



## **Trax Seating System Product Data Sheet**

## Key Design Features



4 CHASSIS  
TYPES

- Unique triangular beam profile allows a choice of 4 different chassis options
- Interchangeable components allow the operator infinite flexibility before and after installation
- Individual panels can be easily replaced in situ without the necessity to replace or repair the whole seat
- The standard square tables follow the same module as the seat units and therefore may be juxtaposed in any position as the beams carry the necessary fixings for either seat or table



WIDE RANGE  
OF OPTIONS

- Choose from 6 seat and back finishes
- All the panels are interchangeable allowing in-house maintenance staff to easily change the finishes should future passenger profiles change
- 3 armrest choices including optional moulded PU pads
- Armrests may be added or subtracted as they are not integral to the seat and the fixings remain common on all beam configurations
- Legs are available floor fixed or freestanding in 3 different options



PRM  
OPTIONS

- Wide range of PRM options available at order or to retro-fit
- Option for each individual seat to be raised in situ to create a higher level PRM seat. Individual seats or complete beams can be raised giving maximum flexibility
- Back panels have a PRM symbol moulded into the PU. This technique ensures that the symbol will remain intact unlike cheaper printed methods which rub off over time.
- Panels incorporate a substantial radius at both the front of the seat and top of the back. This stops the possibility of injury due to accidental impact. The radius to the top of the back can be used as a neck or arm rest, provides a natural space when the seats placed back to back eliminating head clash, and prevents damage to vertical walls surfaces when the unit is placed against them
- Longer padded armrests provide added support
- Universally recognized symbols are available for both low and high back models, moulded into the polyurethane panels to ensure longevity. This technique ensures that the symbol will remain intact unlike cheaper printed methods which rub off over time.



POWER  
OPTIONS

- OMK power units feature two regional power sockets and two intelligent fast charge USB ports to power the latest generation of mobile technology
- In-Beam and Between-Seat options for integrated power solutions
- On-Table power units are available for both full and half tables
- All wiring is routed through the central beam with connectors local to each unit for easy replacement and reconfiguration



25 YEAR  
GUARANTEE

- Trax is guaranteed against structural failure for a minimum of 25 years and has been independently tested to withstand 25 years of heavy contract use
- Metal components are finished for interior and exterior use, are UV stable and guaranteed against colour fading. Colour fastness conforms to DIN 54004. The metal finish is included in our 25 year guarantee
- All upholstery materials are abrasion resistant and in excess of 100,000 rubs (Martindale Test). Fabric and stitching is guaranteed for 5 years
- Tables are constructed from double-sided solid core laminate, are resistant to chemicals, cigarette burns, staining and fire-rated to BS476 Class 2 allowing them to be reversed in the event of surface damage
- ASIAD and SIDOS compliant



# Technical Specification



CHASSIS

- Backless bench
- Low back
- High back
- High back and foot rest



PRM  
OPTIONS

- Moulded PRM logo
- Raised seat height
- Armrests with PU pads



FINISHES

- Perforated steel
- Perforated steel with pads
- Fully upholstered
- Moulded polyurethane
- Rigidised aluminium
- Saddle stitched coach hide



ACCESSORIES

- MKI armrest
- MKII armrest
- Cast aluminium leg
- Extruded aluminium leg
- Granite foot
- Reversible Table



POWER  
OPTIONS

- Inbeam power
- Between seat power



HUB

- Dynamic layouts, providing a 360 degree view of the environment and creating social spaces for groups

## Supporting Beam

- Extruded triangular aluminium
- Anodised finish with film applied 25 microns thick
- High strength aluminium alloy, UNE-L2630 alloy 6063
- Breaking strength of 20kg/mm
- Bending strength of 175N/mm
- Tensile strength of 300N/mm
- Density of 2.7g/cm

## Seat Panels Back Panels

### *Perforated Steel*

Seat and back panels consist of self-skinned moulded polyurethane with a fabricated steel core. The panels are fixed to a single pressure die-cast aluminium bracket using mechanical fasteners.

- 2.2mm thick perforated mild steel plate or 2.2mm thick brushed stainless steel, grade 316
- Pre-phosphate coated. Finished in oven-baked polyester powder. Coating thickness no less than 80 microns
- Suitable for interior and exterior use
- Conforms to BS4875 (tests strength of seats and tables)
- Optional seat and back pads available in moulded polyurethane or upholstery options

### *Fully Upholstered [panels]*

Seat and back panels consist of a plywood and foam core available in a range of cover options. Fixed to pressure die-cast aluminium brackets using mechanical fasteners. The rear face of the back panel and optional headrest are upholstered to match the finish of the front face. Free of welts, creases, stretch lines and wrinkles. Where applicable pile and pattern run in consistent direction.

