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hospital cubicle track & safety device systems

SilentGliss®

Silent Gliss Hospital Cubicle Track Systems

For over 30 years Silent Gliss hospital cubicle track systems have been by far the most widely specified and installed systems in the UK hospital network and abroad. With Silent Gliss' policy of constant improvement many new features have been added to maintain its prominence as the best system available both aesthetically and technically.

Both the 6100 and 6103 systems share the same constructional features which give them rigidity and strength combined with great flexibility in layout whilst achieving a clean unbroken line in hospital wards. The top channel is designed to maximise connection positions and suspension variations. The dust cover strip reduces the risk of cross infection, a primary requirement in hospital wards.

Where both systems are functionally similar the 6100 has a classic narrow profile whilst the contemporary rounded profile of the 6103 lends itself well to colour coordination with other elements in the location.

6650 Safety Device System

In high risk areas Silent Gliss Safety Device System 6650 is available permitting the system to separate from wall or ceilings in incidences of misuse.
(Available with 6100 profile only.)

Principle components

6190 Hanger rod
Gives height and level adjustment by moving hanger rod within **6192** sleeve. When in position the hanger is firmly fixed to the rail by **6194** insert and to the ceiling by **6193** stud.

6501 V-Hanger
Provides an alternative hanging method ensuring lateral stability. Height and level adjustment as **6190**.

6503 Wall bracket
Used where rail is to be fixed parallel to the wall. Bracket is screwed to the wall, rail slots in and screw secures from above. Anodised aluminium, available in 4 widths and 2 different projections depending on usage.

6147 Glider hook
The design rotates through 360° and prevents the glider moving up into the rail as it moves along. The glider hook is made from exceptionally high grade nylon and is very strong.

6514 'T' junction – double
Joins rails to form right angle cross.

6137 Ceiling fixing plate – single

6514 T-junction – single
Joins rails at right angles.

6138 Ceiling fixing plate – double

Specific visual components

Components below are readily visible and have been specifically designed for each of the profiles to combine function and aesthetic appearance.

System 6100

6609 Wall support

6512 Connecting bridge

6611 End cover

6514 'T' junction

System 6103

6620 Wall support

6521 External connecting bridge

6630 End cover

6525 Double 'T' junction

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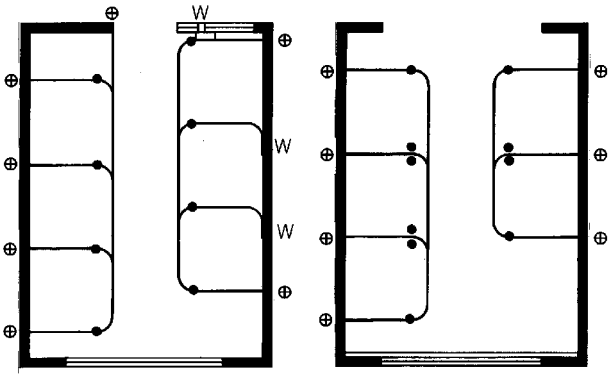
System Construction

Typical layout for hospitals, clinics, etc.
Lateral stability in any cubicle layouts is essential to prevent weakening of the wall and ceiling fixtures by lateral movement. Where it is not practical to fit tie bars etc., stability may be obtained by the incorporation of 'V' hangers to the ceiling as shown.

Typical methods of obtaining stability by attaching cubicles to corridor (or window) wall.

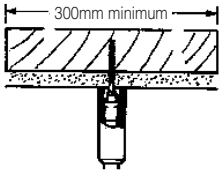
- • = 6190 hanger rod
- •• = 6501 V hanger
- ⊕ = 6620 wall support
- W = 6503 wall bracket



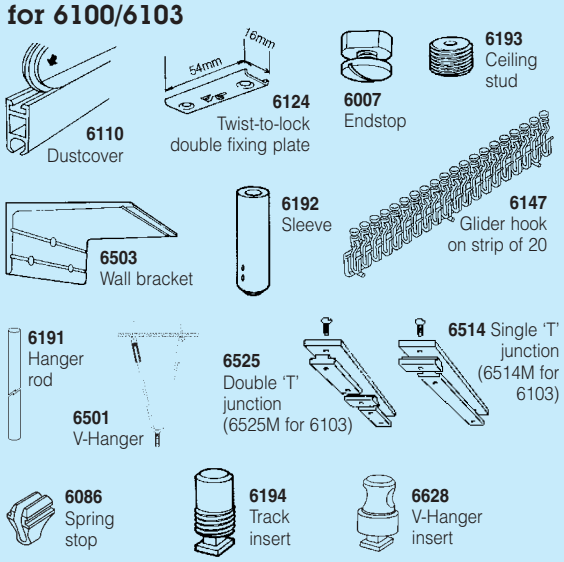
Site preparation

Noggins in suspended ceilings
At each hanger position a noggin in an approved material should be provided by others above the suspended ceiling as detailed; underside to rest on top of ceiling (but independently supported) with a minimum length of 300mm at right angles to the track in which the hanger occurs to give fixing tolerance. For optimum appearance and efficiency it is preferred that the hangers should be on the return track but an adequate support would be provided should it be more convenient for them to be on the front track. More detailed information together with the requirements in hollow partitions are shown on a separate data sheet available on request.

