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AMENDMENT 3 2006-07-01

Road vehicles — Anchorages in vehicles and attachments to anchorages for child restraint systems —

Part 1: Seat bight anchorages and attachments

iTeh STAMENDMENTI3: Specifications for the detection of use of ISOFIX CRS

IVehicules routiers 2 Andrages dans les véhicules et attaches aux https://standards.iteh_ancrages.pour/systemes de retenue?pour?enfants — 9f9a46e9d248/iso-13216-1-1999-and-3-2006

Partie 1: Ancrages près de la jonction dossier-coussin d'assise et attaches

AMENDEMENT 3: Spécifications pour la détection de l'utilisation de systèmes de retenue pour enfants ISOFIX



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 3 to ISO 13216-1:1999 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 12, *Passive safety crash protection systems*.

ISO 13216-1 describes a universal system for anchoring child restraint systems to vehicles.

The purpose of this system is to improve the overall safety performance of child restraints, particularly by improving the convenience of installation and reducing the risk of misuse.

To further increase the child security, solutions to recognize the use of child seat complying with the ISOFIX system, when fitted in a vehicle seating position equipped with airbags and to allow the disconnection of the airbags in the event of impacts are studied by car manufacturers.

Annex C hereafter describes a basic solution allowing detection with a reliable manner the presence of an ISOFIX child seat, when fitted into a vehicle.

WARNING — The purpose of Annex C is not to provide a method of verification of correct CRS attachment in the vehicle.

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Page 12, 5.2.2

Modify 5.2.2 as follows.

5.2.2 Dimensions

Dimensions for the portion of the CRS connector that engages the anchorage bar shall not exceed the maximum dimensions given by the envelope in Figure 8.1 and not be less than minimum dimensions given in Figure 8.2.



Figure 8.1 — Maximum dimensions of the connector

Dimensions in millimetres



Figure 8.2 — Minimum dimensions of the connector

In the locked position around the ISOFIX bar, the maximum clearance between latch and bar shall not be greater than 1,5 mm (see Figure 8.3).



Figure 8.3 — Maximum clearance between latch and ISOFIX bar

Key

1

After Annex B, page 18, add Annex C as follows.

Annex C

(normative)

Method for the detection of use of ISOFIX CRS

C.1 Scope

The present annex is applicable to ISOFIX CRS and specifies a method to detect the use of such ISOFIX CRS into vehicles.

C.2 Principle

The principle of detection is based on the variation of a magnetic field when the ISOFIX connector of the child seat moves forward the ISOFIX anchorage bar of the vehicle.

C.3 Apparatus iTeh STANDARD PREVIEW See Figure C.1. (standards.iteh.ai)

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Dimensions in millimetres



а CRS equipped with connectors narrower than 15 mm shall provide guides to ensure the centering of connector above the magnet.

Figure C.1 — Detection test apparatus — side and plan views

1

4

5

6



Key

- 1 induction at point A
- 2 point B position
- 3 ISOFIX connector detected
- 4 $F_2 \approx 0,115 T$
- 5 $\bar{F_1} \approx 0,110 T$
- 6 ISOFIX anchorage axis
- 7 ISOFIX connector non detected STANDARD PREVIEW
 8 area in which the ISOFIX connector presence cannot reliably be determined
- 8 area in which the ISOFIX connector presence cannot reliably be determined (standards.iteh.ai)

Figure C.2 — Induction graph ISO 13216-1:1999/Amd 3:2006

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