

# Tiering solutions Q-plus and Q-stand

Modular Riser Systems





“ Safe, strong modular units that can create bespoke layouts to fit perfectly with your existing environment. ”

# An introduction to tiering

Stage Systems are the market leaders in staging and tiering products, we have been providing the Education, Corporate, Community and Religious sectors with performance equipment for over 50 years.

All of our products are UK manufactured and come with very long guarantees. Our customer service is excellent.

## Q-plus®

Designed specifically to create tiered seating for audiences, groups or performers. The system comprises a series of metal frames and timber decks which fit together to create a modular demountable riser system.

## Q-stand®

An ideal solution for standing performers, choral groups and photographers. The system comprises modular metal frames and timber decks, designed with a standing performer or audience in mind.

## Possibilities are endless

The tiering has the advantage of being portable and modular, fitting together without the need for tools and can be stored away on compact wheeled trolleys.

Both systems can accommodate accessories such as handrails and steps and fully comply with Health and Safety standards.

Q-plus tiering works perfectly with our Q-link reverse cantilever chair, providing comfort and reliability for your audience or performers.

The Q range is available in a variety of finishes including wood stain, non-slip material and carpet.

## Ideal for:

### Q-plus - ideal for:

- Audiences
- Performers and musicians
- Seated or standing choral groups
- Lecture theatre seating
- Graduations
- Seated audiences

### Q-stand - ideal for:

- Photographers
- Choral groups
- Choristers
- Singing groups
- Groups





# Tiered systems with Q-plus and Q-stand

Stage Systems provides staging, tiering and seating products for performance. We work with our customers to provide the best solution within their budget.

The simple design of Q-plus and Q-stand has an ever increasing popularity. The units are portable and simple to build, robust and compact to store.

The Q-plus tiering system has the advantage of accommodating seating or standing performers or audiences in a range of layouts depending on your requirements and space. This adds flexibility to the equipment which can be stored away neatly when not in use.

The construction is a simple design of a rectangular frame which supports a timber deck panel. The systems are easily assembled from components consisting of a metal frame; deck and bridge deck. No tools are required to create a strong and rigid structure using lightweight materials.





# Key features and benefits

## **Q-plus®**

Modular tiering for seated or standing audiences, performers or lecture theatres.

- Compact wheeled storage
- Requires no tools to build
- Simple and easy to build
- Versatile modular components
- Create many layouts from one kit
- Compatible with the Q-link chair
- Alternative finishes such as wood stain, carpet or phenolic non-slip are available
- Design and Installation service on request
- 15 year guarantee
- Tested to 7kN/m<sup>2</sup>

## **Q-stand®**

A quick build solution for group photographers and vocal performers.

- Ideal depth for 'stand on' tiering
- Stand a large number of people safely
- Consistent riser heights
- Maximise visibility of performers
- Amplify acoustics using curved or straight rows
- Suitable for indoor or outdoor use
- Compact wheeled storage
- Requires no tools to build
- Simple and easy to build
- Versatile modular components
- Alternative finishes such as wood stain, carpet or phenolic non-slip are available
- Vertical bar handrails for safety
- Design and Installation service on request
- 15 year guarantee
- Tested to 7kN/m<sup>2</sup>



Q-link chairs on Q-plus tiering

**Q-link**<sup>®</sup>  
versatile seating

## Seating designed with great strength and stability

The Q-link chairs can accommodate audiences and performers alike, can be set up quickly and offer great comfort with upholstered seat and back support.



Wheeled storage trolley

Ideal for:

- Auditoriums
- Conference rooms
- Meeting rooms
- Waiting rooms
- Halls



Q-link chair



Stacking chairs

The reverse cantilever design offers a chair with great strength and stability. The chair base distributes the weight evenly.

The simple linking mechanism on each side of Q-link quickly links the chairs together to form a neat, safe and rigid row. The linked chairs can be set out in straight or curved rows and can be used directly onto the floor or on staging and tiering.

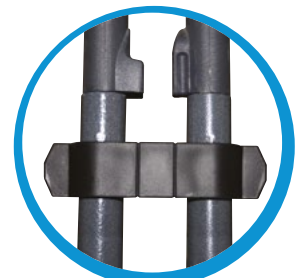
When not in use Q-link chairs stack on wheeled trolleys for compact storage.

## Features

- Designed for comfort
- Posture support
- Safe and strong
- Simple linking connection (wider spacing connector also available)
- Fast set up
- Compact wheeled storage
- Range of upholstery
- Compatible with tiering
- 2 Year guarantee
- Conforms to BS7176

## Specification

- Fabric - Flamblend
- Composition - 30% Wool
- Width - 500mm
- Depth - 420mm
- Height - 480mm (seat)
- Height - 760mm (back)
- Weight - 6.2kg



Spacer



Linking mechanism



# Case studies and testimonials

## Eastlea Community School

Eastlea Community School was a major project install as part of the BSF - Building Schools for the Future programme.

