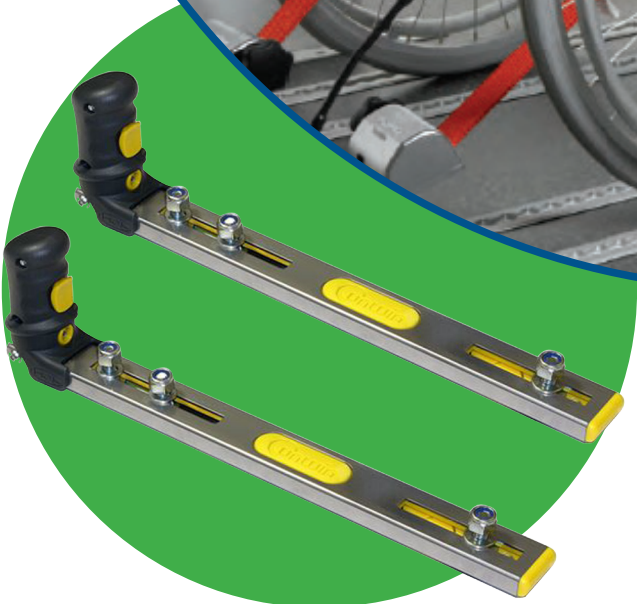




# Product Overview



# Flagship Systems

For ease of use, Unwin have developed a range of Flagship Systems which provide the end user with a range of various standard options for Rail Fixings and one option for the Standard Floor Anchor Fixing.



SYS02

## Rail Tracking - System 2

This System includes a pair of red Static Front Straps with a Tongue & Buckle and a pair of Rear Wheelchair Tie-downs in red webbing with a Karabiner.



SYS06

## Rail Tracking - System 6

This System includes two pairs of Quattro Retractable Wheelchair Tie-downs with a Karabiner and a separate 3 Point Occupant Restraint with a removable Upper Anchorage Strap.



SYS07

## Rail Tracking - System 7

This System includes two pairs of Quattro Express Wheelchair Tie-downs with a Karabiner and a separate 3 Point Occupant Restraint with a removable Upper Anchorage Strap.

*The Unwin Flagship Systems consist of eight separate Systems and the full range can be found in the Product Guide.*

# Quattro Retractable

## Quattro Retractable

Two pairs of Standard Quattro will be required to secure the front and rear of the wheelchair.

The standard Quattro System offers a fully adjustable webbing retractor to suit most wheelchairs anchoring positions. The wheelchair restraint incorporates a left and right tensioning handle to easily secure the wheelchair during transport.

Available with a choice of Karabiner hooks or Tongue & Buckle to provide a wider choice of wheelchair restraints options.



FR04

Standard Quattro uses either red webbing for wheelchair weights of up to 120kg or black webbing for wheelchair weights of up to 100kg.

## Quattro Express

The design incorporates a new ergonomic tensioning handle that can be easily tightened for optimum safety and also have a special release button to facilitate operation.

A positive locking label on the webbing clearly indicates when the reel is locked safely into place.

Quattro Express comes with a durable metal cover with black webbing to clearly denote the self tensioning mechanism. The Quattro Express is available with dipped Karabiner hooks for ease of operation.



FR05

## Floor Fittings



Rail Fitting



Solo Anchor

## Wheelchair Tie-down Fixings



Tongue & Buckle



Karabiner

# Wheelchair Tie-downs



OF02

## Front Only Wheelchair Restraints

Standard Restraints for front Wheelchair Restraint only.



ORS01

## Rear Only Wheelchair Restraints

Standard Restraints for rear Wheelchair Restraint only.



OR14

## Wheelchair and Occupant Restraints

Combined Restraint for Wheelchair and Occupant.



OR03

## Titan Restraints up to 200kg

Purpose designed tie-downs for heavier Wheelchairs.

# Occupant Restraints



OCR01

## Split Reel Double Inertia

The most popular passenger restraint with a separate lap and shoulder belt. Includes a reversible stalk that can rotate to fit either side of the vehicle.



3PTR

## Upper Anchorage Strap

A fully adjustable strap, used in conjunction with the Split Reel Double Inertia. This 3rd Point fitting comes with Rail Fixing for easy removal.



SHA

## Adult 2 Point Static Harness

Suitable for passengers with poor upper body control, the 2 Point Harness offers protection of a lap belt plus full shoulder harness.

# Titan Restraints

Unwin Titan range is designed to secure transportable wheelchairs weighing up to 200kg.

The Titan range encompasses a universal wheelchair tie-down to fit the majority of heavy powerchairs as well as a tie-down designed for specific powerchair models.

## Titan Front Tie-downs

OF08

The Front Straps are anchored to the floor using Rail Fixings and are available with Karabiners to facilitate operation. Titan Front Straps come in black webbing and can be static or adjustable.



