hoist, which covers the requiments for heavy and special lifting or moving of persons in hospitals, nursing homes, institutions, swimming pools, riding schools and private homes.

Conditions for use

The use of the GH3 is subject to the following:

- The GH3 should only be used by trained personnel.
- The maximum nominal load, 250 kg (550 lbs), 500 kg (1100 lbs) respectively, must not be exceeded.
- The instruction offered by Guldmann to all customer groups in connection with the purchase of a ceiling-mounted hoist has been received.
- The helper pays attention to the well-being of the user when using the hoist.
- The hoist is used in rail systems which are installed, tested and approved according to Guldmann's stipulation.
- Only technicians who have been certified by Guldmann may install and test the rail systems.
- The hoist is used with the Guldmann lifting hanger or with other suitable hanger (section 1.08).
- The hoist is used with a Guldmann lifting sling or with other suitable slings (section 1.09).

1.03 Important/Precautions

- Read the instructions carefully before using the GH3 and in connection with cleaning and service of the hoist.
- The GH3's maximum load must never be exceeded.
- The GH3 may only be used to lift a person.
- The red strap for the emergency stop and the emergency lowering must be adjutsed to the helpers reach, and must not be removed.
- The GH3 must not be used where there is a risk of it being splashed with water.
- If a defect appears during use of the GH3, stop using the hoist and contact
 the Guldmann Service Team for repairs. The GH3 is controlled by a microprocessor PCB, which can be damaged by static electricity if touched without the
 necessary precautions, (see point 1.07) The electronics may only be serviced
 by Guldmann approved service technicians.

Electromagnetic compatibility (EMC)

In case of electromagnetic interference between the GH3 hoist and other products, these must not be used together.

1.04 Load limits on GH3 system

Read the label which indicate the maximum load limits for each component. The components, e.g. lifting hanger, lifting sling, etc. labelled with the lowest load limit determines the maximum load limit for the entire system.

This maximum load limit must not be exceeded.

Please note that the max load may change when different components are used, such as lifting hangers, lifting slings, etc.

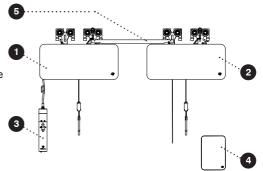
1.05 Unpacking and Preparation

Visual check of the GH3.

If the GH3 is thought to be damaged upon reception, the GH3 must not be used before it has been checked and approved by a qualified person or the Guldmann Service Team

Contents of the box

- 1. GH3 hoist (leader)
- 2. GH3 hoist (follower)
- 3. Hand control
- 4. Transformer
- 5. Connector bar and cable
- 6. Manual (not illustrated)
- 7. Label for rail system (not illustrated)



1.06 Placing a new GH3 Hoist in an existing rail system

Please notice, placing a new GH3 hoist in an existing rail system it must be ensured that:

- The rated max load of the rail system, must be equal or higher than the max load of the new hoist.
 - If there is no max load mentioned on the rail system, the rail system must then be checked according to the guideline in the Installation guide (distance between bracket according to max load)
 - If the brackets are not visible, then a load test with 1,5 x max load of the hoist must be performed. The deflection of rails must not be higher than 1/200 of the length of the rail.
 - If it is not possible to do any of the above mentioned, please contact Guldmann or their representative

 If the rail system can not be rated to the same max load as the hoist, then extra brackets must be installed according to the Installation quide (distance between bracket according to max load).

Class I equipment

Fixed rail systems are class I equipment and *must* be installed by a qualified technician or by Guldmann Service Team.

Equipment is disconnected from Supply Mains by breaking the mains breaker switch.

Class II equipment

Mobile equipment is class II epuipment (marked with double-encassed symbol) and can be connected to the mains direct by the user. Equipment is disconnected from Supply Mains by detaching the mains plug from the wall outlet.

Emergency stop device

The emergency stop device must be reset in order to connect power to the product. To do this, push the yellow reset button (see point 2.09).

1.07 Power supply

GH3 is equipped with batteries that require regular recharging. The power supply for charging and the battery charging point must be connected by a qualified engineer or by Guldmann Service Team.

The transformer supplied must always be used.

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. 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. If the Service technician is using a ladder, it is important that the mat is placed on the same step that the service technician stands on. Only then is it allowed to work with the PCB Board or components where it is possible to come into contact with the PCB Board.

