

Liko™ overhead lifts

Design and planning guide



Enhancing outcomes for patients and their caregivers:

Hill-Rom

Safe Patient Handling

Safe patient handling and mobility involves the use of assistive devices to ensure that patients can be mobilised safely and that care providers avoid performing high-risk manual patient handling tasks. Using the devices reduces a care provider's risk of injury and improves the safety and quality of patient care¹

At Hill-Rom we believe every instance of patient mobility is an opportunity to provide safe movement. Patient lifting, repositioning, transferring, and transporting can be executed in a safer manner when properly utilising SPH solutions from Hill-Rom.

Hill-Rom partners with healthcare institutions worldwide to assist in the design and planning of a custom lifting environment. The Liko portfolio of solutions includes overhead, mobile and sit-to-stand lifts along with over 300 accessories, which meet the needs of most patients, lifting situations and care environments. From paediatric to bariatric, critical care to rehabilitation, the Liko portfolio offers solutions for all patient handling needs.

Liko overhead lifts

An overhead lift system should be easy to use and readily available for caregivers to handle patients safely, and its installation requires careful consideration.

In an ideal world, architects and planners should work closely with the clinical team in the initial planning stages to understand the lifting situations and expected paths of transfer (e.g. bed to chair, bed to bathroom or repositioning of the patient).

To facilitate the installation of an overhead lift system, it is essential to know the underlying technical specifications and prerequisites in the environment in which the system will be installed.

To create an optimal lifting system, the following should be considered:

- Desired clinical outcome
- Level of acuity
- Patient dependency
- Need for support of patients of size
- Patient transfer/repositioning/lift needs
- Local regulations and policies e.g. safe lifting
- Is the room a "wet area"?
- Aesthetic expectations
- Room spatial configuration and requirements
- Other room equipment impacting installation/use of lift system
- Structural considerations (e.g. wall materials, obstacles, electrical source, mounting and installation)
- Financial ROI (Return On Investment) and budget

1. <http://www.publichealth.va.gov/employeehealth/patient-handling/index.asp>



Design and layout options

Ceiling lift systems from Liko are available with two main installation options:



1. Fixed rail

A fixed rail installation is ideal when you want to move a patient between two fixed points, for example, from a bed to a toilet. The rail can be straight or curved, and be installed with unobtrusive support legs, which are attached to a nearby wall. Note that a curved rail always requires a ceiling installation. In many care settings, a fixed rail is a simple, efficient and economic choice.



2. Traverse system

A traverse system consists of a moveable rail mounted on two fixed rails. It is often the most versatile solution, as it provides a greater freedom for lifting and movement versus a fixed rail system.

It is possible to connect the traverse rails with switches, enabling transfers between different rooms. Another advantage is that the lift automatically centres itself when lifting. The traverse system offers a greater ease-of-use and flexibility for patient care.

Planning, design and installation

1. Planning phase considerations:

- The type of rooms that are targeted for ceiling lift installations e.g. ICU, MedSurg, LTC
- The type of lift system required e.g. straight rail, traverse system, traverse system connected to bathroom system
- The percentage of rooms requiring lift systems, as well as those requiring bariatric lifting capabilities

2. The design phase

Preliminary design – When completing a preliminary design, you can use typical system designs shown later in this guide, or found on the Construction Portal website below.

If needed, Hill-Rom can provide a preliminary lift system layout in AutoCAD to overlay onto any building plans. Hill-Rom also offers standard room configurations in Revit which can be found on the Construction Portal at:

<https://construction.hill-rom.co.uk/>

Request For Quote (RFQ) – If requesting a quote from Hill-Rom, please provide building plans in DWG or Revit format for all rooms requiring lift systems. If available, provide floor plans, RCP (Reflected Ceiling Plans), interior elevation details and building sections.

Recommendation:

Hill-Rom recommends incorporating the lift system layout prior to designing the ceiling installation. Lift systems are typically aligned with the false ceiling grid and in some cases recessed into the false ceiling. They will require coordination with lighting, diffusers, sprinklers and other such equipment.

3. Shop drawings and final coordination

During this stage there will be:

1. Revision phase (if necessary)
2. Shop drawings for project coordination process
3. Final drawings and approval
4. Installation (after final approval)

4. Installation

Note: Installation must be performed by a Hill-Rom certified installer in accordance with Liko specifications and applicable building codes.

- Standard installation by Hill-Rom includes an installation schedule, to be determined based on mutually agreed plans prior to start
- The team will participate in project-related pre- installation meetings/calls per request
- Installation includes labour, attachment material, lateral bracing, and final load testing
- Charging station(s) installed as per plans
- Written load test report(s) certifying the lift system(s) ready for use

Customer responsibilities

- Verification of the integrity of the building structure to support the lift, certifying that said structure can support the weight of the lift system point loads
- Installation of electrical mains to provide power to the Liko ceiling lift charger station(s)
- Certified engineering drawings, analysis and calculations
- Removal or relocation of electrical devices, lights, vents, alarms, privacy curtains/rods/tracks, sprinkler system components, etc.
- Re-application of any fire retardant material removed during lift installation, patching and/or painting work

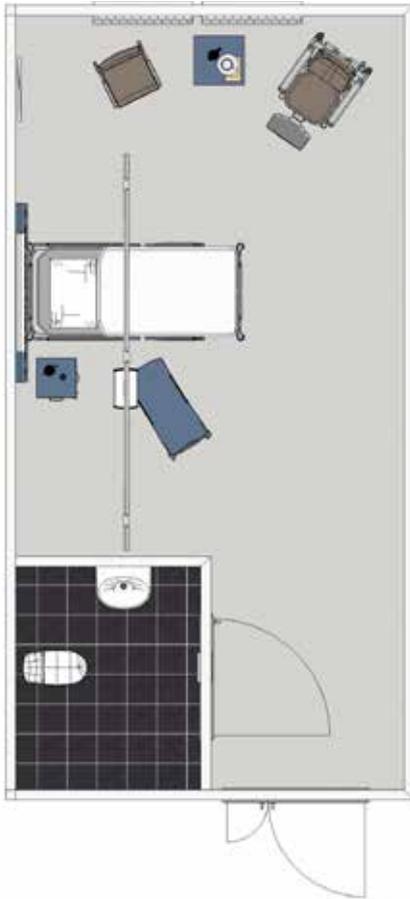
Ceiling lift coverage recommendations*

Clinical Unit/Area	Ceiling Lift Patient/Bed Coverage	Preferred Track Configuration
Medical/Surgical Unit	50-100%	Traverse
Post-Surgical Unit • Provide one supine sling and hanger bar system for unit	50-100%	Traverse
Rehab Unit • Consider installing straight track down hallway for ambulating patients. • Provide one supine sling and hanger bar system for unit	50-100% If unit is primary neuro rehab, provide a minimum of 70% coverage. For new construction or rooms large enough for ambulation within rooms, provide 100% coverage to assist in gait training, etc...	Traverse
MICU	100%	Traverse
SICU	100%	Traverse
CCU	50%	Traverse or Straight
ICU (combined MICU/SICU/CCU)	100%	Traverse
Nursing Home/Long Term Care	70-100% Less coverage may be provided for primarily dementia units	Traverse (Into Bathroom)
Haemodialysis • Ceiling lift coverage is required in areas where lateral transfers from stretchers or inpatient beds to dialysis beds occur	50-100%	Straight or Traverse (One straight track over several bays in a row would be appropriate)
Radiology (X-ray, CT, etc...) • Overhead/ceiling lift system must be compatible with ceiling mounted radiological equipment • Careful consideration is required to avoid conflicts between ceiling lift tracks and gantries in radiology rooms with traverse ceiling-mounted equipment	50%	Straight or Traverse
MRI	100%	Straight (Located in adjacent MRI patient transfer area)
Nuclear Medicine	50%	
Procedure areas (GI, cystoscopy, etc...)	100%	100% • (Positioned as needed)
Cath Lab	100%	Traverse or Straight
PACU	100%	Straight (If possible, extended over all beds in a row using one lift system per row)
Operating Room • Ceiling or wall-mounted equipment in ORs require careful consideration between lift tracks, traversing lift motors, and other equipment suspended from or mounted on ceilings and walls	100%	Traverse
Physical Therapy Clinics	100%	Multiple but separate traverse systems covering specific areas, such as parallel bars and treatment tables. Preferred Design Straight Track installed over parallel bars, traverse track system covering treatment tables and activity areas. Alternate Design
Spinal Cord Injury	100%	Traverse into bathroom
Outpatient SCI clinic exam/treatment rooms	100%	Traverse
Outpatient/Primary Care Clinics	Depending on patient population, one or more regular and/or one expanded capacity/bariatric lift	Traverse
Emergency Department/Urgent Care exam rooms	50-100%	Traverse over multiple bays in a row or in private rooms. Preferred Design Straight track over several bays in a row or in private rooms. Alternate Design
Ambulance Bay	Depending on patient population, one regular and/or one expanded capacity/bariatric lift under canopy in ambulance bay	Traverse (Ensure proper coordination of ceiling lift track with entrance doorways)
Dental	Depending on patient population, one regular and/or one expanded capacity/bariatric lift	Straight or Traverse
Paediatrics	20%	Traverse
Morgue • Expanded capacity lift with minimum weight capacity of 600 lbs or greater depending on patient population characteristics. • Include supine lift frame in purchase	100%	Traverse or Straight (Lift system should be able to assist in inserting and extracting trays into cooler as well as lifting and moving bodies into and within autopsy suite.)
Nurse Training Area	One	Straight