“It is a student group rich in cultural and linguistic diversity. Over 60 different languages are spoken, including English.

As an inclusive school we have students with a wide range of special needs.”

Principal  
[www.eastlea.newham.sch.uk](http://www.eastlea.newham.sch.uk)

### What we did

The solution was to provide a new stage, with handrails and a ramp for safety and access together with a tiering block for a seated audience and seating. Stage Systems supplied and installed all of the performance and audience equipment. The advantage of Q-plus tiering used here is that it is portable and can be easily dismantled and stored away on compact wheeled storage to make the most of their space.







## Beverley Minster

Beverley Minster watches over its town with magnificence and grandeur. The Minster is an active place of worship and has a musical history with a 200 year old organ and a choral tradition dating back to the 16th century.

The Minster is a musical venue with regular performances from its own choir as well as the East Riding County Choir. A choral group, 150 strong, with an amazing sound to move any listener, whether or not they are of the Christian faith.

The choir has been making music for 50 years, celebrating its half century with a concert of Elgar's "The Dream of Gerontius" under musical direction of Dr Alan Spedding of Beverley Minster. In need of a system to enhance the choir's performance, whilst being considerate to the surroundings, the Minster turned to Stage Systems.

### What we did

The choristers were raised to new heights metaphorically through their performance and literally by the aid of their new tiering system! The system enables the group to be raised in graduations so that the full mixture of voices can be projected throughout the Minster. The tiering is Q-Plus, an original design from Stage Systems and combines strength and versatility with ease of use and practicality.

Funded by the Lottery, and as part of the grant condition the Choir's tiering is also hired out to local groups, societies and events including Beverley & East Riding Early Music Festival, Beverley Folk Festival, The Beverley Chamber Choir, The Royal British Legion, local schools and Beverley Minster.

Hayley Westenra has included Beverley Minster in her tours, promoting it as an adaptable venue with amazing acoustics. Each performance that utilises Q-Plus illustrates its versatility, it can be used in a variety of configurations, all of which are easy to create and take apart, but have phenomenal structural strength.

“ From individual chorister up to full choir group, Q-Plus presents the perfect platform for any type of musical spectacular.

Easy to assemble and dismantle the Q-Plus system fits simply into the Minster, so is put up the night before and taken down after the performance, which is the joy of this first class system. ”

Neil MacLachlan

# Braiswick Photographic Co Ltd

Braiswick Photographic Co Ltd have a head office in Manningtree, Essex and another office just outside Mansfield, Notts. They are specialists in UK school photography and were established in 1965.

Virtually all of their work is within the school environment, ranging from pre-school and toddler groups through to sixth form colleges. They cover an area which is nationwide, with experienced photographers based in many locations.

Individual and family group portrait packages, along with various types of group work, including panoramic style are all part of their service.

