



TEST REPORT RAPPORTO DI PROVA

Frontal impact on model TI-VAN Prova di urto frontale su allestimento TI-VAN

Customer (Richiedente):

- Dept./Firm (~~Ente~~/Società): TecnoIam S.r.l.
- Mr./Mrs (Sig./~~Sig.ra~~): Luca Seccacini
- Address (Indirizzo): Via Flaminia 2/b, I- 61030 Calcinelli di Saltara (PU)

Test Request Form no.:
Modulo Richiesta Prova n.:

MEC15070.00

Test Report sent to:
Rapporto inviato a:

Mr. Luca Seccacini

Name and Signature of the test engineer:
Nome e Firma esecutore prova:

Pietro Vergani

Name and Signature of the Technical reviewer:
Nome e Firma del Revisore tecnico:

Maurizio Leone

Date of test samples receipt:
Data ricevimento campioni:

2015-02-10

Date of test execution:
Data esecuzione prove:

2015-04-10

Site of test execution (if different from the address in the footer):
Località esecuzione prove (se diversa dal piè pagina):

CSI S.p.A. V.le Lombardia, 20
I-20021 Bollate (MI)

Witness to the test:
Presenti alle prove:

Mr. Briscolini Renato

The test results contained in this Test report relate to the tested samples only.

I risultati del presente rapporto di prova si riferiscono esclusivamente al campione sottoposto a prova.

The integral reproduction of the present Test report is allowed; the partial reproduction must be authorized in writing by the Lab.

E' ammessa la riproduzione integrale del presente Rapporto di prova da parte del Richiedente; la riproduzione parziale dev'essere autorizzata per iscritto dal Laboratorio.

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Test report n.: MEC15070.00_TR
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Project manager:
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Issue date: 2015-06-18

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1 TEST SETUP

SETUP DI PROVA

1.1 SAMPLE IDENTIFICATION

IDENTIFICAZIONE CAMPIONE

- | | | |
|--------------|---|----------------------------------|
| 1.1.1 | Product/material subjected to test:
<i>Prodotto/materiale sottoposto a prova:</i> | TI-VAN |
| 1.1.2 | Description:
<i>Descrizione:</i> | Components installed in Vehicles |
| 1.1.3 | Level (Series product, prototype, etc.):
<i>Livello (Prodotto di serie, prototipo, ecc.):</i> | Series |
| 1.1.4 | Part number:
<i>Codice prodotto:</i> | not available |
| 1.1.5 | Serial number:
<i>N° Matricola:</i> | not available |
| 1.1.6 | Sample identification code:
<i>Codice identificativo del campione:</i> | not available |

1.2 AUXILIARY DEVICES

DISPOSITIVI AUSILIARI

/

1.3 TEST CONFIGURATION

CONFIGURAZIONE DI PROVA

According to regulation ECE R17 Annex 9

1.4 DIAGNOSTIC SYSTEM

SISTEMA DIAGNOSTICO

According to regulation ECE R17

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2 TEST LIST

ELENCO DELLE PROVE

Test Description	Reference document	Standardized	Differences
2.1 Frontal impact <i>Impatto frontale</i>	ECE R17 Annex 9 - frontal impact	No	Impact speed = 31,5 km/h

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3 TEST EQUIPMENT USED

APPARECCHIATURE UTILIZZATE

Test equipment of CSI laboratory

Test report no.0089\ME\CRH\15

4 ENVIRONMENTAL CONDITIONS

CONDIZIONI AMBIENTALI

4.1 ROOM TEMPERATURE TEMPERATURA AMBIENTE

20,9 °C

4.2 RELATIVE HUMIDITY UMIDITA' RELATIVA

Not detected

4.3 PRESSURE PRESSIONE

Not detected

5 MEASUREMENT UNCERTAINTY

INCERTEZZA DI MISURA

Test report no.0089\ME\CRH\15

6 SAMPLING PLAN

PIANO DI CAMPIONAMENTO

Sample selected by the customer.