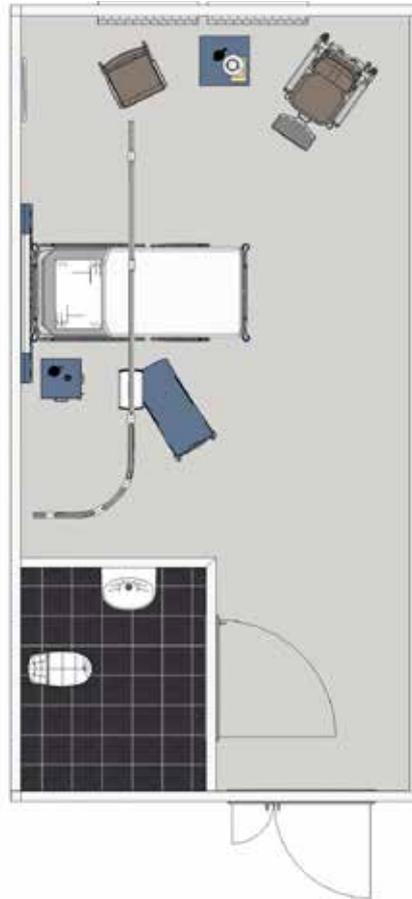
* Above are ceiling lift coverage recommendations² by clinical unit/area. These recommendations should be considered advisory and are not intended to be used as regulatory or accreditation requirements. The information in this table however, may be used to support overhead lift recommendations with consideration of patient needs by clinical unit/area. Insufficient coverage of patients or clinical unit/area presents a risk of injury for caregiver or patient.

Ceiling-mounted lift system configuration options

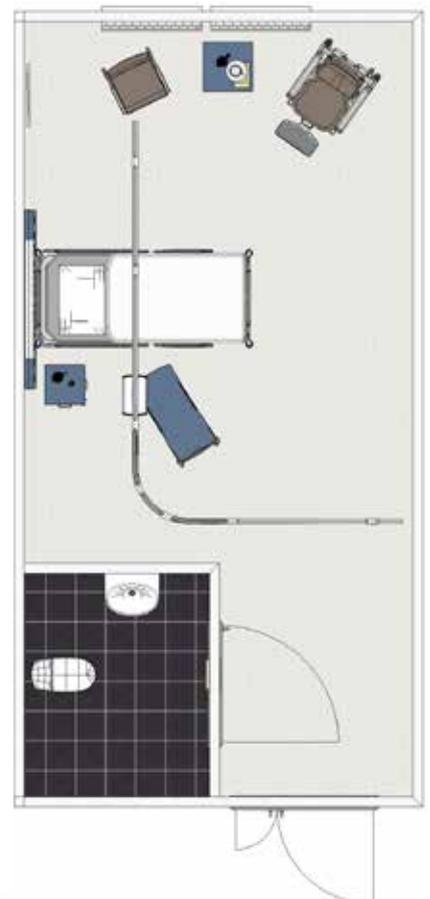
Basic single rail



Basic single rail curving into headwall



Basic single rail curving into opposite wall



Basic single rail



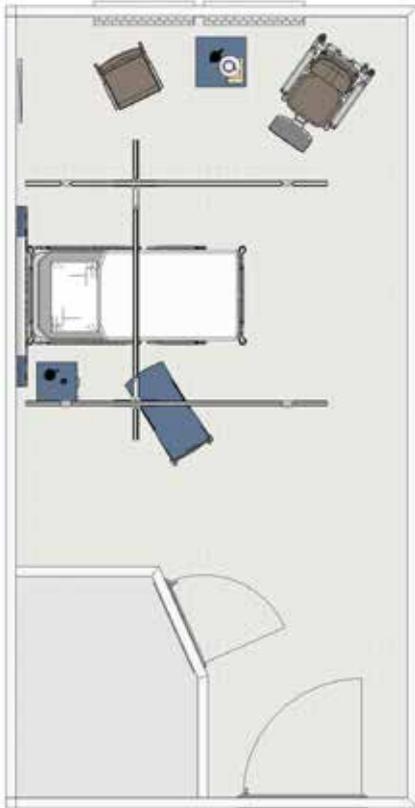
Curving into headwall



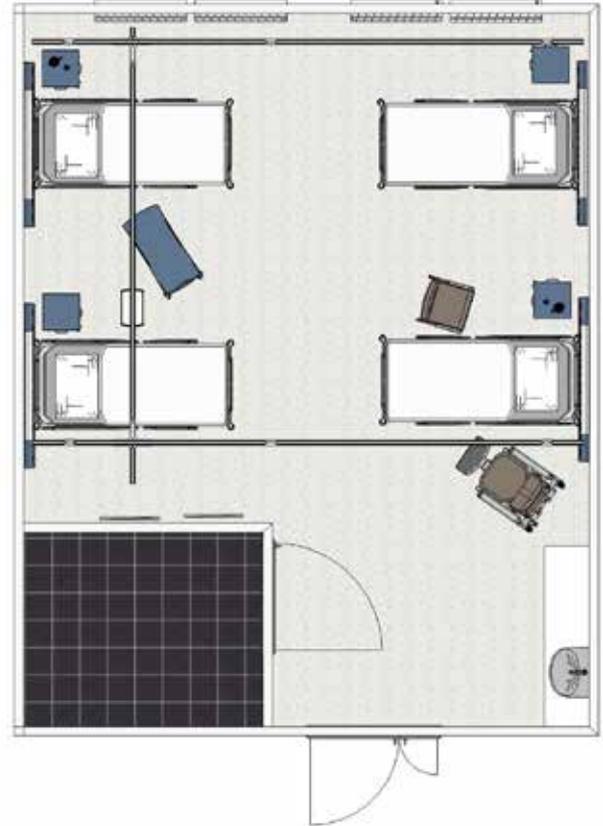
Curving into opposite wall

A basic single rail lift system accommodates lifting directly below the rail. It is used to lift and move patients between two fixed points. The inclusion of a curve in the rail system is also possible, and allows for optional storage for the motor, into for instance a headwall or cabinet. Above are examples of ceiling-mounted, standard single rail lift system configurations.

Traverse system single bed



Traverse system multiple beds



Traverse system single bed



Traverse system multiple beds

A traverse lift system consists of one traversing rail mounted on two fixed rails. This design covers a greater area for lifting, versus a basic single rail system.

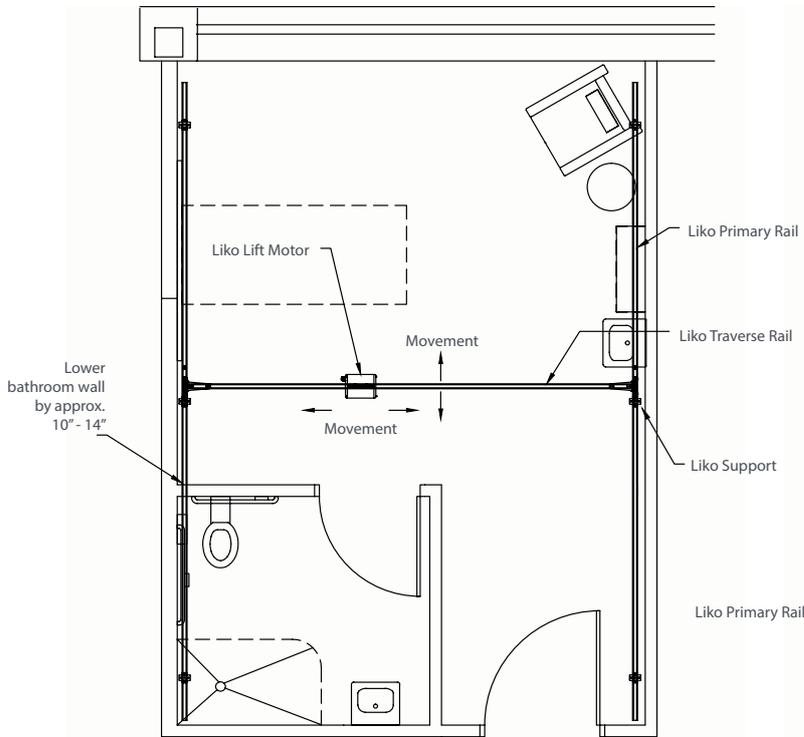
As with other ceiling mounted rail systems, the traverse system allows for optional storage for the motor, into for instance a headwall or cabinet.