- Constructed from 10.5mm rotary cut steamed birch veneer
- Water resistant glue finished in 4 coats of AC lacquer
- CMHR 50, minimum thickness 25mm
- Suitable for heavy contract use
- Does not deform, wrinkle or form puddles with frequent use
- Does not contain isocyanate or blowing agent
- CFC and halogen free
- Density 60kg.m<sup>3</sup>



# Technical Specification

## Seat Panels Back Panels

- Tensile strength 90kPa
- Fatigue class: V (as tested to BS:3379)
- Flame retardant to BS 5852: 1990 (sect 5: sources 0, 1 and 5)

### *Fully Upholstered [covers]*

All covers used have fine wear-proof & scratch proof performances, light and colour fast. No toxic fumes released when ignited. No allergic skin reactions when sat on. Conforms to the following specification:

- DIN 53326 (UV stability under heavy contract use)
- Flame retardant to BS 5852: 1990 (sect 5: sources 0, 1 and 5)
- 100,000 + rubs (Martindale Test)

### *Moulded Polyurethane*

Comfortable and durable, self-healing polyurethane is available in any RAL colour.

- Self-skinned moulded polyurethane panels with a 2mm sheet steel core
- 2.2mm thick perforated mild steel plate
- Pre-phosphate coated and finished in oven-baked polyester powder
- Coating thickness no less than 80 microns
- Integral polyurethane
- Pressure injected around steel panel
- Incorporates threaded inserts to enable fixing
- Available in any RAL colour Dyed throughout
- Finished in clear lacquer for added durability
- Flame retardant to BS 5852: 1990 (source 0, 1 and 5) and BS 476 part 7 class 1
- Suitable for interior and exterior use

### *Saddle-Stitched Coach Hide*

Made from high quality, genuine chrome-free thick leather, with heavy duty stitching to the edges. Fine wear-proof & scratch proof performances. Light and colour fast. No toxic fumes should be released when ignited. It must cause no allergic skin reactions when sat on.

- Colour fastness to 6 (DIN 54004)
- Colour rubbing strength 4 (DIN 54001)
- Thickness between 2.1 and 2.2mm (DIN 53326)
- Weight between 2100 and 2200g/m
- Flame resistant to 100mm/min
- Tensile strength 12N/mm (DIN 53328)
- Dyed throughout

## Seat brackets Back brackets

- Pressure die-cast aluminium alloy, LM06
- Alloy conforms to BS EN 1559-1, 4, and BS EN 1676
- Finished in alochrom/alodine 1200 (corrosion preventive pre-treatment)
- Polyester powder coated to 120 microns, available in any RAL colour
- UV stable
- Colour fastness conforms to DIN 54004