Lifting hangers from other manufacturers

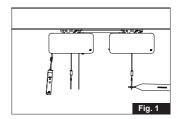
Guldmann shall not be liable for faults or accidents that may occur as a result of using lifting hangers made by other manufacturers.

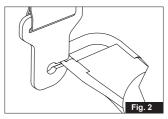
If there is any doubt about the selection or use of a lifting hanger, please contact your supplier.

The lifting hanger can be installed to the lifting strap without the use of any tools

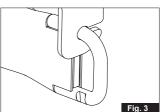
Installation of GH3 Cross hanger

 Start with the installation of the GH3 lifting beam and place the groove on one of the eyes on the lifting beam, on one of the strap attachment. (Fig. 1 and 2)





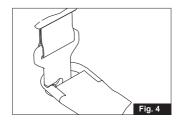
Turn the lifting beam downward until the other eye turn toward the other strap attachment. (Fig. 3)

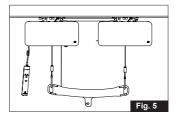


 For mounting the last eye properly, the lifting strap must be twisted so the hook on the hoist can be mounted from inside of the eye on the lifting beam. (Fig. 4 and 5)

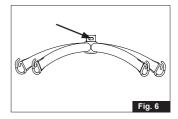
Important:

Check that none of the lifting straps are twisted after the installation of the lifting beam!

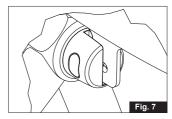


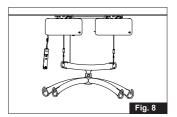


 Hold the GH3 Cross hanger and press the yellow button using the thumb with the same hand that holds the hanger. (Fig. 6)



- Insert the hook on the lifting beam in the slot on the Cross hanger's top cover with the open side facing upward (Fig. 7) and release the yellow button.
- Rotate the Cross hanger downward (Fig. 7). Check that the yellow button has returned to its locked position by checking that it is flush with the cover of the hanger and that the Cross hanger can rotate freely.

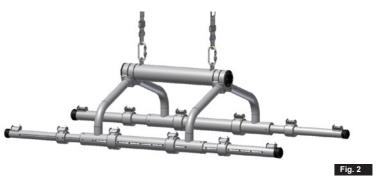




Installation of GH3 Horizontal lifter, foldable

For installing the Horizontal lifter it is necessary to use 2 oval hooks (Fig. 1 and 2). These can be ordered from Guldmann or your supplier on item no. 21160.





1.09 Lifting sling

A lifting sling with four to six lifting straps designed for mounting on hooks should be used when using a Guldmann lifting hanger. Place the straps on the hooks.

Slings made by other manufacturers

Guldmann shall not be liable for faults or accidents that may occur as a result of using lifting slings made by other manufacturers.

If there is any doubt about the selection or use of a lifting sling, please contact your supplier.

Guldmann shall not be liable for faults or accidents due to incorrect use of the lifting sling, or for reasons of inadequate attention on the part of the carer or user.

Working with the GH3

The GH3 runs easily in the rail system and does not have any special requirements for space or power in connection with moving. Attention can thus be fully focused on the user's functional level and the helper's technique.

If the hoist is used correctly, the user should only be lifted to the extent that she/he is clear of the surface and should be moved at this height.

Attaching the lifting sling to GH3 Cross hanger

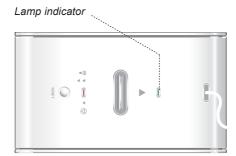
Place the straps from the lifting sling on the hooks on the lifting hanger. Start with the uppermost set of straps (from the back) and then take the lowest set of straps (from the legs).

Attaching the lifting sheet to Horizontal lifter, foldable

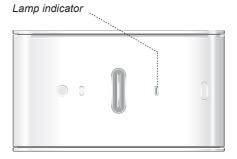
Read the instructions in the user manual for the Horizontal lifter

2.00 Description of functions

Information panel on the GH3 bottom surface on leader hoist.



Information panel on the GH3 bottom surface on follower hoist.