Ceiling-mounted lift system configuration options

Option A: Basic traverse patient room and bathroom

Option B: Turntable connection into bathroom



Lowered bathroom walls to allow the secondary rail to pass



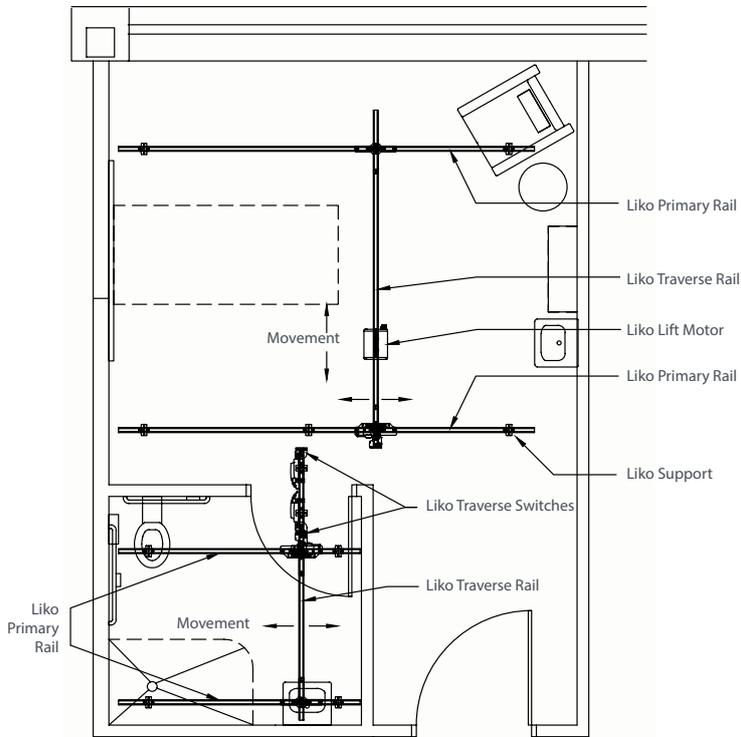
Turntable connection into bathroom

Above are examples of ceiling-mounted traverse rail systems providing complete room coverage in a patient room and bathroom. Option A provides full coverage, but requires the bathroom walls to be lowered 20 - 40 cm. This option works well with a new construction project, and is an alternative to the use of switches or a turntable as shown in the other images.



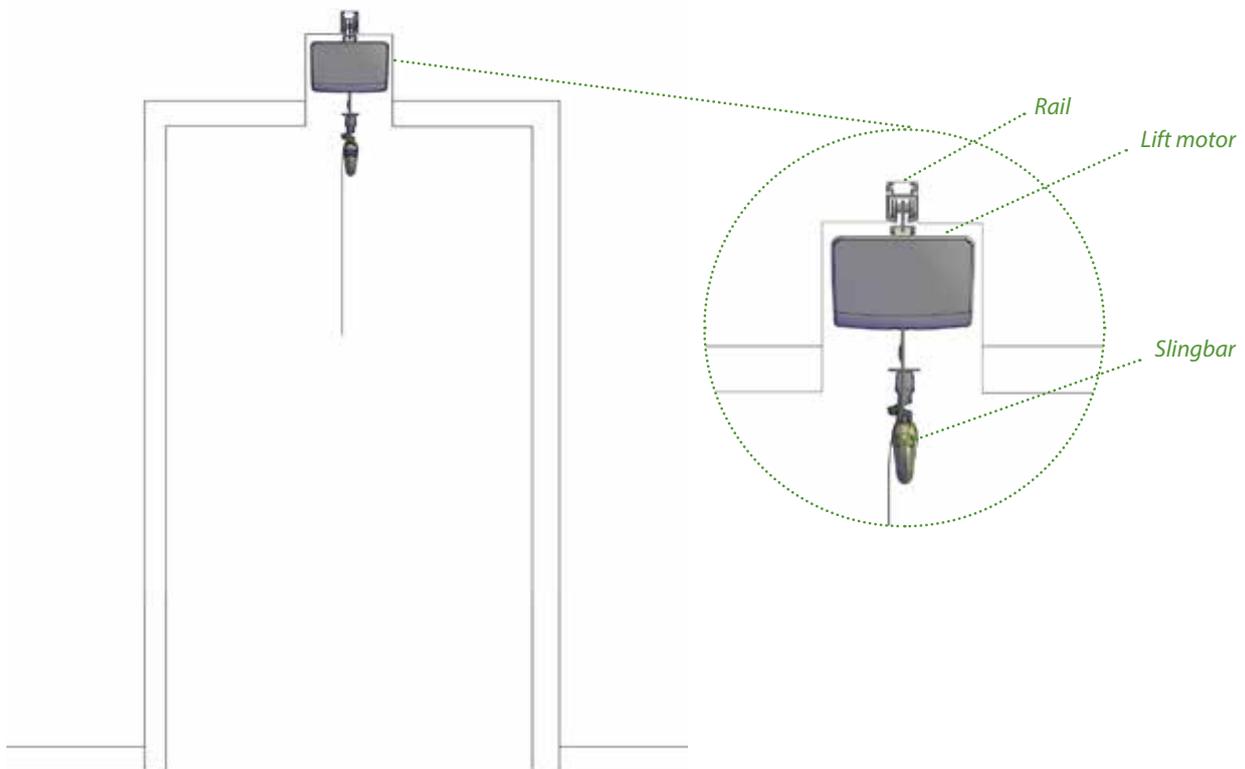
Turntable

Option C: Traverse switch between patient room and bathroom



Recommended custom doorway application

Image below illustrates how the motor can pass in an opening made above the door.



Bariatric care considerations

In order to raise awareness of the care requirements of plus-sized patients, adequate planning and designing of appropriate lift systems is recommended.

There are additional considerations in caring for patients of size beyond the higher lifting capacity.

According to the World Health Organisation (WHO), worldwide, the prevalence of obesity nearly doubled between 1980 and 2008. Country estimates for 2008 state that over 50% of both men and women in the WHO European Region were overweight, with roughly 23% of women and 20% of men being obese. Based on estimates in the EU, 30-70% of the population are overweight, with obesity affecting 10-30% of adults. In addition, there has been a steady increase in the number of overweight infants and children, with projections that over 60% of children who are overweight before puberty will be overweight in early adulthood.³

Although the care needs of patients of size are much the same as those of average weight, they involve greater planning, taking into consideration spatial requirements, as well as special working techniques and resources, to ensure the dignity of the patient is maintained. By installing a bariatric ceiling lift system, caregivers will have the capability to perform patient handling tasks safely and more efficiently, versus performing the same tasks manually.

Conducting basic handling tasks such as repositioning/transfers or showering/bathing requires additional staff and greater risk of injury for both the patient and caregiver. The manual execution of these tasks may be experienced by the patient as being uncomfortable or invasive.⁴ By utilising a ceiling lift system designed for bariatric care, patient handling tasks may be performed with fewer staff, reducing the risk of caregiver injuries and patient falls.

As obesity is responsible for 2–8% of health costs and 10–13% of deaths in different parts of the European Region⁵, the effective design and planning of bariatric care facilities can positively impact the cost and quality of care, staff and patient safety, morale and accessibility.

The Facility Guidelines Institute's (FGI) Patient Handling and Movement Assessment (PHAMA): A White Paper is an ideal resource for design teams looking to incorporate patient handling equipment into the healthcare environment. The PHAMA has two distinct yet interdependent phases. The first phase includes a patient handling needs assessment which identifies appropriate equipment for each service area in which patient handling and movement occurs. The second phase includes definition of space requirements



as well as structural and other design considerations that accommodate the incorporation of patient handling and movement equipment.⁶

The 2010 FGI Guidelines include recommendations such as:

- Private room, with a minimum clear floor area of 18,6 m² (renovation exclusion is 14 m²);
- A minimum clearance of 152 cm on both the sides and foot of the bed;
- Equipment and supply storage not less than 2.3 m² per patient bed.

Bariatric accommodations in staff and patient interaction areas including: assessment areas, rehab areas, food service areas, family interaction areas, diagnostic & treatment areas, surgical and Pre/Post-Operative care areas, rest rooms and waiting and family lounges.

3. <http://www.euro.who.int/en/health-topics/noncommunicable-diseases/obesity/data-and-statistics>

4. "The impact of staff behaviour on patient dignity in acute hospitals.", Lesley Baillie, PhD, MSc, BA, RGN, VOL: 103, ISSUE: 34, PAGE NO: 30-31

5. <http://www.euro.who.int/en/health-topics/noncommunicable-diseases/obesity/obesity>

6. Cohen MH, Nelson GG, Green DA, Leib R et al. Patient Handling and Movement Assessments: A White Paper. Dallas, TX: The Facility Guidelines Institute; 2010

Liko bariatric solutions

Lifting patients of size requires specifically designed equipment and additional consideration for working techniques. Liko ceiling lift systems offer a maximum lifting capacity of 500 kg.

Liko UltraTwin™ system

Liko developed the UltraTwin system, understanding the issues surrounding the issues of lifting patients of size.

There is a great variation in the body shape of patients of size depending on height, weight, and the distribution of that weight. Individual considerations include the size of skin folds, abdomen (pannus), and different body parts. For instance, patients of size may be compressed by a sling attached to a single motor, which might not accommodate the girth of the patient's abdomen.

