

## Passenger Transportation Using a wheelchair equipped with Alber twion M24 as a seat in vehicles



Alber twion M24 is an add-on drive unit which can be mounted on different kinds of wheelchairs. To assure the security of the wheelchair user also in matters of using the wheelchair as a seat in vehicles (e.g. cars or vans), Alber made crash-tests according to ISO 7176-19 to verify the influence of the add-on drive to the manual wheelchair. For this reason, the same crash-test was performed with and without add-on drive unit. Based on this result, transportation in the wheelchair combined with Alber twion M24 can be allowed if following points are fulfilled.

- Local law allows the usage of the wheelchairs as seats in vehicles
- Combination of wheelchair and add-on unit allowed and documented by Alber
- The manufacturer of the affected wheelchair has given clearance for the transportation of persons in vehicles
- Wheelchair is equipped for usage as a seat in vehicles
- Fixation of combination over a tie-down system according to ISO 10542
- Additional three-point safety belt for the person in the wheelchair

As the crash-test is a simulation of one crash situation, but cannot simulate all possible situations, Alber recommends reseating the person from the wheelchair in a fixed car seat.

Albstadt,  
2015-07-16

A handwritten signature in black ink, appearing to read "Ralf Ledda", written over a horizontal line.

Ralf Ledda  
Managing Director

A handwritten signature in black ink, appearing to read "Thomas Müller", written over a horizontal line.

Thomas Müller  
Product Manager