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Report 09.25849-2

Inspection report relating to the crash safety of a seating systems with 7 different types with 4 Mounting kits versions according to ISO 7176-19, with mark: Eureva BV, model: iX-iT

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Date 19 March 2010

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Research period Week 52 – 2009 and week 1 – 2010

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Project name Crash safety of 7 seating systems
Project number T09.25849

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Abstract

Four different Mounting Kits from the seating system iX-iT exist of three types designed for wheelchairs, have been tested according to the international standard ISO 7176-19 [1]. Trade mark: Eureva BV, type: iX-iT - seizes S, M and L 1), versions: -.

iX-iT type L52 has the most large sizes and has been used during the crash test.

The tests have been performed in order to judge whether or not the products meet the requirements of the above-mentioned standard. The conclusion is that the above-mentioned products shows compliance with the applicable requirements of this standard.

The iX-iT seating systems are connected with respect to four different mounting kits. These mounting kits were used during the crash safety test and usable as follows:

- as type I, for wheelchair frame such as Handicare Base One / Kontiki and permobil;
- as type II, for wheelchair frame such as Ligtfoot Products Legio;
- as type III, for wheelchair frame such as Handicare Ibis series and permobil;
- as type IV, for wheelchair frame such as Revab Canto Nxt and Permobil.

See Appendig G for more information

Auszug

Ein Sitze mit vier verschiedene Sizes, entworfen für Rollstühle, wurden geprüft gemäß der Norm ISO 7176-19 [1]. Warenzeichen: Eureva BV, Typ: iX-iT - seizes S, M and L 1), Fassung: -, wurde gemäß der Norm ISO 7176-19 [1] geprüft.

Die Tests wurden durchgeführt um herauszufinden, ob der Rollstuhl den entsprechenden Anforderungen der oben genannten Norm entspricht. Die Tests haben gezeigt, dass das Produkt diese Anforderungen erfüllt.

- 1) the types of iX-iT exist of:
 - iX-iT type S : S44, S48 and S52;
 - iX-iT type M : M44, M48 and M52;
 - iX-iT type L : L44, L48 and L52.

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1 Introduction

1.1 Purpose

The tests have been performed in order to establish whether or not the products meet the applicable requirements of ISO 7176-19 [1].

1.2 Description of samples

Table 1

General	
Manufacturer	Eureva BV
Trademark	Eureva BV

Table 2

Sample number	Type	Mounting kit
S095206	iX-iT L52	Type I
S095207	iX-iT L52	Type II
S095208	iX-iT L52	Type III
S095209	iX-iT L52	Type IV

For a more detailed description of the product is referred to Appendix A.

The samples were submitted on Week 52 -2009.
The submitted samples were test worthy.

1.3 Sampling procedure

The samples have been submitted by the manufacturer.
The test house has had no influence on the selection of the samples.

1.4 Application

The request for testing was submitted by Eureva BV.
Order number: 25849.

1.5 Method of testing

All applicable tests have been performed according to ISO 7176-19 [1].

1.6 Put out to contract

The crash simulation safety test was conducted by TÜV Rheinland TNO Automotive International, Helmond, The Netherlands.

2 Test Results

Table 3

Requirement	Description	Pass/Fail/N.a.
4	Design requirements	
4.1	Wheelchair secure	Pass 1)
4.2	Wheelchair-anchored occupant belt restraints	N.a.
5	Performance requirements	
5.1	Wheelchair-anchored occupant belt restraints	N.a.
5.2	Frontal impact	pass 1)
5.3	Accessibility of secure points intended for use with four-point strap-type tiedowns	Pass 1)
6	Identification, labelling, user instructions, warning and disclosure requirements	
6.1	Identification and labelling	Pass 1)
6.2	Presale literature	Pass 1)
6.3	User and maintenance instructions	pass 1)

N.a. = Not applicable

1) see page 2

For detailed test results is referred to Appendix C.

3 Conclusion

A seating systems with four different types, designed for wheelchairs, trade mark: Eureva BV, type: iX-iT - seizes S, M and L 1), versions: -, shows compliance with the applicable requirements as stated in ISO 7176-19 [1].

The test results exclusively relate to the inspected object.

4 References

- 1 ISO 7176-19:2009,
Wheelchairs-Part 19: Wheeled mobility devices for use in motor vehicles
(ISO 7176-19:2008,IDT).
International Organization for Standardization, Geneva, 2008.

5 Signature

Signatures

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