The Liko UltraTwin system, with two motors attached separately, accommodates the extra girth common with plus-sized patients, mitigating pressure on the individual's chest and ensuring optimal positioning. The Liko UltraTwin system is suitable for patients up to 500 kg.

The system consists of twin lift motors, specialty slings that accommodate non-standard patient weight and an optional UltraTwist™ accessory, providing the ability to rotate an individual 360 degrees.

The UltraTwin system also offers easier positioning of the patient, as they can be placed upright.



LikoGuard™ overhead lift

The LikoGuard represents the evolution of safer lifting in the next generation of single motor overhead lifts.

Features incorporated into the design and operation of the LikoGuard overhead lift ensure ease of use and reliable functionality for caregivers. The combination of extensive rigorous testing along with the intuitive, unique construction of the SlingGuard™ sling bar and updated hand controls offer a safer overhead lifting system that minimises user errors.

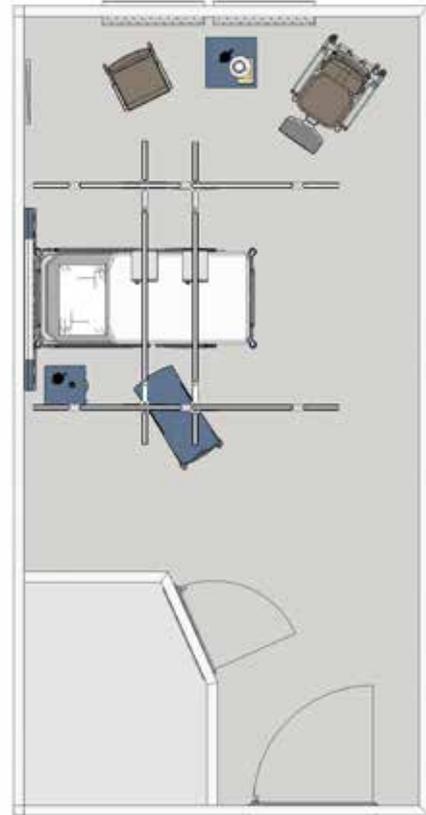
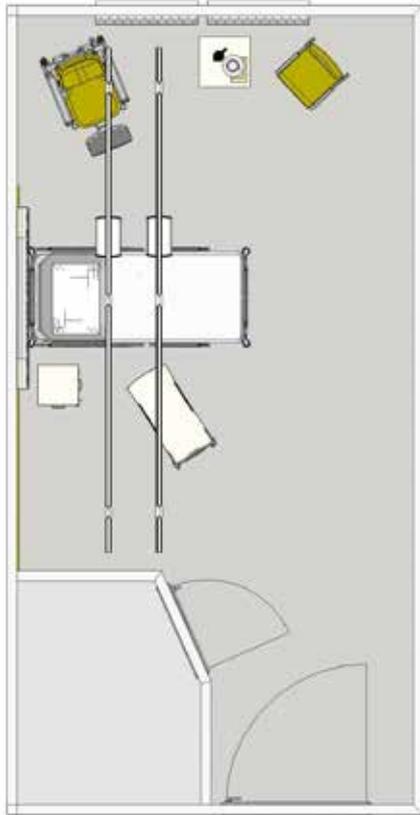
The LikoGuard lift, with a Safe Working Load (SWL) up to **272 kg** (model L) and **363 kg** (model XL), supports the transfer and movement of patients and residents of varying weights. The optimal performance and consistency of LikoGuard lift motors and high SWL contribute to safe patient handling with fewer injuries among healthcare workers.



Bariatric care - UltraTwin system options

UltraTwin system ceiling mounted

UltraTwin system traverse ceiling mounted



Ceiling mounted

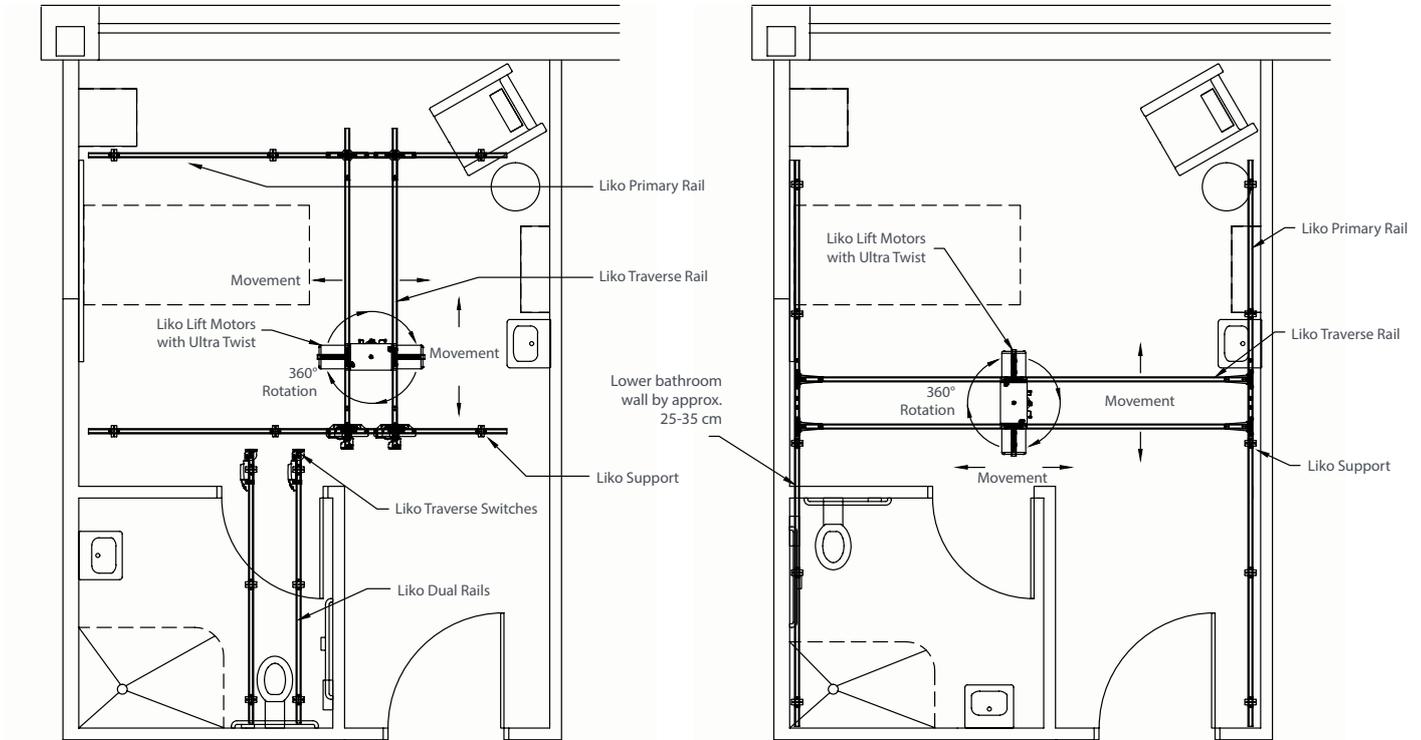


Traverse ceiling mounted

The UltraTwin system was designed specifically for use in bariatric care settings. A two-motor system offers comfort for plus-sized patients during lifting procedures. Utilising two motors, the caregiver can adjust the head-to-chest section independently from the mid-to-lower section, mitigating possible compression of the patient.

UltraTwin system (with UltraTwist option)
traverse bathroom coverage with switch connection

UltraTwin system (with UltraTwist option)
traverse bathroom coverage



UltraTwin set-up charging option



The UltraTwist accessory can be added to any UltraTwin system, offering caregivers the ability to rotate the patient 360°

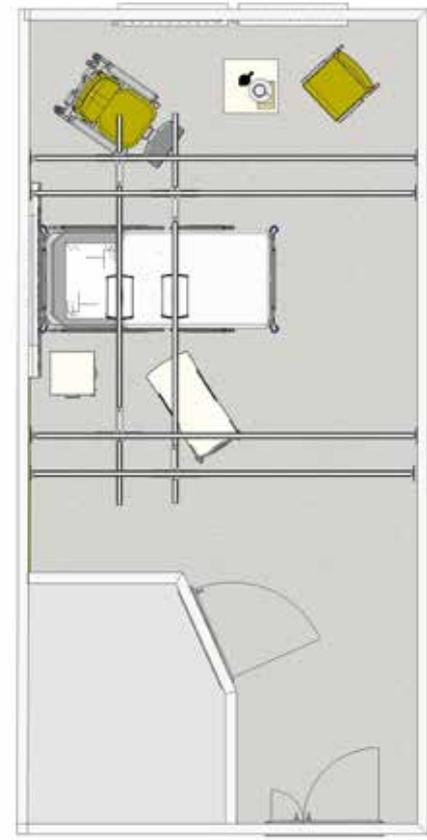
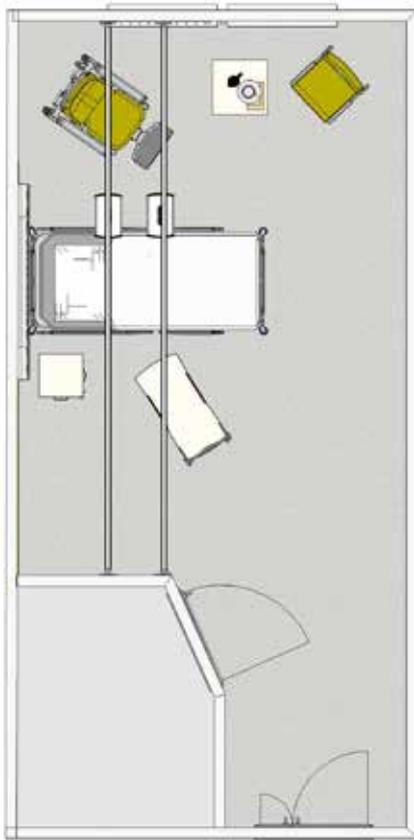


