

Wheelchairs in Vehicles - Crash Testing V2

E-Zec Medical believes it is important to keep in touch with its valued staff.

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All wheelchairs that are owned by E-zec Medical comply with **ISO/DIS 7176 -19 standards**. So are crash tested. It is important that when a service user is transported in their own wheelchair it also conforms to the standard and is therefore suitable to be used as a seat in a vehicle for the transportation of wheelchair users.

ISO 7176-19 Crash Test Standard

The wheelchair crash test was derived from the crash test already used in the car industry. Wheelchairs are crash tested at a speed of 48kph and an impact deceleration of 20g. The test dummy is limited to a maximum weight of 75kg (54kg for children).

E-zec Medical's wheelchair tie-down systems and personal restraint systems are in accordance with **ISO 10542-2**.

How do you know a wheelchair is crash tested?



1. Wheelchairs that have been manufactured and suitably tested for secure use within a suitable vehicle can be marked clearly on the wheelchair with anchor symbols featured on the frame of the wheelchair, similar to the image to the left.

2. If the wheelchair does not have an visual anchor symbol, then the staff **MUST** check with control who can check that the wheelchair is of a type suitable for securing on a vehicle.

Note:

Not all 'crash tested' wheelchairs have the anchor symbols as this was an EU recommendation and a majority of wheelchairs are now manufactured outside the EU

Important

Ensure that the wheelchair occupant is wearing the restraining belts



Always report any faults



Only use equipment you have been trained to use



Ensure that all concerned are safe.



Patient **MUST** be forward facing in the wheelchair



This is all part of your T.I.L.E.E Dynamic Risk assessment



Red – secure occupant
Blue – secure wheelchair

HUB - RA-EQP-11 Ambulance Wheelchair - Risk Assessment