TiLite Pilot Transit Tie-Down Option

When the "Transit Tie-Down Option" is selected on the Permobil TiLite Pilot order form, the product ships with four factory-installed transit tie-down brackets for securing the wheelchair within the vehicle and the reinforced frame. The four tie-down brackets are used to secure the wheelchair within the vehicle using a four-point, strap-type wheelchair tie-down system. Permobil recommends that the occupant should be secured using a wheelchair-mounted pelvic belt and a vehicle mounted shoulder belt.

Permobil has crash tested its TiLite Pilot with Transit Tie-Down Option in accordance with ANSI/RESNA WC-4:2017, Section 19 - Wheelchairs Used as Seats in Motor Vehicles. The Permobil TiLite Pilot with Transit Tie-Down Option has been found to meet or exceed the performance requirements of this standard. In this test, a wheelchair is loaded with a suitable crash test dummy, accelerated to 30 mph and brought to a controlled stop, simulating an impact generating 20g on the crash test dummy. The chair tested used a 14" wide by 15" deep seat, and it was loaded with a test dummy that certifies the chair as crashworthy up to 95 lbs occupancy. The Permobil TiLite Pilot with Transit Tie-Down Option was designed to be secured facing forward when used as a seat in a motor vehicle.

Permobil makes no claims that any other components or configurations have been tested beyond the above-described configuration. Please refer to the Permobil TiLite Pilot Owner's Manual available at www.Permobil.com for full information, including all warnings and restrictions, regarding the Permobil TiLite Pilot Transit Tie-Down Option. Permobil does not claim that its Transit Tie-Down Option will prevent injury or death in the event of a motor vehicle accident.

Annex E of ANSI/RESNA WC-4:2017, Section 19 provides a method of testing a wheelchair for its ability to accommodate vehicle-anchored pelvic and shoulder belts. The Permobil TiLite Pilot had an overall score of 11, for a rating of "Excellent", when tested in accordance with this standard.

The ease of access to, and maneuverability in, motor vehicles can be significantly affected by wheelchair size and turning radius. Smaller wheelchairs and/or wheelchairs with a shorter turning radius will generally provide greater ease of vehicle access and maneuverability to a forward-facing position.

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¹ Crash testing is a simulation of a frontal impact only. It does not simulate any other type of impact. Furthermore, Permobil wheelchairs are highly customized and can be ordered in millions of combinations and it is impossible to test every conceivable combination. Therefore, Permobil recommends that wheelchair users transfer to the vehicle seat when being transported in a vehicle. The vehicle seat offers the greatest degree of safety because it is secured to the chassis of the vehicle and is designed with the primary purposes of protecting the occupant in a crash. By contrast, the primary purpose of any wheelchair is to maximize mobility, which in turn requires that the product be as light as possible. As of this date, the U.S. Department of Transportation has not approved any tie-down system for transportation of a user while in a wheelchair in a moving vehicle of any type.