Liko Guard Single motor bariatric system

Bariatric care - UltraTwin system options

Wall mounted straight rail system

Wall mounted traverse system



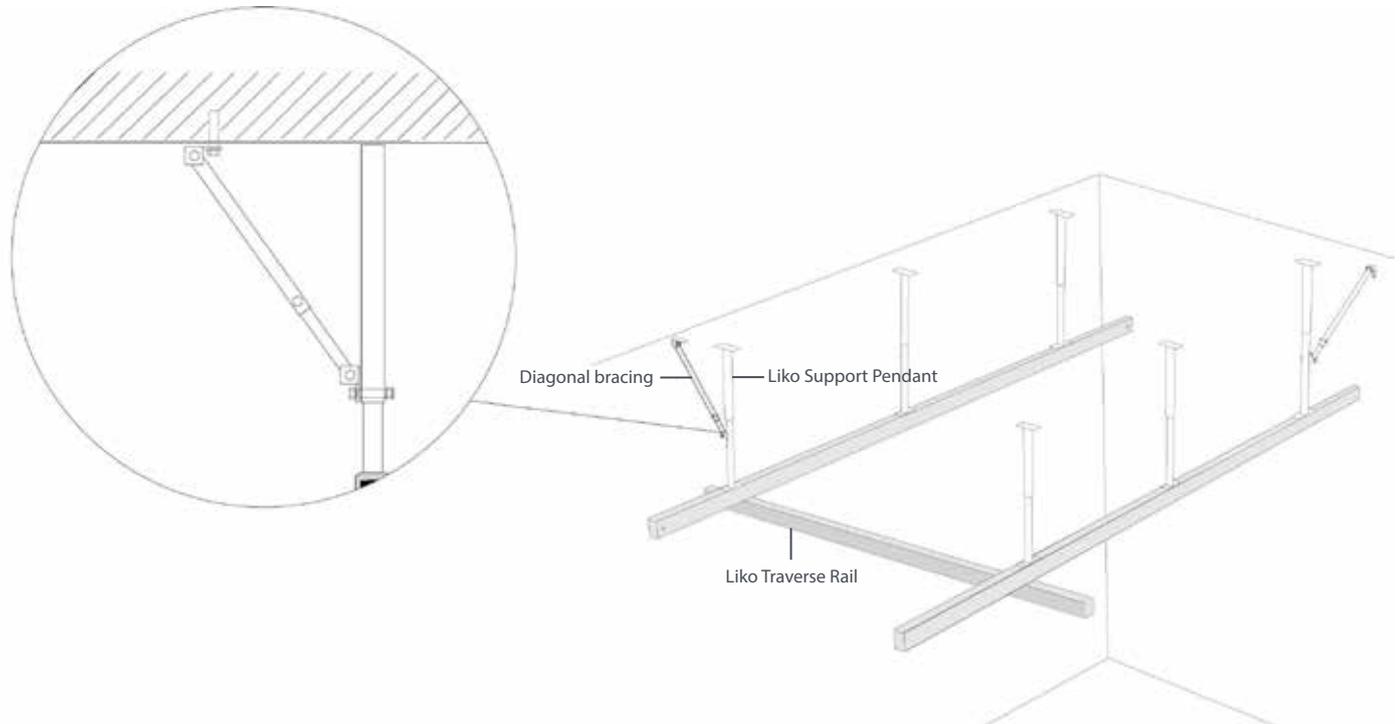
wall mounted straight rail system

wall mounted traverse system

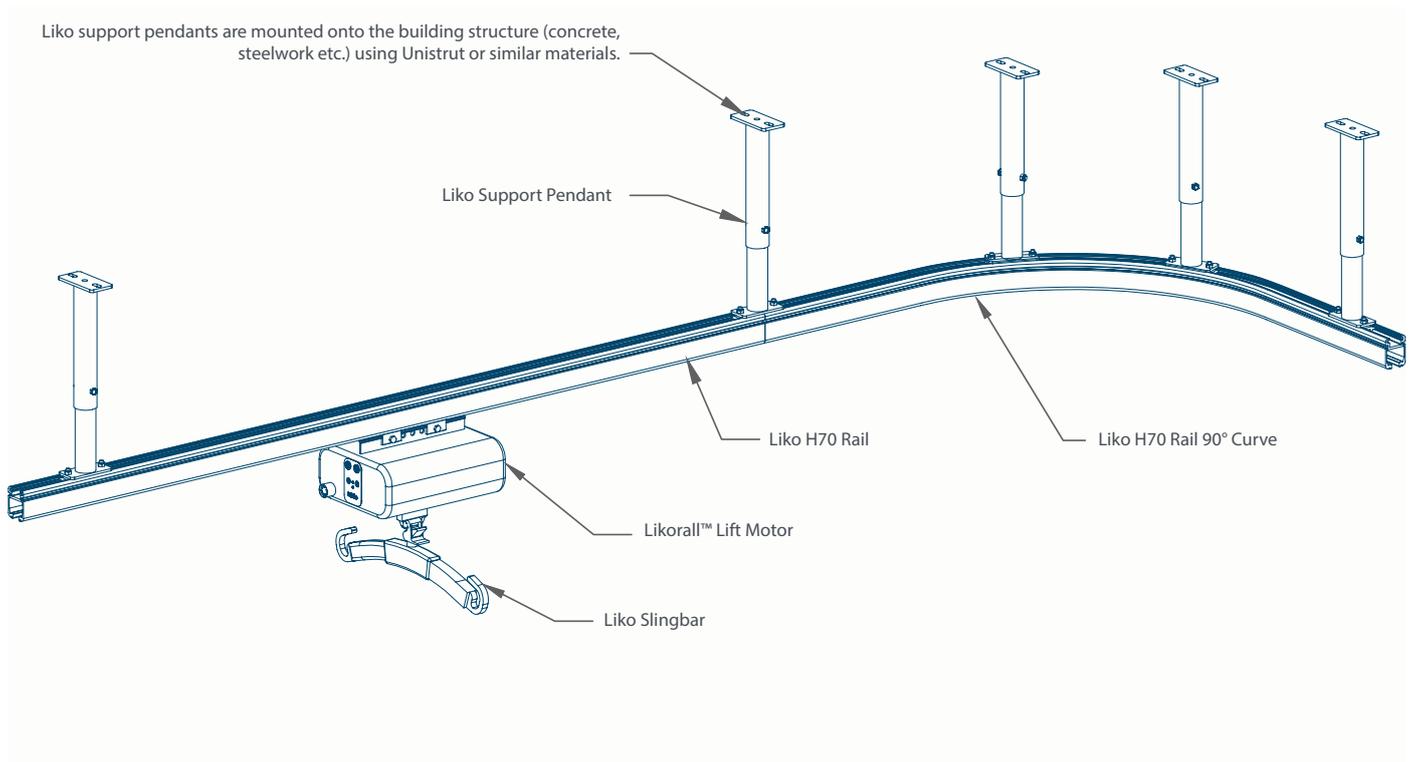
Above are examples of wall mounted bariatric care configurations, an alternative to ceiling mounted configurations.

Liko overhead system components

Example of an acute care traverse system assembly



Example of an acute care single rail "J" track system assembly



Liko overhead lift motor options



Multirall 200

The Multirall™ 200 is a portable overhead lift with a maximum load of **200 kg** that can also be used for room-to-room patient transfers—with just one lift motor. Its portability makes it an excellent and economical solution for care situations where lifting needs are temporary.



LikoGuard L/XL

LikoGuard is a family of overhead lifting motors, designed to provide safety you can trust and the performance you need. LikoGuard L has a maximum load of **272 kg** and XL a maximum load **363 kg**. Both lift motors feature a lithium-ion battery, easy-to-reach manual lowering and emergency stop, an IPX7-approved hand control with optional graphical display, lift counter and the possibility of in rail charging.