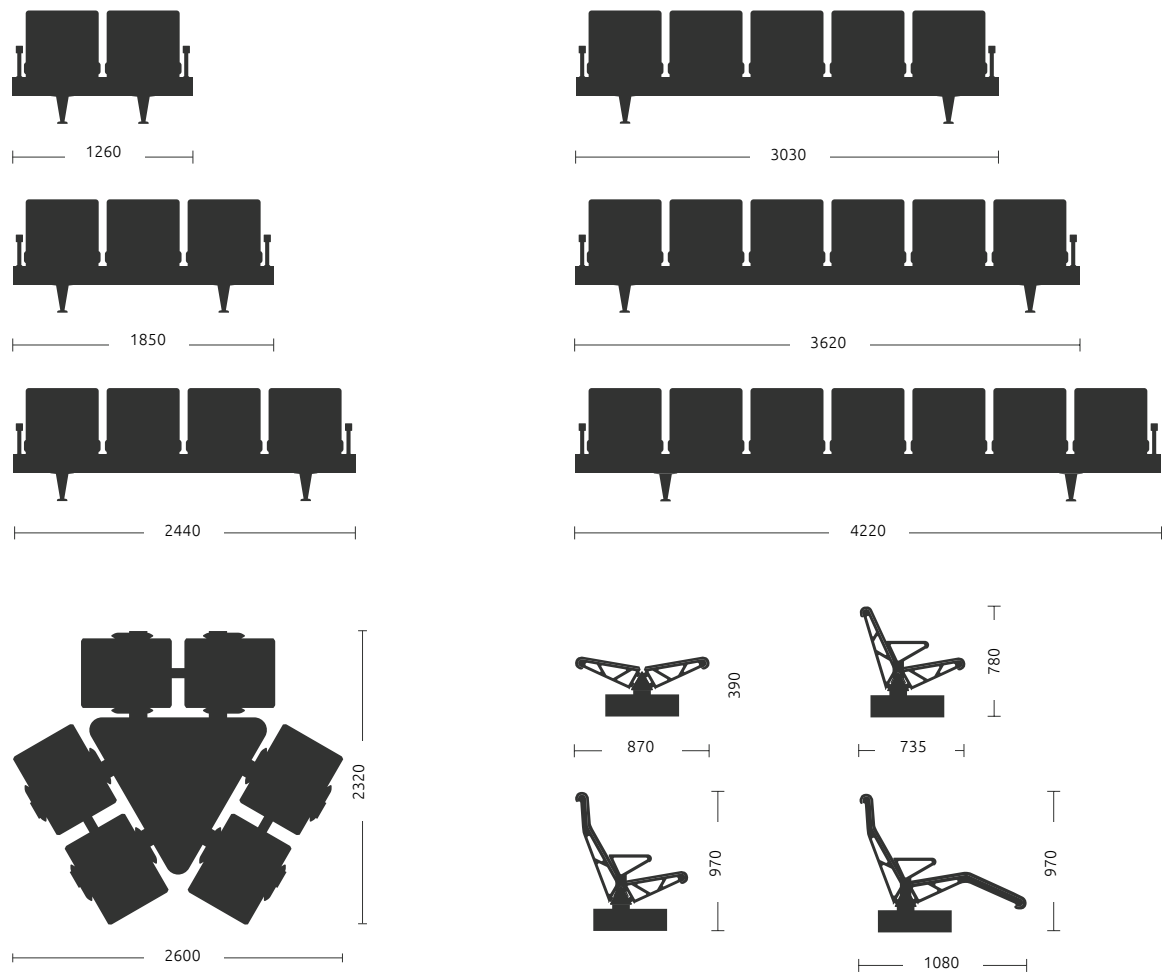


# Technical Specification

Armrests	<p>Armrests are made from pressure die-cast aluminium and can be added or subtracted on the units before or after assembly.</p> <ul style="list-style-type: none"><li>• Pressure die-cast aluminium alloy, LM06</li><li>• Alloy conforms to BS EN 1559-1, 4, and BS EN 1676</li><li>• Available in chrome or powder coat finish</li></ul>
Legs	<p>There are 3 standard feet options. All options incorporate non-slip neoprene base.</p> <p><i>Cast Aluminium Foot</i></p> <ul style="list-style-type: none"><li>• Gravity cast aluminium foot is made from aluminium-silicon alloy LM06</li><li>• Finished in alocrom and polyester powder coated</li><li>• Alloy conforms to BS1490</li></ul> <p><i>Extruded Aluminium Foot</i></p> <ul style="list-style-type: none"><li>• Extruded aluminium foot finished anodised or polyester coated aluminium alloy 6063</li><li>• Can incorporate concealed floor fixing if required</li><li>• End-capped with die-cast aluminium cover finished polyester coated</li></ul> <p><i>Composite Granite Foot</i></p> <ul style="list-style-type: none"><li>• Made of marghestone 97% natural marble aggregate and 3% polyester resin</li></ul>
Tables	<p>Tables follow the same module as the seat units allowing them to be installed at any given location including the end of the beam. The beam carries the necessary fixings for either a seat or a table. Half tables are available as an alternative where space is at a premium.</p> <p><i>Cast Aluminium Foot</i></p> <ul style="list-style-type: none"><li>• Constructed from solid Phenolic Laminate faced on both sides</li><li>• Resistant to chemicals boiling water, staining and cigarette burns</li><li>• Tested to ISO 4586</li><li>• Fire rated to BS 476-6 and 7: class 2</li><li>• Available in a wide range of colours and finishes</li></ul>
Fire Resistance	<ul style="list-style-type: none"><li>• All seating products and tables supplied by OMK have been tested to and exceed the fire-rating requirements set out by British Standard BS5852 crib source 0, 1 and 5 and are approved for use in public waiting areas.</li></ul>



Dimensions



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## Contact Us

Our head office is located in central London where we manage global sales, design & production.

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