

# Crashworthy tie-downs for HEAVY wheelchairs



World Leaders in Wheelchair Tie-Downs and Occupant Restraint Systems for over 50 years.

## The **TITAN** Range

*The Titan range of Heavy Duty wheelchair tie-down systems have been specifically developed for use with Transportable Wheelchairs up to a maximum unoccupied weight of 200kg.*

The Titan systems have all been dynamically tested with wheelchairs following the requirements of the International Standards ISO 10542-5 and ISO 7176-19.

The Titan range of tie-downs are suitable for use in wheelchair accessible vehicles of all Categories.

The **TITAN** range comprises of:

### **TITAN 1:**

- A generic webbing restraint designed to secure a wide range of transportable wheelchairs up to a mass of 200kg.
- A six point tie-down system to evenly spread the load of the wheelchair and securely fasten it to the vehicle floor.
- All webbing straps have built-in over-centre buckles, making the restraint fully adjustable.
- Available with ATF Track fixings or Unwin Solo anchorages for compatibility with different vehicle specifications.
- Karabiner hooks with closures are used to connect the restraint to the wheelchair securement points.

**BAIDER**  
be moved

For further information contact our dedicated support team:



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## TITAN 2, TITAN 3 and TITAN 4 Systems

These systems are designed for the securement of specific wheelchairs by Unwin Safety Systems acting in collaboration with wheelchair manufacturers and have been tested following the requirements of ISO 10542 Part 5.

Each system is designed with the following features,

- Longer and stronger webbing to suit the design of the respective chairs.
- A bespoke double plunger mechanism that evenly spreads the weight of the wheelchair and securely anchors the restraint to the vehicle floor.
- The rear tie-downs are fitted with Snaplock fixings for fast and efficient securement of the wheelchair.
- The over-centre buckle mechanism makes the restraints fully adjustable.
- The front straps uses Karabiner hooks for quick and easy attachment to securement points on the wheelchair frame.

### TITAN 2:

A 4 point tie-down system developed by Unwin for use with the following transportable wheelchairs:

**Invacare Zephyr**

**Balder F290, F280 and F270**

**Handicare Puma Y.e.S and Beagle Y.e.S**

### TITAN 3:

A 4 point tie-down system developed by Unwin for use with the following transportable wheelchair:

**Invacare Storm 3**

### TITAN 4:

A 4 point tie-down system developed by Unwin for use with the following transportable wheelchair:

**Invacare TDX, Typhoon I and Typhoon II**

The development of Unwin wheelchair tie-downs is a continuous process and wheelchair applications are added on a regular basis.

Please contact Unwin Safety Systems or go to the website for full product updates.



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