Likorall 200
Basic model



Likorall 242S/ES and Likorall 242S/ES R2R
Optional mechanical emergency lowering

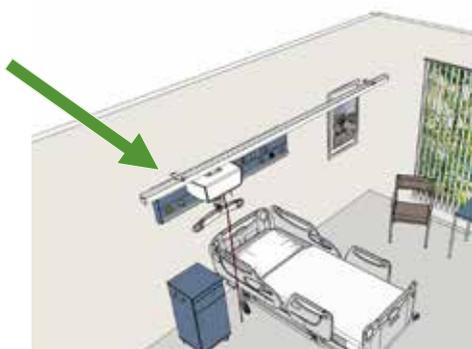


Likorall 250ES and 250S IRC
Optional in-rail charging

Likorall™

Likorall is a family of overhead lifting motors with a lifting capacity from **200 to 250 kg**. The combination of unique technology, operational reliability and ease-of-maintenance, together with the wide range of Liko accessories, makes it possible for Likorall to accommodate almost any lifting situation. All models are equipped with a patented safety drum, electrical emergency lowering and stop, lift strap with 10-fold safety margin and safety squeeze protection.

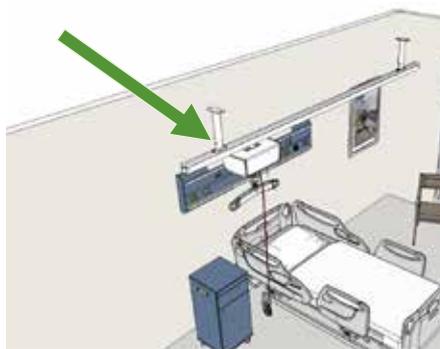
Liko overhead lift system attachments



Flush against a concrete ceiling

With a concrete ceiling, fixtures can be installed directly. A variety of fasteners are available to make installation easier.

A noise-dampening ceiling bracket can be used to minimise the spread of vibrations in the rail.

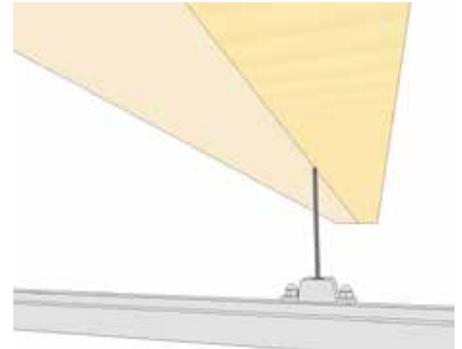


Pendants in a concrete ceiling

Another option is to install the rail under a false ceiling, with pendants from the concrete ceiling.

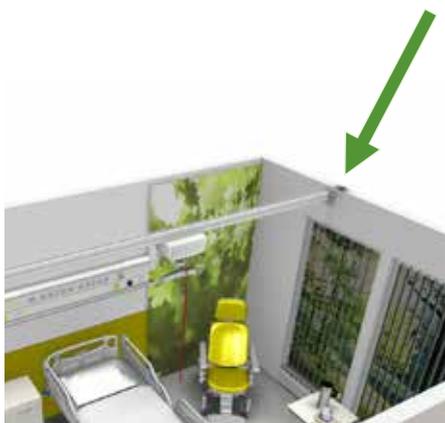
Pendants may also be utilised in the event that the ceiling is very high or if light fixtures block the rails.

Pendants are available in lengths of up to 2100 mm.



Wood joist ceiling

Wood joists are common in private homes. The rail is first suspended on pendants with a threaded steel rod attached to the ceiling, then mounted under a false ceiling.



Wall brackets

Wall bracket installations are an option in a room with concrete walls, where ceiling installation is not possible. They are also an option in rooms with framed plasterboard walls.



Upright support

Another alternative when ceiling installation is not possible is an upright support. It has a minimal impact on the space and is easy to remove when the lift system is no longer needed. The upright support option accommodates surface-mounted pipes as well as existing skirting boards.



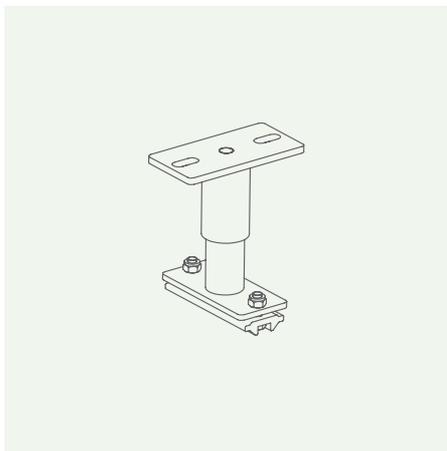
Freestanding

A freestanding system can be used instead of a fixed overhead installation, allowing you to test an overhead lift without having to make alterations to the room. It offers an ideal solution when the lifting need is temporary and has no structural requirements on the ceiling or walls.

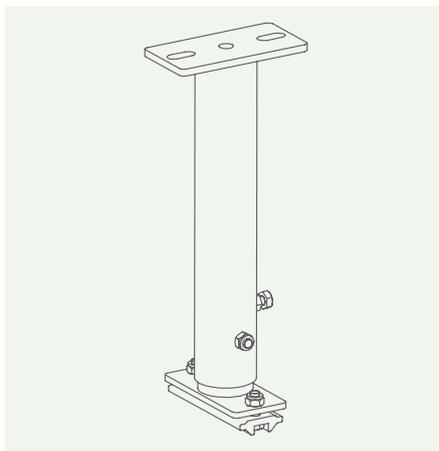
Lift system components

Pendants

An ideal solution for a room with a high ceiling, suspended ceiling or where ceiling-mounted sprinkler systems or lighting might be an obstacle.



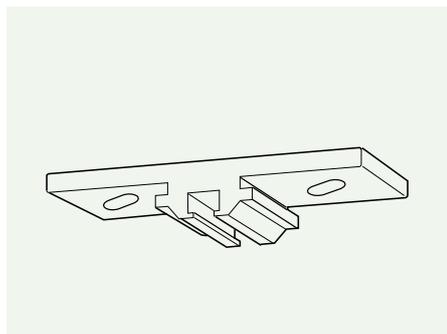
Pendant (adjustable): 90 – 310 mm



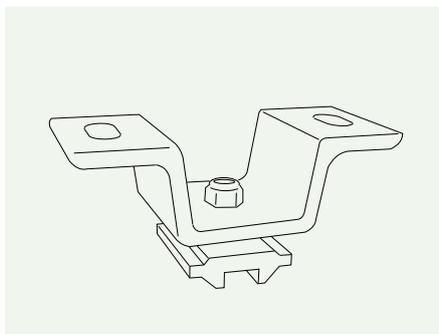
Pendant (adjustable): 300 – 2100 mm

Ceiling Bracket/Threaded Rod

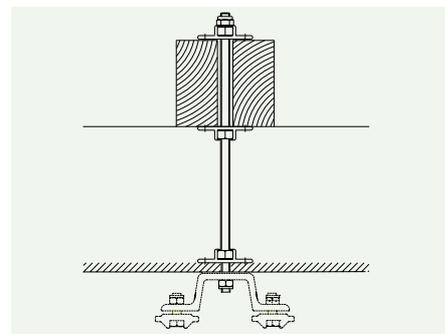
Ceiling brackets are developed for ceilings with very few or no obstacles. Threaded rods are used mostly for attachments to wooden beams.



Concrete applications



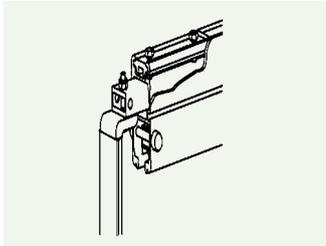
Concrete or wood applications



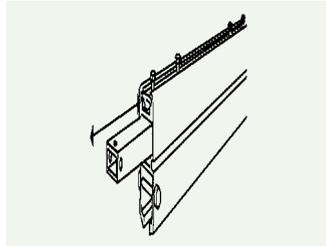
Wood or steel applications

Wall Bracket/Upright Support

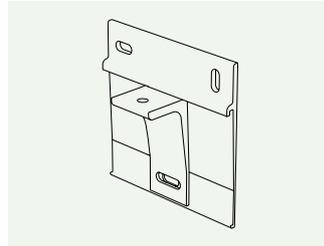
Rail attachment components for a suspended lift system are typically either wall brackets or upright supports. For both of these solutions, bayonet rails are necessary for the connection between the attachments and the rail.