2.01

Pictograms



Emergency stop



Emergency lowering function

RESET

Reset emergency stop

Indicator lamps and audio signals 2.02

Status	Indicator lamps	Audio signals	Possible GH Functions				
			Uр	Down	Emergency lowering	Horizontal drive motor	Communication
Off – stand by	Off						
All OK	Green		х	х	х	х	х
No charging	Yellow, after 15 sec	3 x Beep after 60 sec	Х	х	х	х	х
Low battery	Yellow		х	х	х	х	х
Fault on hoist	Yellow	Beeps at button activation			х		х
Battery critically low	Yellow	Beeps at button activation that is not permitted		х	х		х
Over load	Yellow	Beeps at button activation		х			х
Service date exceeded more than 60 days x)	Yellow	Beeps at button activation	х	х	х	х	х

x) Only if the hoist is with Service modul

2.03 Operation

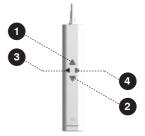
Hand control

The GH3 is switched on automatically when a button on the hand control is pressed.

The GH3 is switched off automatically after approx. 8 minutes without activation.

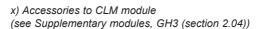
GH3

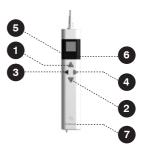
- 1. Lift
- 2. Lower
- 3. Lift leader hoist. (Tilt fuction)
- 4. Lower leader hoist. (Tilt fuction)



GH3 with sumplementary modules

- 1. Lift
- 2. Lower
- 3. Lift leader hoist. (Tilt fuction)
- 4. Lower leader hoist. (Tilt fuction)
- 5. Function selection button (section 2.05, supplementary modules)
- 6. Function selection button (section 2.05, supplementary modules)
- 7. PDA interface (mini USB) x) PDA /Netbook

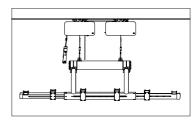




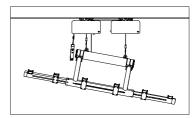
Using tilt function on GH3

The GH3 has a tilt function. This function can only be used with a horizontal lifter. (See section 2.03 for positions of hand control buttons)

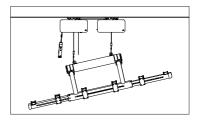
 When the buttons 1 or 2 are pressed both hoists will lift or lower the horizontal lifter.



2. When the button 3 is pressed only the leader hoist lifts the horizontal lifter.



3. When the button 4 is pressed only the leader hoist will lower the horizontal lifter.

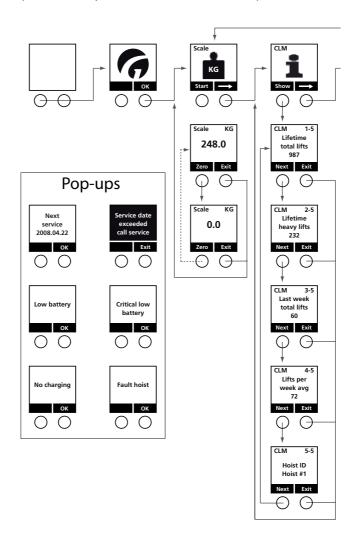


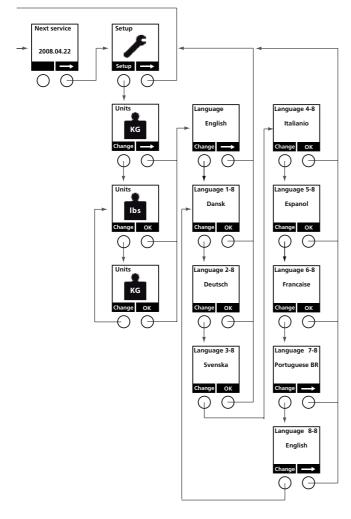
There are various supplementary modules for the GH3

- Scale module (GH3 with integrated scale)
- CLM module (GH3 with statistical function for management use)
- Service module (GH3 with Service module)

Menu structure, Supplementary modules GH3

(Detailed description follows in sections 2.05-2.09)





2.05 Configuration of supplementary modules, GH3

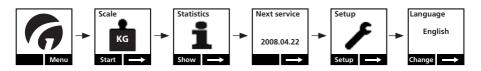
Before the GH3 is put into use, the hoist must be configured. Configuration covers language (Scale module/CLM module/Service module) and the unit for specification of weight (Scale module).

