

Technical data sheet - Fixed Tiering

Description

Our fixed tiering solution can be used to create a variety of tiers, stages and rostra to suit the shape of the room and the needs of the facility. Whether it is a straight, faceted or radial configuration, each structure is custom designed to optimise seating capacity and sightlines. A wide range of finishes and options are available.

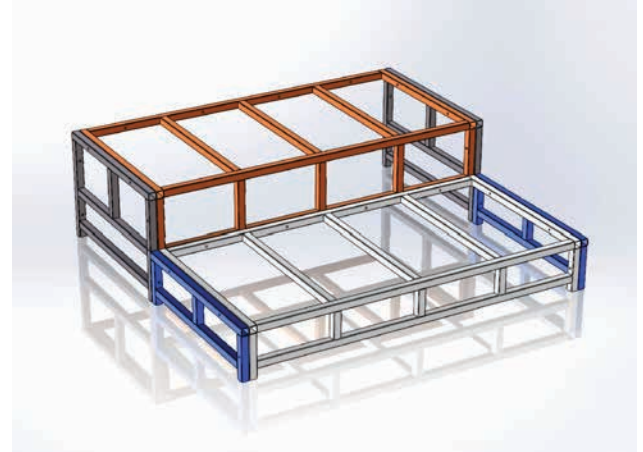
Features

- Available in straight, radial or faceted configurations.
- Steel understructure.
- Tough 25 mm ply decking.
- Compatible with all Audience Systems chairs.

Designed individually for each venue, and delivered in kit form, with no need for welding on site.

British standards compliant.

Wide range of options and adaptations possible, including many not listed on this datasheet. Please just discuss your requirements with us!



Specification

Understructure

Steel: 40 x 40 x 2.5 mild steel SHS, sprayed with water-based metal primer.

Cladding

Decks: 25mm PEFC MYS BB/CC hardwood ply, glue class 3 EN314.

Risers: 12-25mm plywood.

Finished as standard with Heckmondwike Supacord contract carpet, Genesis NSL 01 nosings to front of aisle steps, and Gradus PKS50 nosing on the non-aisle tier edges. Other finishes available on request.

Can also be left plain for other finishes to be applied.

Strength and Standards

Strength and Stability

Structure designed to withstand loads of 5kN/m². Complies with British and European standards for strength and stability.

Flammability

Decks and riser boards can be supplied to class '0' fire rating, or other fire standards if required. Standard carpet is heavy duty contract quality conforming to BS4790 low radius of char.

Configuration

Configurations of the treads, risers and aisle positions are designed to be compliant with British and European standards and BASES recommendations.

Rails

Our standard rails are designed to withstand 1.5kN/m² loading.

Options and accessories

Side and Rear Cladding

Sides and rear of structure can be clad with 12mm MDF to prevent access to the underside. Painted as standard; laminated or veneered finishes available on request.

Access Hatch

An access hatch can be included to allow periodic maintenance.

Steps

2 or 3 intermediate aisle steps will automatically be included for higher row rises. Side access steps can also be provided for easy access to the top tier.

Safety Rails

Available in three designs, all with a mild steel structural frame:

"Type B" - with MDF infill panels, beech veneer or painted finish

"Type D" - with mild steel vertical infill bars

"Type E" - with perforated mild steel infill panel

All rail steelwork is finished with four stage iron phosphate pre-treatment and epoxy polyester powder coating.

Rails are supplied in a stepped design as standard. Alternatively, sloped-top designs are available.

Air Grilles

Apertures for air grilles can be CNC machined in positions to meet your requirements. The tiering can also be installed as a plenum, creating a sealed area underneath the tiering from which air can be delivered directly, eliminating the need for ducting to each grille.

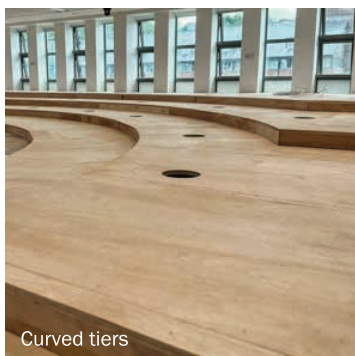
Alternatively, riser panels can be supplied in perforated mild steel in lieu of timber, giving an achievable airflow through the riser of up to 60%.

Access Ramps

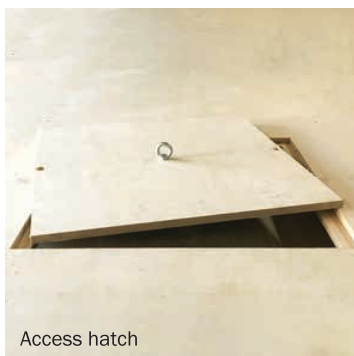
To meet with disability legislation (such as the DDA in the UK), access ramps to disabled seating areas can be incorporated into the design of the structure (space permitting).

Aisle Lights

Low voltage down lighting can be incorporated into the risers.



Curved tiers



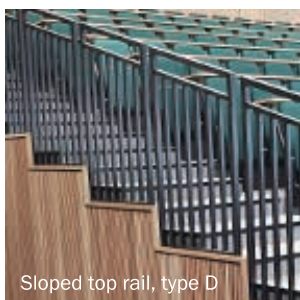
Access hatch



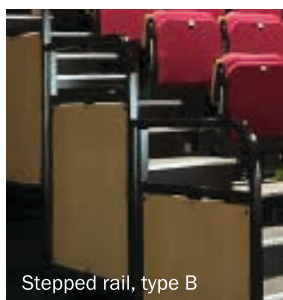
Double steps for higher rises



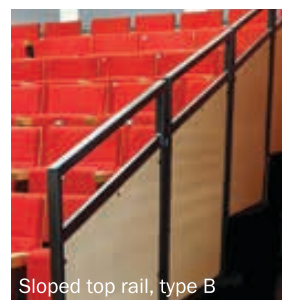
Example of apertures for air grilles



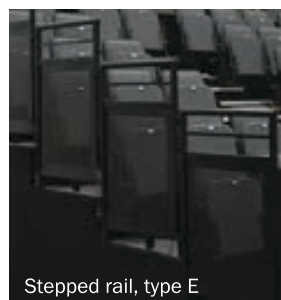
Sloped top rail, type D



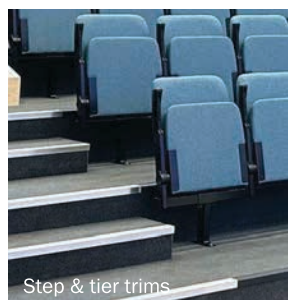
Stepped rail, type B



Sloped top rail, type B



Stepped rail, type E



Step & tier trims