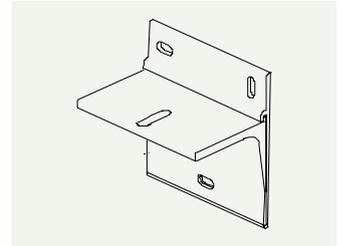
Upright Support



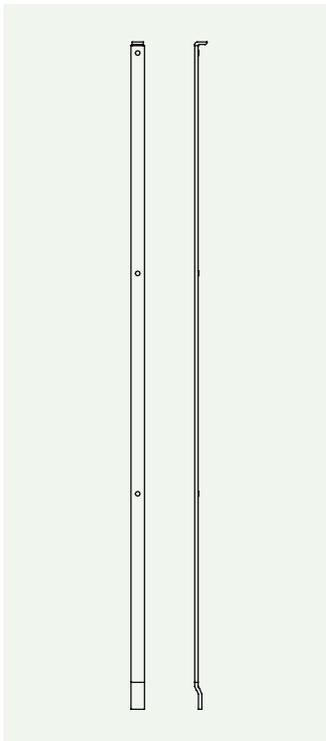
Bayonet Rail



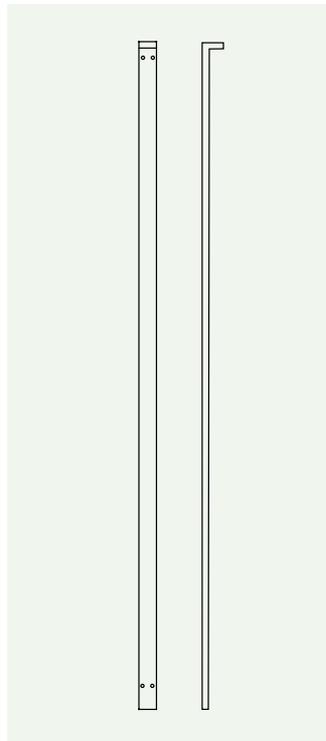
Wall Bracket – Turntable



Wall Bracket – Parallel



Slimline Upright Support
Max. Load 250 kg

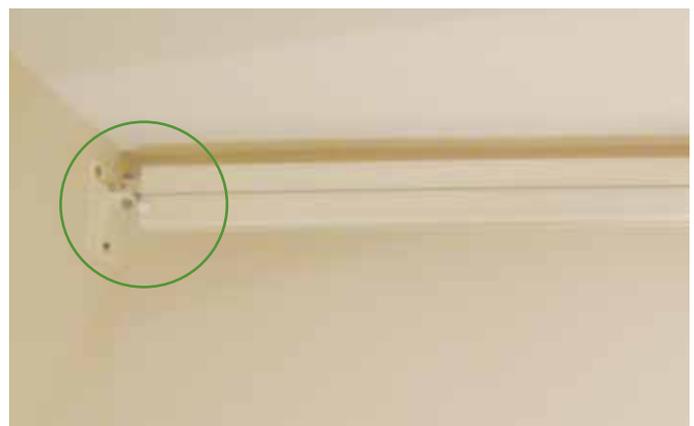


Upright Support
Max. Load 250 kg

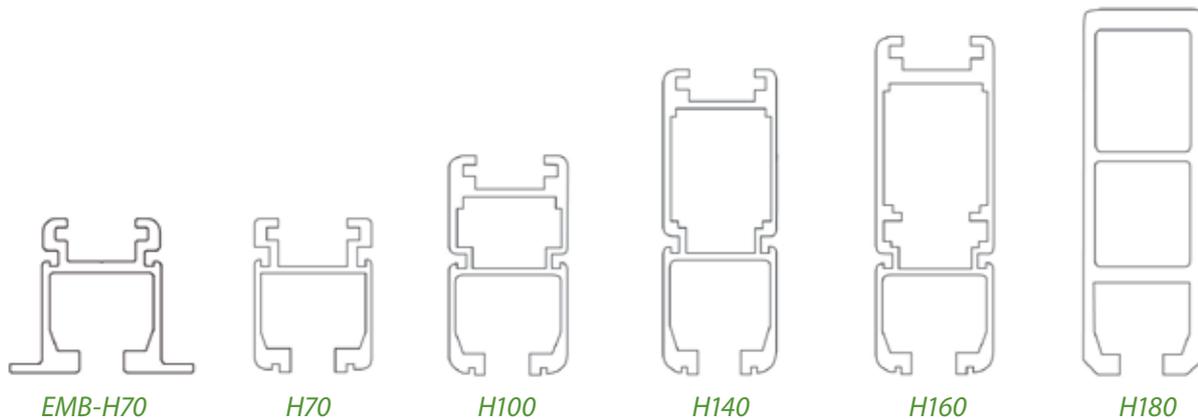


Wall Bracket/Upright Support Installation

Installation with upright supports is ideal when neither the ceiling nor the walls can support the weight of a rail system or when the wall material is unknown. Upright support installation results in minimal changes to the space, and can be easily removed.



Lift system components



Rails

Lift rails from Liko are made of aluminium, and available in two colours (natural aluminium or white RAL9010), ensuring installations blend more easily with the interior

Rails are available in five different heights from 70 mm to 180 mm (shown above) with different weight-bearing capacities. The distance between the fixture points, as well as the required weight-bearing capacity, determine the choice of rail profile (height). Wide intervals between fixture points demand a deeper profile, while a ceiling-mounted rail with a short distance between fixture points can have a lower profile (for example H70).

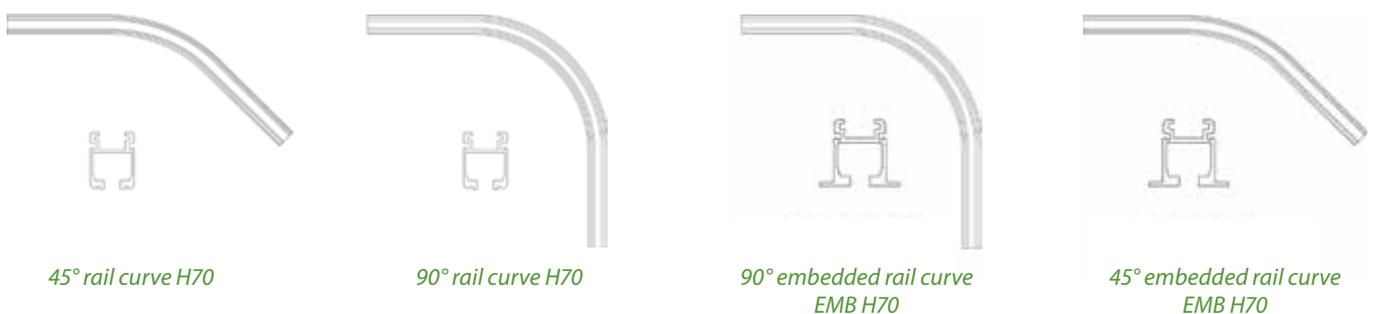
H70 is the most economical choice and offers a full range of switches and curve components. EMB-H70 is used for installations where the rail is to be embedded in a drop-down ceiling. Embedded rails blend in more easily to the ceiling, offering enhanced aesthetics.

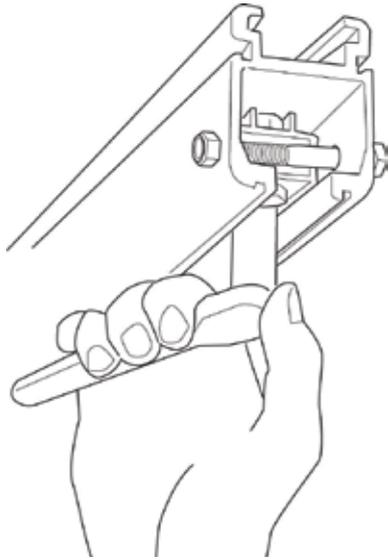
Keep in mind that individual rail systems from Liko have varied operational requirements. Contact a Liko representative for more details.

- Switches and turntables only work with an H70 rail profile
- 45° and 90° curves are only available with an H70 rail profile
- H180 cannot be pendant mounted
- H70 cannot be mounted with wall brackets or upright supports

Curves

Curves can be used in ceiling-mounted systems using an H70 rail profile, and are available in 45° and 90°. They are also available as embedded curves, which can be used in drop-down ceilings.





End stop

The end stop is hidden within the rail and is designed to stop the motion of the lift motor. It can be adjusted to limit the range of the lifting area. An additional safety feature of the end stop is the safety bolt, which prevents the motor from accidental detachment from the rail system.



Curtain supporting solutions

Liko has developed a selection of curtain supporting solutions that work in conjunction with overhead lift systems, providing enhanced privacy.

Solutions with switches



Traverse switch

Offers the ability to go from a fixed rail to a traverse system, for example, between different rooms.



Siderail switch

Facilitates switching between different rail systems. Options include manual or electrical control.