OF08

A rear tie-down is required to secure a wheelchair for transport.

## Rear Tie-downs for Titan

OR03 200Kg

The Rear Titan wheelchair tie-downs are fitted with a Karabiner hook or Snaplock to suit a wider range of wheelchairs.



OR03

The Unwin 200kg wheelchair restraints have been dynamically tested to international standard ISO 10542-5 and ISO 7176-19.

# Seat Fixtures



## HAL (Hand Actuated Lockable)

HAL (Hand Actuated Lockable) is a new removable seat fixture especially suited to the Community Transport market.



HAL

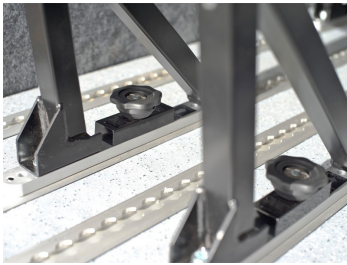
With the use of the easy grip shaped handle, the HAL is easily released from the Rail tracking using only the single-release hand trigger, allowing the user trouble free single hand operation.

The Lockable has a rattle free design and with the aid of the integrated wheel, self locating the lockable into the rail is simple and effective for the reassurance and comfort of passengers and drivers. *(Please note this wheel is only for use inside the vehicle)*

For extra security an anti-tamper mechanism can be used to further secure the seat within the vehicle.

Transport Wheels are available as an accessory to allow you to easily move seats outside the vehicles

## Removable Seat Fixture



Lightweight yet very strong, the Unwin Removable Seat Fixture is very secure and easy to operate.



SL

TW

The Seat Fixture consists of 5 flexible plated feet at the rear and 3 at the front for safety. The feet have been designed to locate directly into the rail and fall into position and the plunger mechanism enables the seat to be quickly locked into place.

The anti-rattle device secures to the underside of the rail to assist in fixing the seat. The standard Seat Fixture is fitted with 3 fixing screws for added security.

# Easisit

The combined seat and wheelchair restraint for accessible minibus operations, Patient Transport Services and the ambulance sectors.

Easisit is lightweight for ease of movement within the vehicle. The narrow backrest and the longer seatbelts ensure that it is suitable for use with a wide range of wheelchairs and their passengers.

The clever compact design guarantees a small footprint whilst the foot operation and adjustable reaction bar keep the wheelchair secured throughout any journey. Easisit can be bolted to the vehicle floor for a permanent position or can be fitted with Unwin Removable lockable for seating layout flexibility.

Easisit has been successfully tested to meet the requirements of M1 Vehicle and Seat Industry and ISO 10542 standards.



ES



# Dock and Lock



DNL

Dock N Lock is the first wheelchair-specific docking solution for powerchairs of up to 200kg.

The Dock and Lock is an innovative self-docking system allowing users to drive from a wheelchair position. The DNL Dual-Locking mechanism provides easy docking from any angle with its floor-mounted stability bracket to secure most wheelchairs including mid-wheel powerchairs.

Visual and audible warning indicator allows quick wheelchair release and the low-profile wheelchair bracket enables maximum ground clearance to prevent snagging on uneven surfaces.

Dock N Lock has been successfully tested to sustain wheelchair weight of up to 200kg, exceeding ISO 10542 and SAEJ 2249 standards.

Dock N Lock comes with a 12 month warranty.

**Please Note: Please check with the DNL Wheelchair Suitability Chart to see if the Dock N Lock will suit the wheelchair.**



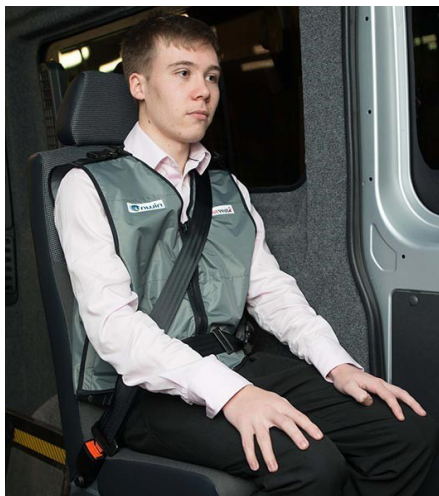
# Bestvest

BS - Adult Bestvest Small  
BL - Adult Bestvest Large

B140 - Child Bestvest 128-140  
B164 - Child Bestvest 152-164

BM - Adult Bestvest Medium  
BXL - Adult Bestvest XLarge

B152 - Child Bestvest 140-152



The Bestvest is a revolutionary vest that can secure seatbelts on the shoulder permanently helping to maintain a comfortable and safe position for passengers.

Bestvest is suitable for children of 5 years of age or over as well as adults and is suitable for wheelchair based passengers and can also be worn in conjunction with a booster seat.

Bestvest is to be used in conjunction with a 3-point occupant seatbelt.