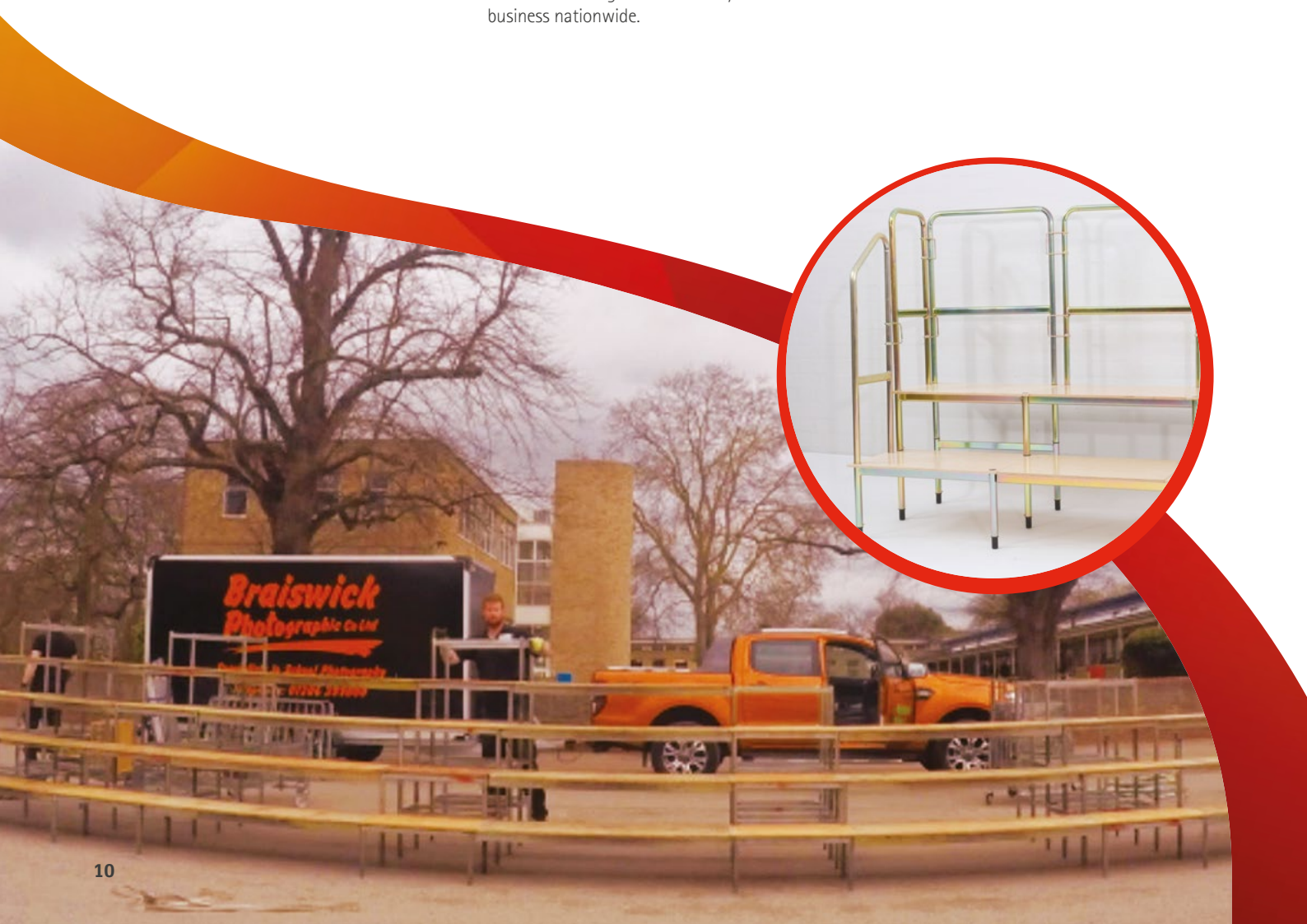
## What we did

Braiswick Photographic Co Ltd first approached Stage Systems in 1995 regarding a solution for photographing large groups of Primary and Secondary school children. In 1996 they purchased our Q-stand tiering system. The Company have two sets of Q-stand, one at each location. They have used both sets together, giving them the capacity for groups of approximately 400 pupils and staff. The system has been used constantly over the years.

Stage Systems and Braiswick Photographic Co Ltd have an excellent relationship and have been in constant contact with each other for 22 years. We have provided them with advice, additions and replacements as necessary, to ensure that their equipment is always fit for purpose and ready for any photographic opportunity. This initial investment was paramount in providing them with the right tools to carry out their business nationwide.

“ We have been extremely pleased with the ease of use of Q-stand and would not hesitate to recommend it to others. Although the initial outlay of the equipment was an expense for us, we recouped our costs within the first twelve months. It is in continual use for photographing large groups. ”

Mike Waring  
Braiswick Photographic Co Ltd





## Grayshott Concerts

Grayshott in East Hampshire is a lively and thriving village and is gathering an ever expanding following of music lovers. The local church, St Luke's has, in recent years, become host to an array of classical music performances organised by Grayshott Concerts, the brainchild of parishioners Peter and Vivien Harrison.

Initially a concert was organised to raise funds for the church, which was so successful and popular, that more continued, with more prestigious performers, a growing reputation and a wider following.

The musicians would perform on a stage made from rather heavy, bulky and unstable wooden blocks. The local school and a nearby church however had, and highly recommended, a staging system which was demountable, portable and could be built up in a variety of formats and, thanks to the community spirit, was available to borrow. Since using the staging and finding it the perfect platform for the concerts, using it in various configurations and heights, the organisers were keen to invest in their own.

### What we did

With little capital available, but the necessity for quite a substantial amount of staging, funding needed to be sought. After a lot of research and many applications, community grants were awarded by 'Awards for All' (National Lottery), Co-operative Community Fund, East Hampshire District Council and

SITA Trust. The bids were based on the concept that the funding would buy the staging for their own concerts, but the equipment would also be available to other groups in the community, allowing others to transform almost any hall or church into a theatre. With the funding in place, Grayshott invested in Q-build staging and Q-stand tiering. This combination would allow for flat and multi-level staging platforms, plus tiering that could accommodate a full choir, and by bridging the platform over the altar rails, the limited space in the church could be fully utilised.