Factory setting: Language: English (UK)

Unit of weight: kg

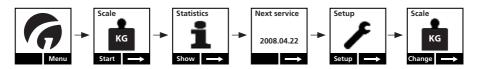
Configuration of supplementary modules takes place from the GH3 hand control.

Setting the language



- Press any key on the GH3 hand control to activate the hoist.
 When the hoist is activated, the display on the hand control is switched on and the Guldmann logo "G" appears.
- Select "Menu" using the function key located immediately below the display and then select → until the "Setup" menu appears in the display.
- Select "Setup" and then → until the "Language" menu appears in the display.
- 4. Select "Change" until the preferred language appears in the display, and confirm the selection by pressing "OK".
- 5. Then return to "Setup". Select → to return to the start menu.

Setting the units, kg/lbs (Scale module)



- Press any key on the hand control to activate the hoist.
 When the lifting module is activated, the display on the hand control is switched on and the Guldmann logo "G" appears.
- 2. Select "Menu" using the function key located below the display
- 3. Then select → until the "Setup" menu appears in the display.
- 4. Select "Setup" and then → until the "Units" menu appears in the display.
- Select "Change" to switch between the units kg and lbs, and confirm the selection by pressing "OK".
- 6. Select → to return to the start menu.
- The display in the hand control switches off automatically after use (approx. 8 min). (See the complete menu summary, section 2.04, Supplementary modules, GH3)

2.06

Scale module (GH3 with integrated scale module)



The GH3 with scale module (option) provides the facility to determine the user's weight.

Warning!

The integrated scale in GH3 is not approved to determine mass in medical practice, including the weighing of patients in connection with health monitoring, diagnosis and medical treatment.

(The provisions for medical weighing are specified in accordance with EEC Directive 90/384)

Shock effects

The GH3 with scale module includes high-sensitive sensors to register mass corresponding to the nominal recommended load. The sensors are highly sensitive and can be damaged by the effects of shock, for example pulling the GH3 at extreme speed into an end stop.

Operation

Always reset the scale module before weighing takes place. When resetting the unit, the lifting hanger and the desired lifting sling must be attached under the hoist.

Resetting the unit (tara)



- Press any key on the hand control to activate the hoist.
 When the lifting module is activated, a display on the hand control is switched on and the Guldmann logo "G" appears.
- 2. Select "Menu" using the function key located immediately below the display
- 3. Then select → until the "Scale" menu appears in the display.
- 4. Then select "Start".
- When the lifting hanger with the lifting sling is at rest, select "Zero" to reset the GH3 scale module.

The scale module has now been reset and weighing can commence.

Weighing



- Always reset the GH3 scale module before weighing takes place, see section entitled "Resetting the unit".
- 2. Place the lifting sling on the user and attach it to the lifting hanger.
- 3. Lift the user with care.
- 4. Park the hand control on the lifting hanger.
- Select "Menu" using the function key located immediately below the display and then select → until the "Scale" menu appears in the display.
- 6. Then select "Start".
- When the sling and the user are at rest and hanging freely, the current weight can be read on the display. (The weight can be read to an accuracy of 1 decimal place).
- 8. Select "Exit" to return to the main menu.

Note:

The display in the hand control switches off automatically after use (approx. 8 min.)

2.07 CLM module (GH3 with statistical function for management use)

The GH3 with CLM module (option) includes a management tool that saves important information on the use of the lifting module and which can be used to evaluate the system's efficiency and utilisation, as well as to optimise its use and hoist name/location.

The following data can be shown on the hand control's display: number of lifts, number of heavy lifts, number of lifts in last week, average number of lifts per week.

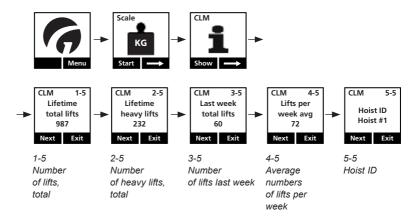
As an additional option, by connecting a PDA/Net Book to the hand control it is possible to gain access to a number of other saved data, e.g. the number of lifts since the last strap change, number of critically low battery readings, number of weighings, total lifting time, etc.

This information can be downloaded and used for further analysis. (PDA/Net Book readouts requires a PDA/Net Book with Guldmann Service and Information consol).