Recommended height from floor to underside of rail is 2100mm

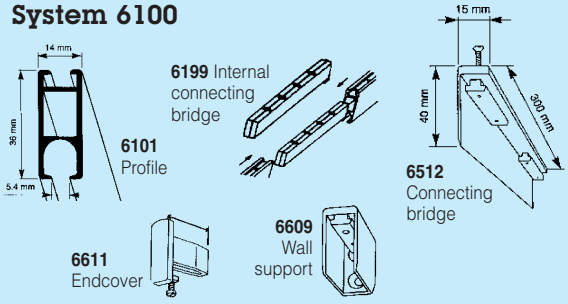


Standard common main components for 6100/6103



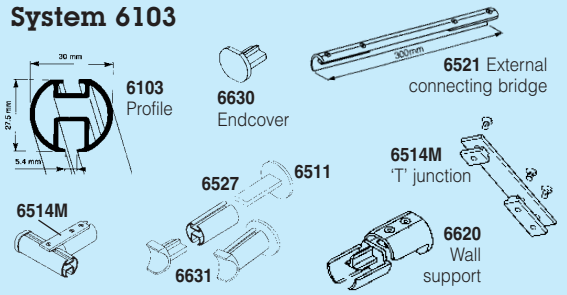
6110 Dustcover
6124 Twist-to-lock double fixing plate
6007 Endstop
6193 Ceiling stud
6503 Wall bracket
6192 Sleeve
6147 Glider hook on strip of 20
6191 Hanger rod
6501 V-Hanger
6525 Double 'T' junction (6525M for 6103)
6514 Single 'T' junction (6514M for 6103)
6086 Spring stop
6194 Track insert
6628 V-Hanger insert

System 6100



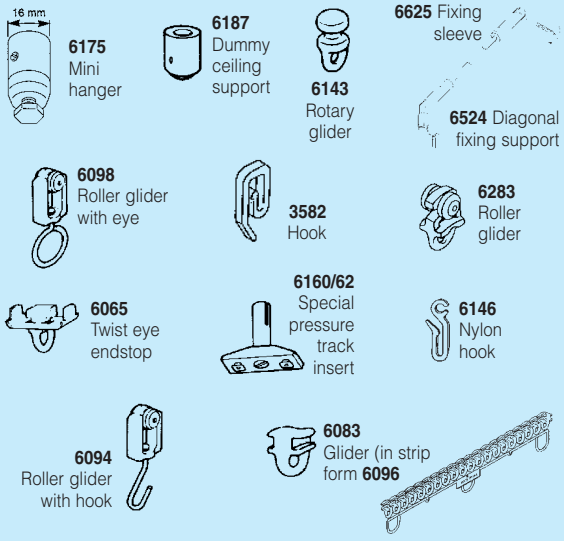
6199 Internal connecting bridge
6101 Profile
6512 Connecting bridge
6611 Endcover
6609 Wall support

System 6103

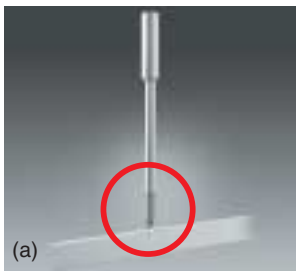


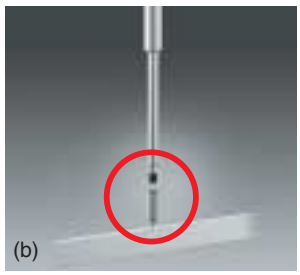
6103 Profile
6630 Endcover
6521 External connecting bridge
6514M 'T' junction
6527
6511
6514M
6631
6620 Wall support

Common components for special applications

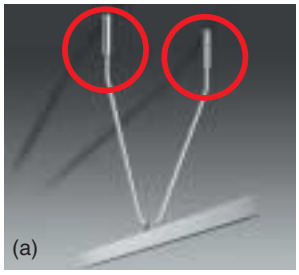


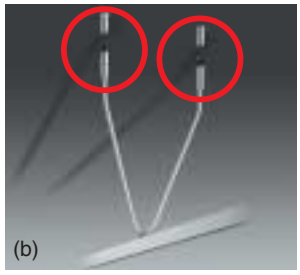
6175 Mini hanger
6187 Dummy ceiling support
6143 Rotary glider
6625 Fixing sleeve
6524 Diagonal fixing support
6098 Roller glider with eye
3582 Hook
6283 Roller glider
6065 Twist eye endstop
6160/62 Special pressure track insert
6146 Nylon hook
6094 Roller glider with hook
6083 Glider (in strip form **6096**)