Now producing five to six concerts every year, Grayshott Concerts are attracting world-class performers. The extensive staging encouraged the organisers to celebrate the group's 10th anniversary by commissioning a new work from their Patron, Sir Karl Jenkins CBE, acknowledged as the world's most performed living composer. Over 700 applied to attend the world premiere, conducted by the composer, so two performances were staged on consecutive nights to accommodate them all. Every last item of staging was used

to create the space necessary for choir, soloists, orchestra and Sir Karl. Funded by sponsorship as well as ticket sales, these high profile performances are taking Grayshott Concerts into a new league.

**“None of this would have been possible without Stage Systems. They've helped us to solve three big problems.”**

“First, their kit is so versatile, enabling us to use effectively, every inch of space needed to show off our huge productions. Second, it's proving so easy to handle and store the units on site – our helpers love it. And finally, it took months of planning to raise funding, but the people at Stage Systems have been immensely helpful and supportive throughout. Nothing has been too much trouble and they've been full of good ideas to help us find the right cost-effective solutions. Much of our success is down to them! We can now plan more and larger events for our growing audiences.”

Peter Harrison

## Safety rails

Available with vertical or horizontal bars and slot into the decks to provide a safety barrier at the edge of the tiering or step.



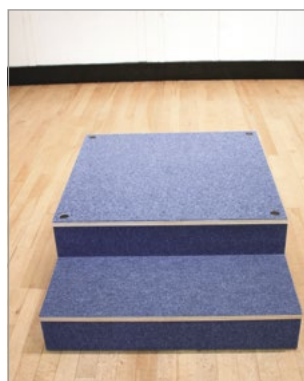
Vertical bar safety rail



Horizontal bar safety rail

## Steps

Provides access to the tiering. Single tread, double tread and box steps are available. Step handrails can be added if required.



Carpeted box steps



Double tread step

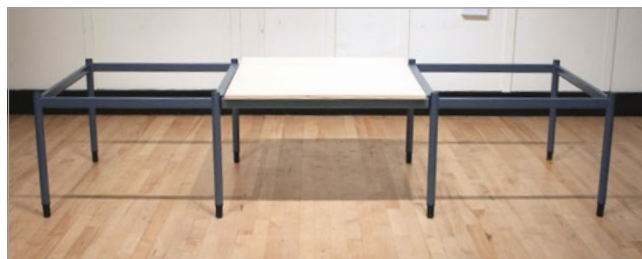
## Storage trolleys

Compact Wheeled Storage.

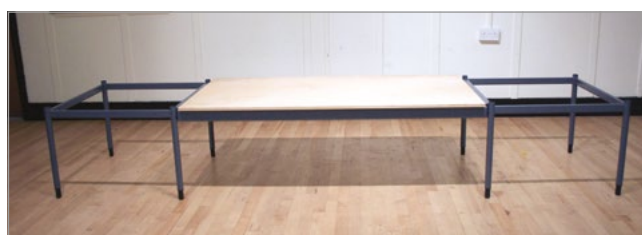


## Bridge decks

A cost effective way of increasing your tiering area, reducing the number of standard frames required. Bridge decks are recommended for tiering layouts. The deck panel is attached to a metal under structure, which links between two standard frames. They are not reversible.



Single bridge deck



Double bridge deck

## 1:12 access ramps

Available, for either a 277.5mm or 500mm high stage.  
See Technical section for further information.

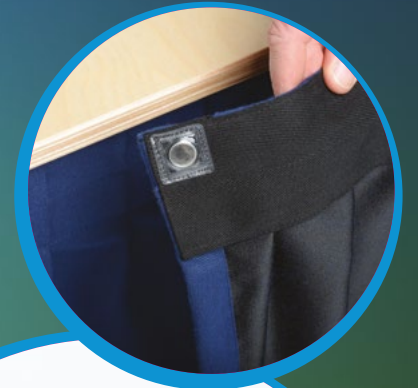
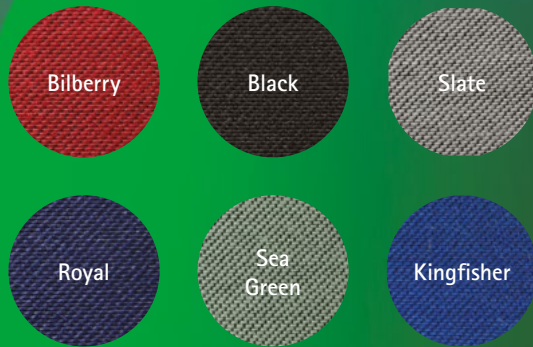
# Finishes

Skirting and fascia panels compliment any tiering layout. Skirting is available in a variety of colours and there are various finishes available for the fascia.