Number of lifts, total	A lift is registered automatically when the following events are registered simultaneously Hand control is activated (Direction UP) for more than 2 seconds The load on the lifting strap is registered as being within the range: 15 kg — Recommended load kg (33 lbs — Recommended load lbs) Total includes the number of lifts performed after the lifting module was first taken into use.
Number of heavy lifts, total	A heavy lift is registered automatically when the following events are registered simultaneously Hand control is activated (Direction UP) for more than 2 seconds The load on the lifting strap is registered as being within the range: 150 kg — Recommended load kg (330 lbs — Recommended load lbs) Total includes the number of heavy lifts performed after the lifting module was first taken into use.
Number of lifts, last week	The total number of lifts performed within the last seven calendar days
Average number of lifts per week	Average number of lifts per week (performed after the lifting module was first taken into use)

The data for "Number of lifts, last week" and "Average number of lifts per week" can, if necessary, be reset using a PDA/Net Book.

Operation



- Press any key on the GH3 hand control to activate the hoist.
 When the lifting module is activated, the display on the hand control is switched on and the Guldmann logo "G" appears.
- 2. Select "Menu" using the function key located below the display.
- 3. Then select until the "CLM" menu appears in the display.
- 4. Then select "Show".
- 5. Then select "Next" until the required information appears in the display.
- 6. Select "Exit" to return to the main menu.

Note:

The display on the hand control will automatically revert to the screensaver after approx. 8 min.

Accessories for the CLM module, GH3

The CLM module includes an extended management menu which can be operated via a PDA/Net Book (with Guldmann Service and Information consol installed).

The PDA/Net Book is connected to the hand control via a mini USB plug located in the base of the hand control (see section 2.04).

Contact supplier or the Guldmann Service Team for further information about CLM accessories

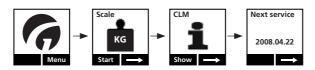
2.08

Service module (GH3 with service module)

The GH3 with Service module (option) saves all of the information about time and indication of next safety/service inspection.

The GH3 with Service module specifies the date of the next safety/service inspection.

Operation



- Press any key on the hand control to activate the hoist. When the lifting module is activated, a display on the hand control is switched on and the Guldmann logo "G" appears.
- 2. Select "Menu" using the function key located immediately below the display.
- Then select → until the "Next service:" menu item appears in the display.
- 4. Read off the date of the next safety/service inspection (Year, Month, Date).

Pop-Up's for Service module (supplementary module)

There are two different Pop-Up's (brief messages on the display) on the GH3 with Service module. These pop-up's notify the user of upcoming and exceeded dates for service inspections.

Both Pop-Up's appear immediately after the hand control has been switched on.

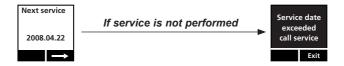
Pop-Up's before and after "Service Date"



1. Pop-Up, 30 days

The next service inspection must be undertaken within 30 days.

Select "OK" to return to the main menu (returns automatically after approx. 5 seconds).



2. Pop-Up, Service date exceeded

The date of the service inspection has been exceeded, contact the Guldmann Service Team.

Select "Exit" to return to the main menu (returns automatically after approx. 5 seconds).

Attention!

If the service date is exceeded by more than 60 days, the hoist makes an acoustic signal, at any button activation.

The Acoustic signal can be disabled by the "Guldmann Service and Information Consol" software.

Note:

The display on the hand control will automatically revert to the screensaver after approx. 8 minutes.

The emergency stop and emergency lowering device should only be used in an emergency

In the event that it is necessary to use the safety functions, the fault must be identified and rectified before the GH3 is taken into use again. Please contact your supplier.

Emergency and lowering strap

The red strap has the following functions:

- · One pull: Emergency stop is activated.
- Constant pull (2 steps): Emergency lowering is activated. It will work with following load:

GH3 up to 500 kg/1100 lbs from approx. load 160 kg/350 lbs.







Emergency stop

If the GH3 does not stop/react to the hand control when the GH3 is in use, pull the red strap and all lifting/lowering/horizontal driving functions (except emergency lowering) are deactivated.

When the emergency stop is activated, the hoist will not function. The green lamp is switched off.

Reset emergency stop

Reset the emergency stop by pressing the yellow button on the bottom of the hoist



The yellow button that appears when the emergency stop is pulled, must be pressed manually before the GH3 is ready for use.