The **6651** single hanger safety device incorporates friction-based joints **6675** which progressively separate under known loads, pictured here in the process of: (a) separating
(b) separated





6658 V-hanger incorporating the **6677** V-hanger safety device. **6677** pictured here in the process of: (a) separating
(b) separated

Silent Gliss Safety Device 6650 System for Hospital Cubicle Track & Shower Rail 6100

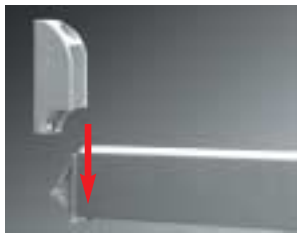
The development of the 6650 Safety Device System (patent pending) for the Silent Gliss hospital track 6100 comes with over 30 years of experience installing systems in hospitals throughout the UK and abroad.

The Safety Device has been designed for specific use in high-risk areas to minimise the opportunity for patient self-harm. The gradual pull-out however does ensure that the device will remain in place during normal everyday use.

The Silent Gliss Safety Device System has been designed to be maintenance-free using non-deteriorating components and to Silent Gliss precision-engineered standards.

The system is complete with standard hanger rods, V-hangers for lateral stability, wall supports and wall bracket systems (patents pending), thus covering the vast majority of layouts used as well as for fast and simple retrofitting for existing layouts.

6655 Wall support

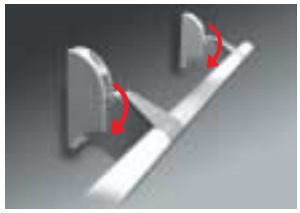


Wall support after downward separation

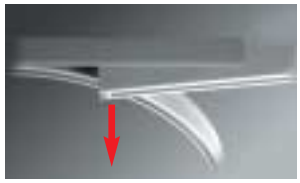
Wall support angle tilt

Unique design (patent pending) for the wall support and brackets ensures that the track will separate with a direct downward pressure and will tilt to minimise damage.

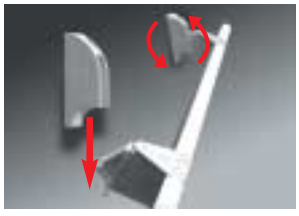
6668 Wall bracket



After downward separation



Special connecting bridge **6666** reduces the risk of “domino effect” where one cubicle brings down attached systems.



Bracket – pivot

6668 benefits from same design as 6655 wall support – ensuring that track separates with direct downward pressure and pivots to minimise damage.

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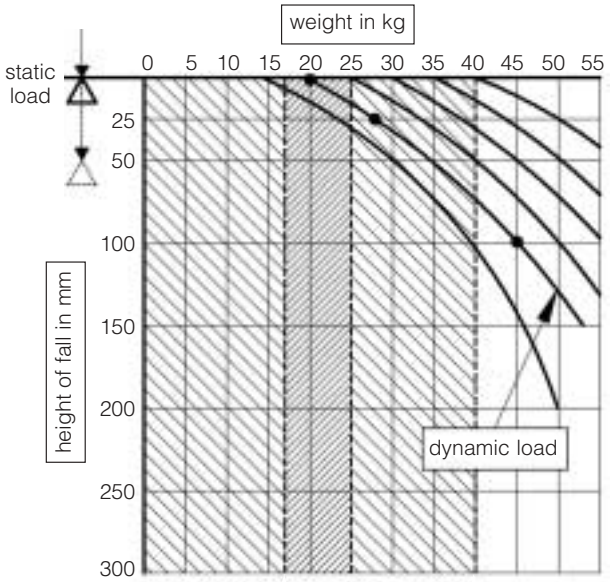
System Layout ▶

As the 6650 incorporates V-hangers, wall supports and wall brackets virtually all installations can include the Safety Device without compromising the layout and design of the ward.

The Silent Gliss Safety Device has been designed to separate when a maximum load of 40kg is applied at any point of the cubicle track. However, just as different positions on the track require different weights before the Safety Device separates so the effect of a fall will similarly alter the result. Therefore we can see on the graph how a static load of 20kgs effectively increases in weight to 27kg when dropped 25mm and to 45kg after a drop of 100mm.

Our precision engineering ensures that the effect of these different loads are considered in the design, manufacture and testing of the system to ensure a safe environment.