## Skirting features

- 50% gathering included in length
- Fire resistant fabric
- Machine washable
- Magnetic fixing

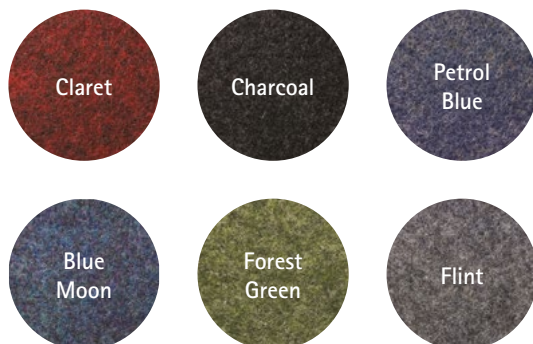
Full skirting colours are available on our website.



# Carpet colours

The colours illustrated are the most popular, but others are available.

Full carpet colours are available on our website.



“ We have a range of samples and swatch cards to help you choose the right option or why not ask for a free demonstration? ”

# Q-plus

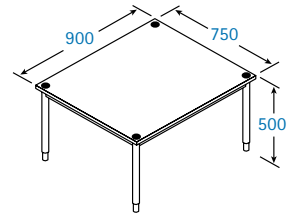
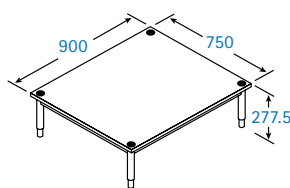
## technical specification

Units are made from three simple parts: metal frame, tie plate and wooden deck. Q-plus dimension is 750mm x 900mm.

### Frames

Available in standard heights of 166mm, 277.5mm, 500mm and 722.5mm which can be used in conjunction with each other to produce flat and multi height layouts. Non-standard height frames are also available.

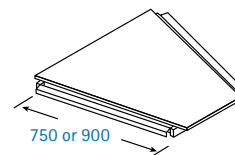
- Standard frame finish is dabble (a speckled mid grey, polyester powder coating to mild steel)
- ERW Steel Tube
- Glass filled nylon insert



### Decks

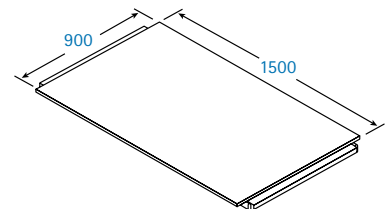
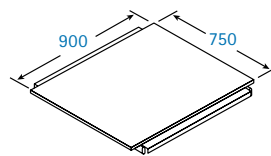
Constructed from BB quality birch plywood, UV cured with slip resistant acrylic lacquer as standard. Optional finishes include carpet, wood stain, matt black emulsion and vinyl. Staging exceeds BS6399 requirements for loading: 7.5kN/m<sup>2</sup> or a minimum of 5kN/m<sup>2</sup> (for large, tiered layouts).

All standard components are guaranteed for up to 15 years.



### Bridge decks

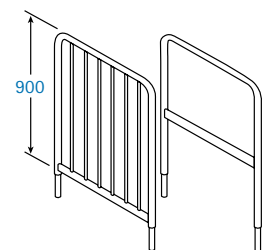
Mild steel frame and birch finishes available as standard decks.



### Safety rails

Standard frame finish is dabble (a mid grey, polyester powder coating to mild steel).

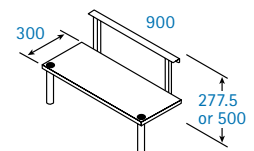
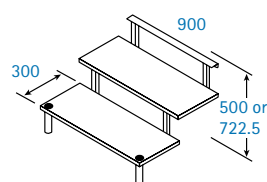
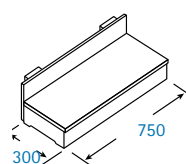
All sizes are in millimetres. 1100mm high handrails are available.



### Step units

Mild steel and birch plywood.

Single and double tread step handrails are available.



# Q-stand

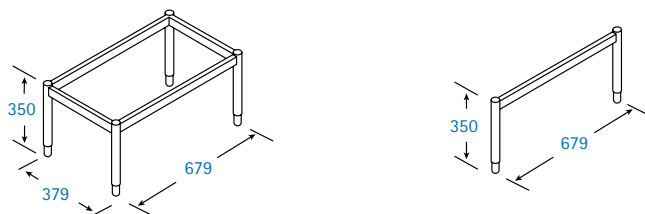
## technical specification

Units are made from three simple parts: metal frame, tie plate and wooden deck. Frames are available in a standard height of 350mm, which can be used together to produce multi height riser layouts. Q-stand dimension is 450mm x 750mm.

### Frames

Non-standard height frames are also available.