After deactivating the emergency stop, activate the hand control twice.

Emergency lowering function, electric

If the GH3 fails, the electrical emergency lowering function is used to lower the user safely. The emergency lowering function is operated by a constant pull on the red strap that is used for the emergency stop.

When releasing the red strap, the emergency lowering function will be replaced by the emergency stop.

Emergency lowering function, mechanical

If the electrical emergency lowering function in the GH3 fails, the emergency lowering can be done mechanically. This must be done on the leader hoist and follower hoist.

- Remove the side covers.
 Release the side covers from the top of the hoist by means of a gentle push on the fixing points on each side. The covers are tipped free of the hoist and can be removed.
- Then release the hoist's motor by turning the handle bearing the words "EMERGENCY DOWN". This handle is located immediately behind the side cover and must be turned clockwise.









3. When the brake(s) has/have been released, the user will be lowered slowly. If the total weight of the user and the lifting accessories is low (e.g. less than 100 kg (220 lbs), it may be necessary to help the user down by turning the large belt wheel located on the opposite side of the handle and in the direction of arrow marked on the belt wheel.



Warning!

After the mechanical emergency lowering function has been activated in the GH3, the hoist *must* be serviced by a qualified technician or by the Guldmann Service Team

2.10 Charging/connection

The GH3 is automatically charged along the entire length of the straight rails. This guarantees the hoist functionality and maintains the batteries to ensure a long lifetime.

The indicator lamp on the bottom of the hoist turns yellow if the charge status becomes low or if there is a complete interruption to the charging function. The GH3 then has a limited number of lifts available at a time and must be re-charged.

The transformer must be connected and switched on before charging can take place. A green indicator lamp on the transformer indicates that it is connected and switched on.

2.11 Accessories

Guldmann - ABC slings and lifting hangers

Obtain a brochure from your distributor, manufacturer or at www.quldmann.com

Extension strap 550459

The extension strap is used where the distance between the lower part of the rails and the floor exceeds 3.5 m (111/7"). The extension strap is available as an accessory.

Cross hanger 550444

The cross hanger can be used in two ways depending on what kind of hoist is being used.

Lifting sling with divided leg straps:

Place the sling with the wide side facing the user. Hook the back straps on the hoist onto the hooks closest to the user and the leg straps to the hooks farthest away from the user.

Lifting sling with undivided leg straps (Sit-On sling):

It is an advantage to position the lifting sling with the narrow side facing the user. Hook the back straps on the hoist onto the hooks closest to the user and the leg straps to the hooks farthest away from the user.

Horizontal lifter, foldable 28444

The horizontal lifter is a lifting device which is used together with a hoist and rail systems to move people in a horizontal position. It can be stored completely or partially folded in order to minimise space requirements, or it can hang ready to use in the hoist.

The horizontal lifter may be used only for horizontal relocation of people lying on a level, horizontal surface. The person must be lying on a Guldmann sling or on another suitable sling. A level surface can be, for example, a bed, a stretcher or the floor.

Batteries

NiMH Battery 24V/2800mAh, Guldmann type number 550574.

Transformer

Transformer, Class 1, Guldmann item number 550391 Transformer, Class 2, Guldmann item number 550388 (EU), 550387 (US/CAN)

3.00 Transport and storage

Guldmann recommends that the GH3 is always transported and stored in the original packaging.

Key to symbols on the GH3 packaging:









-10 → 40°C 30 → 70% 700 → 1060hPa

The GH3 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

4.00 Maintenance and storage

4.01 Cleaning

Clean the GH3 with a damp cloth and mild handwash detergent.

Do not use strong acids, bases or alcohol to clean the GH3. Never clean GH3 in an autoclave.

4.02 Storage

See 3.00

For long-therm storage, disconnect the battery plugs.

4.03 How to prevent/avoid corrosion?

When the GH3 is mainly used in an corrosive environment, e.g. swimming pool, the hoist must be ordered with a special corrosion-preventive surface treatment.

4.04 The owner's daily maintenance duty

Check the lifting sling for wear and damage before use.

Do not use the lifting sling if it is damaged or defective.

Do not use the GH3 if the lifting strap is damaged or defective.