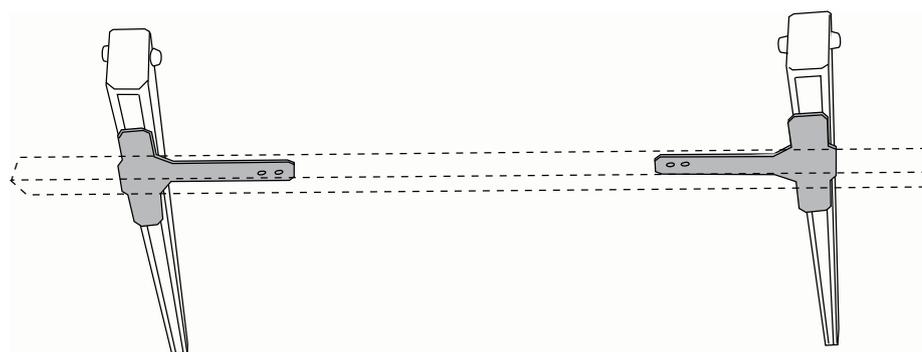
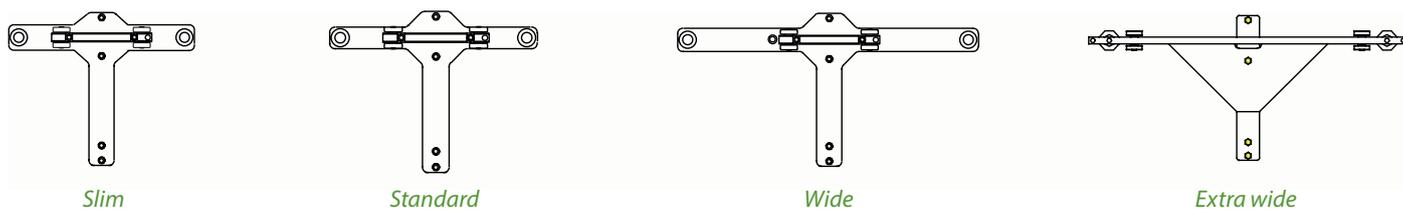
Turntable switch

With a turntable switch, users have the ability to select tracks in four different directions.

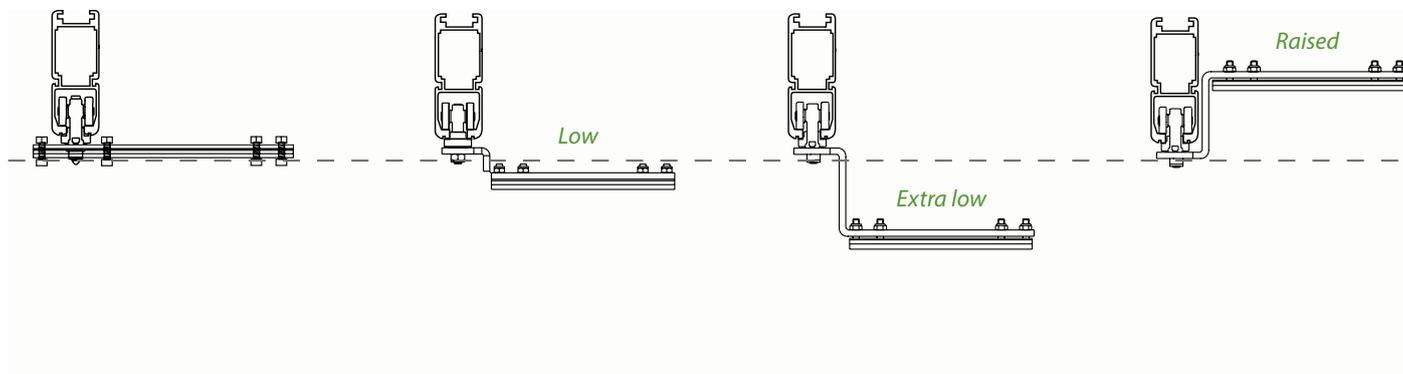
Lift system components

Traverse rail carriers

Liko offers a selection of traverse rail carriers for a variety of configurations. The distance between the fixed rails (which are the primary rails in a traverse system) determines the selected width of the traverse rail carriers. Selecting the correct width of the traverse rail carriers will ensure smooth and easy movement of the secondary rail.



Traverse rail carriers are available for both raised and lowered secondary rails, helping to avoid other objects in the ceiling, such as sprinklers or lamps and offering a more aesthetic solution.



Charging

Liko offers three charging options for ceiling lift motors, allowing users to select a solution that best suits their specific needs.



In-rail charging

Liko in-rail charging means that the lift unit is constantly charged along the complete rail system and is always ready for use.

It can be fitted to all standard Liko rail systems, as well as new or previously installed rails.



MultiStation – charging on the rail

The MultiStation offers on-rail charging and allows the caregiver to manoeuvre rail switches and turntables via the motor's hand control. Charging takes place at a pre-selected point along the rail.



Wall-mounted charging station

With a wall-mounted charging station, the lift motor should be positioned above the charging panel, placing the hand control into the dedicated charging point. This panel is also equipped with hooks for hanging the slingbar and sling, and is available as a separate modular product (see image on the right).



Slings and lifting accessories

An extensive assortment of slings and lifting accessories is available from Liko to suit a range of lifting requirements and special needs, from basic to highly specialised, including slings for repositioning, sitting, horizontal, walking, and bariatric care. Available in a range of sizes (XXS to XXXL), with different fabrics, Liko features slings that meet every need.

When it comes to lifting accessories, Liko has a selection designed to support and enhance Safe Patient Handling (SPH). From different models of the universal slingbar to quick disconnect options, padded cases to the digital LikoScale™, Liko accessories are compatible with all Liko lifts.



Original Soft Highback



Ultra Sling



RepoSheet®



Multi-Strap



Quick release carriage



Paddy Cover



LikoScale

Slingbars

Liko slingbars are suitable for a variety of lifting situations and patient needs.



Universal slingbar 350



Universal slingbar 450



Universal slingbar 600



Universal slingbar 670 twin



Cross slingbar



SlingGuard 450

The Hill-Rom Construction Portal

Safe, functional and aesthetic total room solution environments

The Hill-Rom Construction Portal is a powerful support tool for architects and designers of healthcare facilities. With a range of free, downloadable room layouts and DWG blocks as well as design specifications, videos and images, this valuable resource centre will help users create optimal facility designs for patients and caregivers.



To see the Hill-Rom Construction Portal in action, visit <https://construction.hill-rom.co.uk/>



A Total Room Solution™ from Hill-Rom

Hill-Rom provides a total integrated room solution to ensure safe, comfortable, and dignified care. Lift systems from Liko work together with Hill-Rom beds to assist patients/residents and caregivers with mobility challenges in hospitals and Long Term Care facilities. Furniture options allow for functional, flexible combinations to complement each hospital or resident bed, and include bedside cabinets, overbed tables, wardrobes, chests of drawers, desks, chairs, wall units and shelving.



Safe Transfers and Movement™ Program



Safe Transfers and Movement Program

An approach to Safe Patient Handling you can rely on. Overhead Lift Systems from Liko, in combination with the legacy of safe patient handling, and comprehensive clinical programs from Hill-Rom such as Falls Prevention, Progressive Mobility™ and Safe Skin™ offer solutions that enhance outcomes for patients and residents. Expert clinical staff from Hill-Rom provide a complete solution to Safe Patient Handling you can rely on to help in achieving goals for patient mobilisation.

The tools provided by our Safe Transfers and Movement Program, enable your care facility to develop and implement a Safe Patient Handling policy with support and optional training from Hill-Rom.

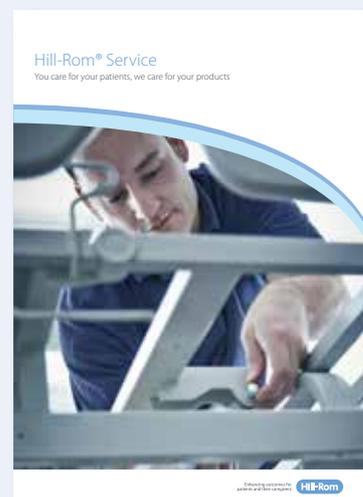
For more information contact your local representative or visit: <http://www.Hill-Rom.com/international>

Service

Hill-Rom Service - one supplier to meet all your needs

To optimise lifelong performance, we build serviceability into our Liko equipment beginning at the R&D stage. As your dedicated service provider we help you improve productivity and efficiency by optimising the maintenance of your equipment, minimising downtime and repair costs and facilitating compliance with local laws and Quality and Regulatory requirements.

Hill-Rom offers a variety of professional services, performed by certified service technicians, to meet all your maintenance requirements.



Hill-Rom is a leading global medical technology company with approximately 10,000 employees worldwide. We partner with health care providers in more than 100 countries by focusing on patient care solutions that improve clinical and economic outcomes in five core areas: **Advancing Mobility, Wound Care and Prevention, Clinical Workflow, Surgical Safety and Efficiency, and Respiratory Health**. Around the world the people, programs, and products of Hill-Rom work towards one mission: **Enhancing outcomes for patients and their caregivers**.

mobility is life ™

Hill-Rom is committed to the concept that mobilising people early and supporting their independence, improves life - in the hospital and at home.

Liko overhead lift systems are intended to be used for the lifting and transfer of patients in a variety of care settings. Liko slings are intended to be used in combination with Liko lifts for a range of lifting and transferring situations in a variety of care settings.

Class I

Manufacturer: Liko AB, Nedre vägen 100, SE-975 92 Luleå, Sweden

These medical devices are regulated health products which, pursuant to such regulation bear a CE mark. Hill-Rom recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices.

Hill-Rom reserves the right to make changes without notice in design, specifications and models. The only warranty Hill-Rom makes is the express written warranty extended on the sale or rental of its products.

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Doc. No: 5EN183309-03, 03 August 2016

Not all products/options are available in all countries.

For further information about this product or a service, please contact your local Hill-Rom representative or visit our webpage:

www.hill-rom.com

Enhancing outcomes for
patients and their caregivers:

Hill-Rom