- Standard frame finish is dabble (a speckled mid grey, polyester powder coating to mild steel)
- ERW Steel Tube
- Glass filled nylon insert

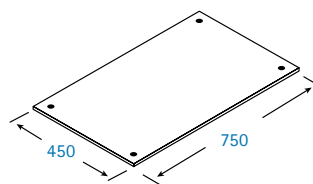


### Decks

Constructed from BB quality birch plywood, UV cured with slip resistant acrylic lacquer as standard. Optional finishes include carpet, wood stain, matt black emulsion and vinyl. Decks are reversible for additional versatility.

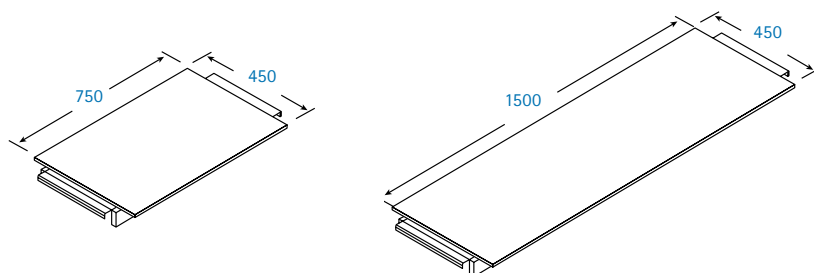
Exceeds BS6399 requirements for loading: 7.5kN/m<sup>2</sup> or a minimum of 5kN/m<sup>2</sup> (for large, tiered layouts).

All standard components are guaranteed for up to 15 years.



### Bridge decks

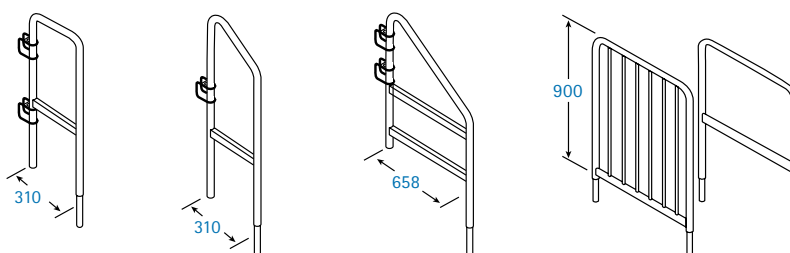
Mild steel frame and birch finishes available as standard decks.



### Safety rails

Standard frame finish is dabble (a mid grey, polyester powder coating to mild steel).

All sizes are in millimetres. 1100mm high handrails are available.