Contact your supplier and order a new lifting sling or a replacement of the lifting strap. Replacement of the lifting strap must only be performed by the Guldmann Service Team or by a qualified technician in accordance with Guldmann's instructions.

4.05 Disposal of the GH3 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.

5.00 Service and lifetime

5.01 Lifetime

The GH3 has an expected lifetime of 15 years, on the condition of coorect 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.

Inspection of the GH3 must be performed by a qualified service technician or the Guldmann Service Team.

In connection with the purchase of the GH3, Guldmann may offer a service agreement for this inspection.

NB!

The GH3 with service module may only be serviced by the Guldmann Service Team or by a qualified service technician with access to the PDA/Net Book with Guldmann Service and Information consol.

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 Troubleshooting

The GH3 does not respond to the hand control's keys

- 1. Check the emergency stop is not activated
- 2. Check the hoist has power supply
- 3. Check the transformer is switched on and connected to the rail system
- 4. Contact the Guldmann Service Team

6.00 Classification



CE marking



Type B in accordance with 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.

Degree of protection against harmfull ingress of liquids (water)

Hoist	IP20
Hand control	IP44
Remote control	IP20
Transformer	IP20

Examples of serial number label

Lifting module



Transformer Class 1



Transformer Class 2 Use within US/CAN



Transformer Class 2 Use within EU



Lifting hanger



Hand control

Part no. xxxxxx
Edition xxx
Date xxxx-xx-xx
IP44

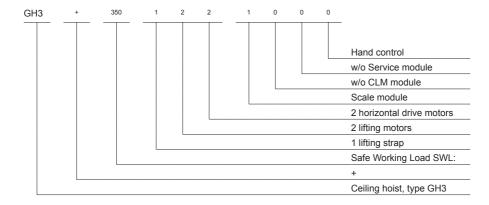
7.00 Certificates

EN/ISO10535 HMI No. 08.49A, 09.14A, 09.15A

8.00 Technical specifications

			GH3 Lifting	g modules, ve	ersion type n	omenclature			
Guldmann hoist type	Product line	Load in kg	Number of lifting straps	Number of lifting motors	Number of horizontal drive motors	Scale module	CLM module	Service module	User interface
GH3	(x)	xxx	х	x	х	х	х	х	х
GH3		200	200 1 1 1						
		250 1 1 1							
	+	250	1	1	1	None : 0 Scale : 1	None : 0 CLM : 1	None : 0 Service: 1	Hand control: 0
		300	1	2	2		Scale . I CLIVI .	CLIVI . I	Service. I
		350	1	2	2				IR :1
	Twin	250	2	2	0				
		500	2	2	0				
GH3	X	Υ	Z	Z	Z	Q	Q	Q	Q

Example: GH3+ 350 122 1000



Functions

Lifting capacity, SWL	250 kg (550 lbs), 500 kg (1100 lbs)
Operation	
Sound level	52 dB (A)

GH3 Twin			
Lifting speed			
85 kg (187 lbs) load	60 mm/sec (2.4 inch/sec)		
150 kg (330 lbs) load	60 mm/sec (2.4 inch/sec)		
Max capacity load, SWL	55 mm/sec (2.2 inch/sec)		
Max 5 kg (11 lbs) load	100 mm/sec (3.9 inch/sec)		

Weight and materials

SWL	
Own weight	
Covers	Impact_registant LIL 94 V-0 flame retardant recyclable plastic

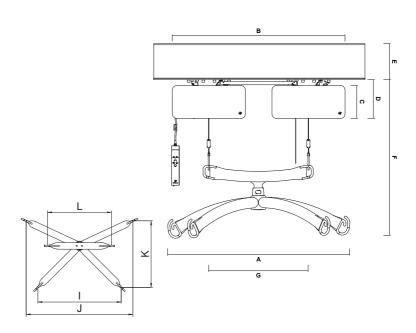
Digital Scale Specifications (Non medical). Optional for GH3 Twin

Capacity	500 kg (1100 lbs)
Accuracy	
Display resolution (d)	0.1 kg (0.22 lbs)
Repeatability	<0.1 kg at 0-250 kg (0.22 lbs at 0-550 lbs)
	<0.2 kg at 0-500 kg (0.44 lbs at 0-1100 lbs)
Minimum weight	
Display type	LCD in Hand Control