*Bestvest is available in child and adult sizes.*

# Accessories



HRS- STD  
HRC - CHILD  
HRL- LONG

## Headrest

Provides head support for wheelchair users.  
Available in 3 Sizes



DR120

## D Rings

Allows webbing restraints to be secured into place and operated in a normal manner.



ES200  
ES300  
ES400  
ES500

## Extension Straps

Seat belt extension straps to be used with Split Reel Double Inertia only.



RS

## Wheelchair Strap

Holds empty folded wheelchairs or other unsecured items during transport.

## Rail Flooring



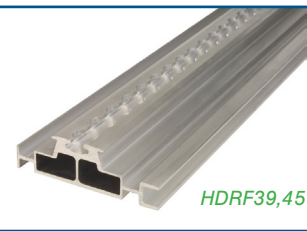
LPRD36

Low Profile Rail



SRD36

Surface Rail



HDRF39,45

Heavy Duty Rail

## Solo Anchor



SA - STD  
SAL- LONG  
SAS - SHORT

Standard Floor Anchor



S10

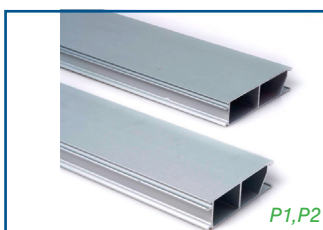
Static Floor Anchor



HVSA - STD  
HVLSA - LONG

Hi Vis Standard Floor Anchor

## Innotrax



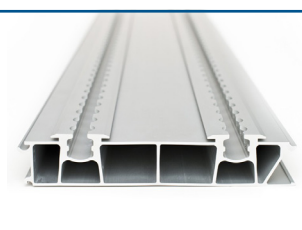
P1,P2

Innotrax Plain Plank



R1,R2

Innotrax Rail Plank



Innotrax Double Rail Plank

# Flooring Systems

Flooring is a key element in the Unwin range and offers flexible floor solutions that work in conjunction with all Unwin wheelchair and occupant restraint systems. Specifiers and bodybuilders need tried and tested solutions and both Innotrax and Unwin Integrated Rail continue to be trusted favourites.



## Surface Rail

Surface Rail is designed for floor mounting in vehicles where a conversion using a flush fitted rail is not possible. Surface mounted, it is simple and quick to fit into most vehicle floors, with a height above finished floor of only 13.5mm. Surface rail is a popular solution for a third point passenger restraint fitment ("cant rail") or a wall storage rail for unused equipment.

Surface Rail can be cut to length by special order.

## Heavy Duty Rail

Heavy Duty Rail considerably increases the structural integrity of the vehicle floor strength. Ideal for coach built conversions, it offers greater flexibility with fewer fixing points. Low profile rail can also be fitted into the side of the channels of the Heavy Duty rail for improved versatility of floor configuration.

Designed to be used with M8 steel bolt, the Heavy Duty rail is available as standard in 3.95m or 4.50m lengths.

**Unwin Rails are tested to M1 standard.**

## Solo Anchor System

Solo Anchor System is designed to be the ideal system for any vehicle with a dedicated wheelchair position and is often used in private cars, taxis, or, any mode of transport such as trains or coaches, where there is no requirement to change the travelling position of the wheelchair user.

The Solo Floor Anchor comes in three options, Standard, Static and Hi-Visibility. The System consists of a patented Floor Anchor which is permanently fixed to the vehicle floor and a Fixing Cleat.



## Innotrax

Innotrax is a flooring system that 'locks' together to form a perfect vehicle floor base. Available in various plank lengths and widths to create the ultimate flooring design, it can be especially tailored to suit individual vehicle requirements. Innotrax offers certified approval on a range of vehicles, eliminating the need for single vehicle testing, thus significantly reducing the cost to individual body builders and creating the widest possible choice for the specifier.

A fully tested system to M1 standard across a wide range of vehicles, from 11 major vehicle manufacturers.

## Innotrax Flat Floor

Innotrax Flat Floor is designed to maximise the internal space of the vehicle. In standard vehicle conversions, rear wheel arch intrusion limits the internal floor space and reduces then number of wheelchair and non-wheelchair occupants that can be transported. The Innotrax Flat Floor is bonded to a 100mm raised extrusion to allow suspension clearance and provides a smooth, comfortable ride for all passengers.

Specifically designed for the Mercedes Sprinter, Volkswagen Crafter and Iveco Daily, Innotrax Flat Floor has been fully tested to M2 standards to ensure maximum safety.

## Low Profile Rail

Easy installation and inherent strength makes this the first choice for many specifiers and bodybuilders. Recessed into the vehicle floor for a neat finish, with a height above the finished floor of only 3.5mm.

Low profile rail can be cut to length by special order.



**Contact us to Locate your Nearest Dealer**

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