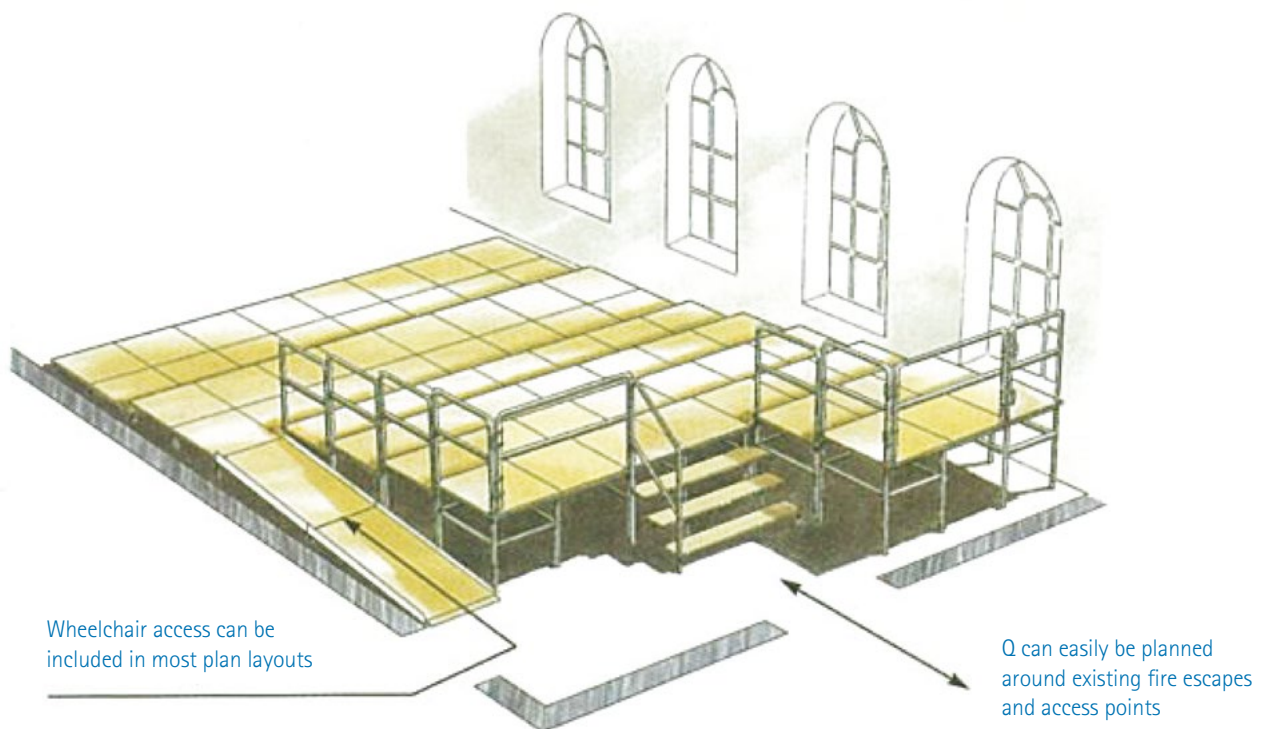


# Technical layouts

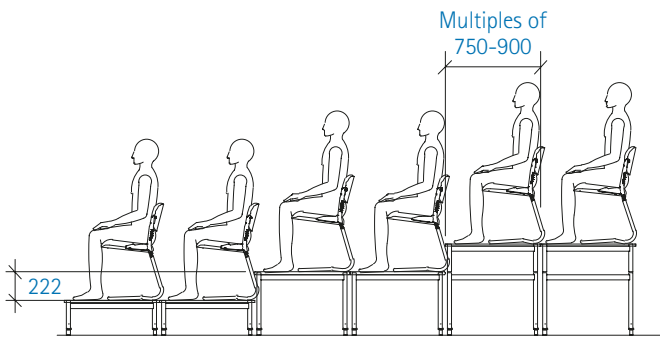
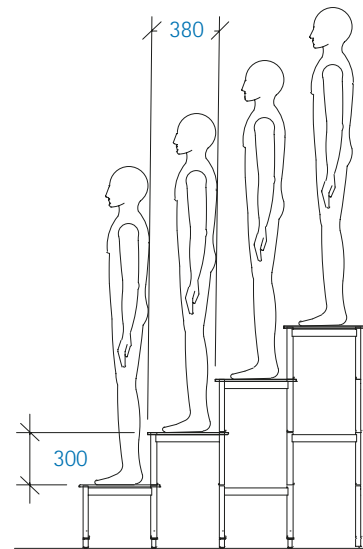
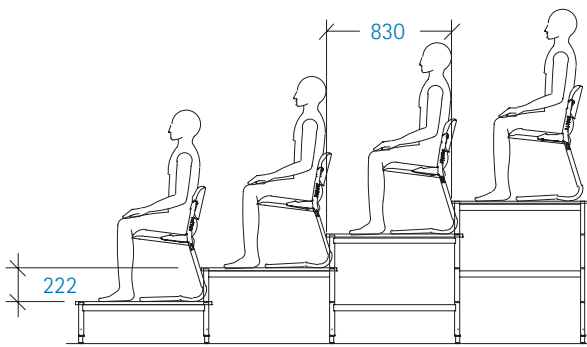
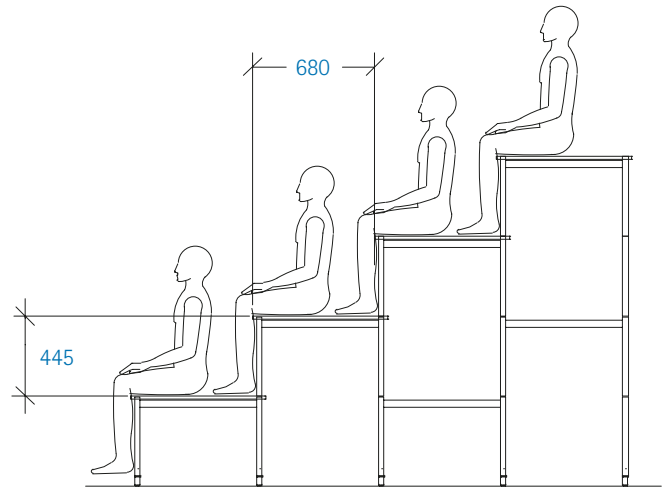
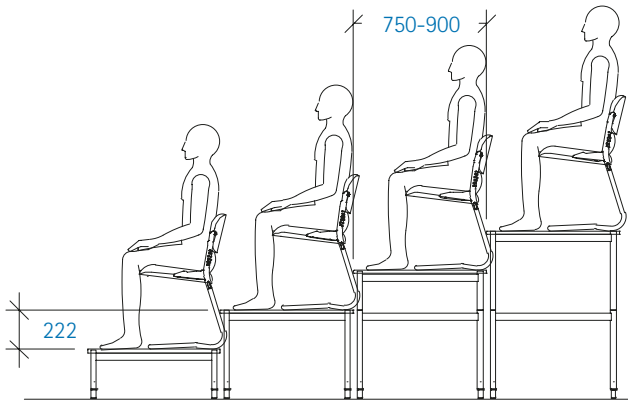
The modular nature of the Q range allows great flexibility which in turn enables Stage Systems to provide tiered layouts to accommodate the most restrictive architectural spaces, whilst maximising the number of seat places.