Dimensions
A
B700 mm (27.6 inch)
C
D
E, min
F, min
F, max
G
1
J
K
L
Depth of hoist

Safety

Emergency stop	. Yes, mechanical and electrical
Emergency lowering device	Yes
Control of lifting strap	Yes
Cut-off angle 45° a	along the rail 10° across the rail



Electronics On/off		
Battery		
Continuous operation with short time loading with: 3 hours without recharging10/90% (2 min operation/18 min pause)		
Max number of lifts in series with: 85 kg (187 lbs)		
Max charging time at 25°C: SWL: 250 kg (550 lbs)		
Operating temperature	10°C-35°C (50°F-95°F)	
Degree of protection against harmful in Hoist. Hand control. Remote control. Transformer	IP 20 IP 44 IP 20	

((

Guldmann[™]

EC-DECLARATION OF CONFORMITY

Manufacturer V. Guldmann A/S Graham Bells Vej 21-23A DK-8200 Aarhus N EAN country code: 57 EAN distribution No.: 07287 Phone +45 8741 3100

+45 8741 3131

Representative Company

Address

Country

Phone

Hereby declare that

Product **GH3 Twin**

incl. lifting hanger, suspension and charging system

Type No. GH3 Twin Y ZZZ QQQQ x)

x) See GH3 lifting modules, version type nomenclature

was manufactured in conformity with the provisions in according to the Council Directive 93/42/EEC of 14. June 1993 Class 1

• EN/ISO 10535:2006 Hoists for the transfer of disabled persons

- requirements and test methods

 IEC/EN 60601-1-2: Medical electrical equipment -2001, +A1:2006

Part 1: General requirements for safety -

2: Collateral standard: Electromagnetic compatibility

Skejby 01.09.2009

Place and day of issue

Product responsible

Technical Manager

USA and countries outside the EU

A. Users guide

Before using the product, read the entire operation manual including all warranties

B. Warranties

The Guldmann lifting equipment is designed to be used for the lifting, transferring, and transporting of a person with a physical handicap who are not able to physically self transfer or who are temporarily incapacitated by illness, anesthesia or other causes.

This lifting equipment is designed to relieve the users, their caregivers, and nursing personnel in the task of lifting elderly or disabled people, thereby minimizing the risk of back injury during such lifting and transfer operations. If the product is used irresponsibly or for any use other than that described above or in the enclosed written instructions, the manufacturer's warranty will be nullified and rendered void.

There are no warranties which extend beyond the description in the enclosed written instructions.

Guldmann warrants that its lifting equipment is free from defects in materials and workmanship under normal use. Guldmann warrants that the lifting equipment itself will perform substantially in accordance with the specifications set forth in the documentation provided with the equipment.

The above express warranties are made for a period of 365 days from the date the lifting equipment is delivered to you as the first user.

The distributor will replace any lifting equipment which proves defective in materials or workmanship, without additional charge, on an exchange basis.

The distributor will either replace or repair without additional charge any Guldmann lifting equipment that does not perform in substantial accordance with the specifications of the document.

Guldmann does not warrant that the functions contained in the lifting devices will meet your requirements or that the operation of the services will be uninterrupted or error-free. The warranty does not cover any of the part of the lifting equipment which has been subject to damage or abuse by you. The warranty does not cover any part of the lifting equipment which has been altered or changed in any way by you or others. Guldmann is not responsible for problems caused by changes in the operating characteristics of the operating system which are made after the delivery of the lifting equipment. Any implied warranties including any warranties of merchant ability or fitness for a particular purpose are limited to the term of the express warranties.

Guldmann shall not in any case be liable for special, incidental, consequential, indirect or other similar damages arising from any breach of these warranties even if Guldmann or its agent has been advised of the possibility of such damages.

You must call Guldmann or your distributor for an authorization to return any defective item during the warranty period. If your distributor is unable to correct your problem by telephone, you will be provided with a return authorization number and address for returning the defective item for warranty service or replacement. You must insure any defective item being returned because Guldmann does not assume the risk of loss or damage while in transit. Do not return items or warranty service to Guldmann.

The warranties set forth are 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 take 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 and should not be relied upon as such. The warranty gives you specific legal rights, and you may also have the other rights which vary from state/country.

Time to care



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