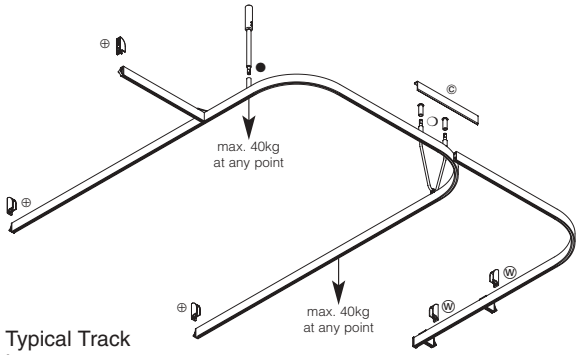


Product Information

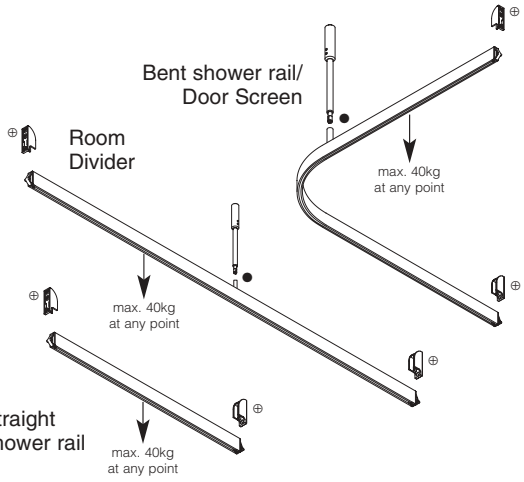
- Neat, strong system designed around the proven existing 6100 system.
- Hanger rod incorporates a friction-based joint which will progressively separate at known figures and loads.
- Designed with maximum protection from wear and tear to minimise inspection and future replacement.
- Separation on hanger rod is at track level for easy replacement.
- After a fail-safe incident the track is simply replaced by pushing back into the hangers and brackets.
- Progressive separation of the device acts as a warning and reduces incidences of separation through over heavy handling of curtains, etc.
- The inclusion of the friction-based joint also in the V-hanger for lateral stability means that a safe environment is achievable without compromising layout design.
- The V-hanger has been specifically designed to separate under the same load as a single hanger rod 6651.
- The unique wall support (patent pending) is designed to take lateral and vertical downward pressure without causing damage to the support.
- The wall brackets allow bed returns, etc., to be included in the design to meet layout specifications.
- A detachable connecting bridge reduces the risk of the "domino effect" where one collapsing cubicle brings down attached systems.

System Layout

As the 6650 incorporates V-hangers, wall supports and wall brackets virtually all installations can include the Safety Device without compromising the layout and design of the ward.



Typical Track Layout



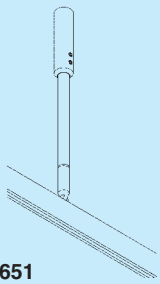
● 6675 single hanger safety device
❍ 6677 V-hanger safety device
⊕ 6655 wall support
Ⓦ 6668 wall bracket
© 6666 special connecting bridge

NB: For spans over 2m additional fittings may be required.

Main components

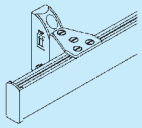
6658 V-hanger incorporating the V-hanger safety device

6677 V-hanger safety device

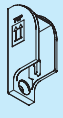


6651 Single hanger incorporating the 6675 safety device

6663 Wall bracket plate and T-junction



6668 Wall bracket assembly



6655 Wall support

6666 Connecting bridge

Silent Gliss
Hospital Accessories

Silent Gliss has the widest range of window treatment products available – many of which are specified on a daily basis for health care environments.

Our shower rail systems are available in both 6100 and 6103 profiles. Their strength on bends provides a safe operation for patients. The 6100 profile can also incorporate the 6650 Safety Device.

Shower rail system ▶

Ward Uplighter Systems ▶

A slightly different profile **6109** – similar to **6101** – is used, (dustcover **6108**).

Uplighter application

Ward uplighter systems can be used in conjunction with Silent Gliss cubicle track to create an efficient lighting system. This gives increased 'glare free' illuminance in the bed space, whilst maintaining light levels when curtains are drawn.

Vertical blind system ▶

Roller blind system ▶

Venetian blind system ▶

IMPORTANT

The Silent Gliss 6650 system is intended to reduce the risk of self-harm in cubicle situations. In order to work correctly it must be fitted in accordance with the specific 6650 fitting instructions. Failure to do so will reduce its effectiveness. Any queries or anomalies should be reported to Silent Gliss.

If you require any information on quality management procedures please contact Silent Gliss.

CUB/LEA/0203

All Silent Gliss hardware systems are made of high grade materials to exacting specifications. This enables Silent Gliss to offer a 3 year guarantee providing free of charge replacement parts should any system – including motorised systems – prove defective within 3 years of installation. This guarantee is conditional on manufacturer's recommended fitting instructions having been followed during installation and on further condition that prior payment in full for the product(s) has been received by the Company. This guarantee is in addition to your statutory rights which are not affected. We regret that fabrics are subject only to suppliers' guarantees.

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