The illustration here is typical of many installations where our design and planning departments have worked to a client's requirements.

Q tiering was supplied to accommodate an audience and allow for a limited number of disabled places. The modular nature of equipment allows us to plan around existing features to comply with safety requirements, whilst achieving the required capacity.



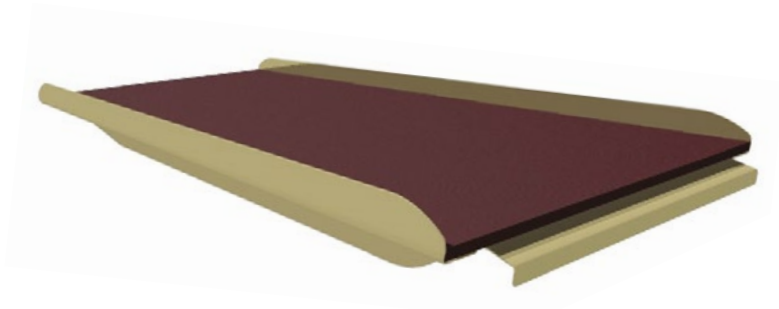




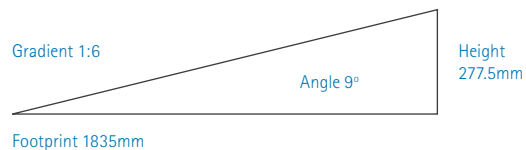
# Access ramps

For use on 277.5mm and 500mm high frames.

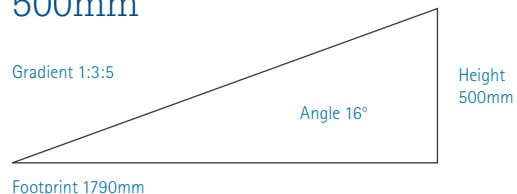
- 18mm Buffalo Board – phenol mesh base with phenol smooth reverse
- Built in raised sides at 750mm high
- Easy hook on



## 277.5mm



## 500mm

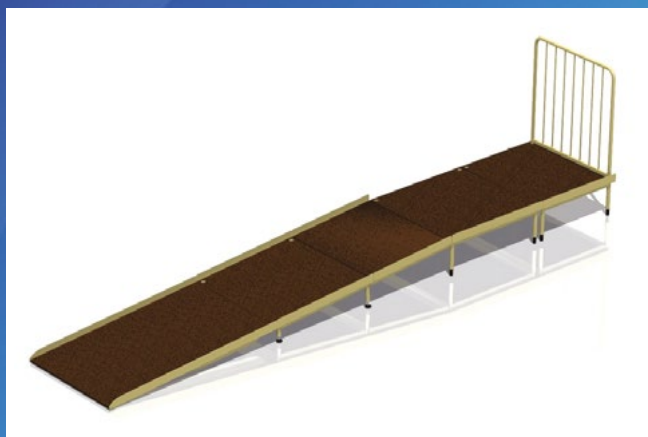


# 1:12 wheelchair ramps

## Ramp to 277.5mm

- 1:12 Gradient
- Handrails at turning points
- 18mm Wisadeck panels
- 100mm high Chair stop plates

This ramp accesses a stage at 277.5mm high at a gradient of 1:12 for 3.2m.



## Ramp to 500mm

- The first section of the ramp is up to 277.5mm at a gradient of 1 in 12 for 3.2m.
- The ramp then levels out at 277.5mm high.
- The top section takes the ramp up to 500mm from 277.5mm high at a gradient of 1 in 12 for 2.4m.



# Design and planning service

Stage Systems offer a design service, taking your individual requirements to produce a tailored solution.

Stage Systems has an in-house design team to create, adapt and develop an individual stage design. The service includes a site survey with full layout and design drawings.

Our designs can take into account obstacles such as pillars, steps or supports, uneven floors and irregular shapes.

We can accommodate bespoke accessories and finishes such as box steps, carpet, cable ports, fascia panels, drawers, as well as special trims to the deck edges and steps.

Special nosing



Box step

Cable port



Specialist oak finish



For friendly, expert advice call

**01509 611021**

E: [info@stagesystems.co.uk](mailto:info@stagesystems.co.uk) F: 01509 233146

[www.stagesystems.co.uk](http://www.stagesystems.co.uk)

