

Australian/New Zealand Standard®

Restraint systems for motor vehicles— Performance tests

Method 6: Determination of free-end device strength

METHOD

1 SCOPE This Standard sets out the method for determining the endurance of a seat belt free-end restraint device when subjected to tensile force on the limiting component, i.e. the adjuster.

2 REFERENCED DOCUMENT The following document is referred to in this Standard:

AS/NZS

2596 Seat belt assemblies for motor vehicles

3 DEFINITIONS For the purposes of this Standard, the definitions given in AS/NZS 2596 apply.

4 PRINCIPLE A defined force is applied so that resistance is provided by the free-end restraint device.

5 APPARATUS The following apparatus is required:

- (a) A device to clamp the seat belt webbing, and to apply a force of 9 kN to the component which limits passage of the free end.

NOTE: Special jaws are necessary to prevent excessive slip of the webbing and breakage of the webbing at the grips.

- (b) A timer to measure at least 30 s.

6 TEST SPECIMEN Test specimens comprising the free end, attached webbing, and the limiting component that limits free end travel shall be dry, unused, and not previously tested.

7 PROCEDURE The procedure shall be as follows:

- (a) Clamp the webbing, and fully extend it through the limiting component so that the free-end restraint limits any further extension.
- (b) Apply a tensile force of 9 kN to the strap so that the free end is pulled against the limiting component. Maintain this force for not less than 30 s.

8 REPORT The report shall include the following:

- (a) Sufficient description to identify the free-end restraint, the webbing, and the anchor.
- (b) A statement as to whether or not the free-end sustained the load and did not pass through the anchor.
- (c) The number of this Australian/New Zealand Standard, i.e. AS/NZS 4475.6.

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The following interests are represented on Committee CS/75:

Australian Association of Certification Bodies
Australian Automobile Association
Australian Automotive Aftermarket Association
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Consumers' Federation of Australia
Department of Transport and Regional Development (Australia)
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