

WC18 • WC19

In recent years the wheelchair securement industry has experienced important changes in performance requirements and how wheelchair restraints & occupant securements systems are designed, tested and installed. The revised WC 18 and WC 19 standards, which replaced SAE J2249, were implemented to improve the safety of wheelchair passengers and their wheelchairs. AMF-Bruns, to comply with this voluntary standard, introduced the Platinum Protektor Series.

OVERVIEW



WC18 (Section 18 ANSI/RESNA WC-4) requires that WTORS withstand a sled impact test using a 30-mph/20g crash, a 187-lb. surrogate wheelchair and a 170-lb. midsize adult male crash-test dummy in which the lap belt is anchored to the vehicle. NOW, a securement system must be able to withstand the increased forces with an additional test in which the 170-lb crash test dummy is restrained by a lap belt that is anchored to the surrogate wheelchair.



WC19 (Section 19 ANSI/RESNA WC-1) Wheelchair Safety Standard addresses issues of wheelchair design and performance related to its use as seating in a motor vehicle, but its main purpose is to improve the safety and security of the wheelchair occupant during transportation. Therefore, WC19-compliant wheelchairs, or “transit” wheelchairs, are equipped with an array of features, such as:

- Anchor points for securing the transit wheelchair to the frame of the vehicle.
- An attachment point for occupant restraints to protect the safety of the wheelchair occupant.

RECOMMENDATIONS

- Use WC19 compliant wheelchairs.
- If your wheelchair is not WC19 compliant:
 - Sit front-facing towards the front of the vehicle.
 - Secure and use all four AMF-Bruns' Platinum retractors to your wheelchair (as recommended in our instructions).
 - Use the 3-point AMF-Bruns' occupant securement system.
- Remove any equipment mounted to your wheelchair that may come loose.
- Insist all 4 AMF-Bruns' Platinum wheelchair securement tie-downs are used to secure your wheelchair to the floor of the vehicle.
 - Use the AMF-Bruns' occupant securement.
 - Use the indicated securement points on the WC19 compliant wheelchair.



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