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7 TEST AND/OR MEASUREMENT RESULTS

RISULTATI DELLE PROVE E/O MISURE

7.1 TEST N.1

PROVA N.1

Components series TI-VAN installed in FIAT SCUDO vehicle body

7.1.1 TEST OBJECTIVE

SCOPO DELLA PROVA

The FIAT SCUDO vehicle body, equipped with components for commercial vehicles TI-VAN, has been subjected to the same deceleration prescribed by regulation ECE R17 and directive 74/408/CE for the frontal impact

Impact speed = 31,5 km/h

Bags filled with sand ballast

Total load = 170 kg (supplied by the manufacturer)

7.1.2 TEST RESULTS

RISULTATI DI PROVA

The requirement 20 g / 30 ms is met

After the test, following was noted:

- no recognizable fractures of any of the safety relevant components
- no loosening of attachment parts

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8 REMARKS

NOTE

Test performed by CSI Laboratory under supervision of TÜV SÜD Italia

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9 APPENDIX

APPENDICE

9.1 PHOTO DOCUMENTATION

DOCUMENTAZIONE FOTOGRAFICA



FIAT SCUDO vehicle body



TI-VAN before the test

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TI-VAN before the test



TI-VAN before the test

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TI-VAN after the test



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TI-VAN after the test



TI-VAN after the test

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TI-VAN after the test



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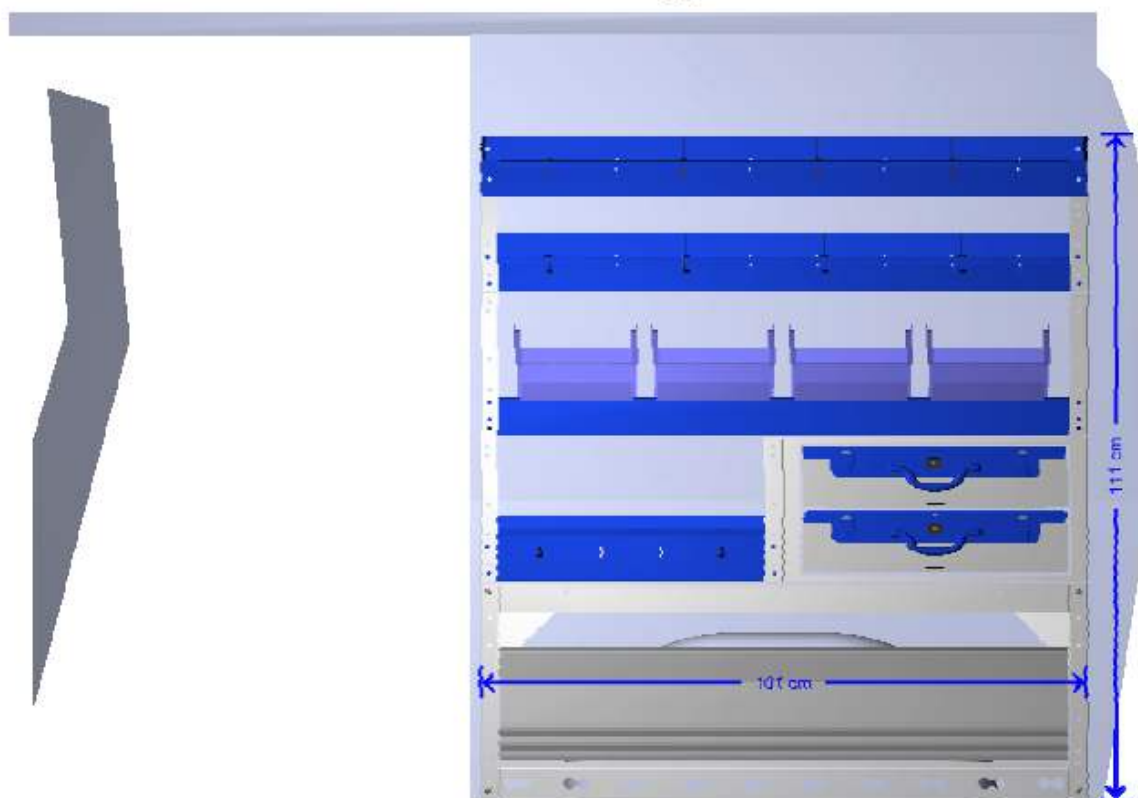
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9.2 ATTACHMENTS

ALLEGATI

Vista Lato Passeggero



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Vista Lato Guida



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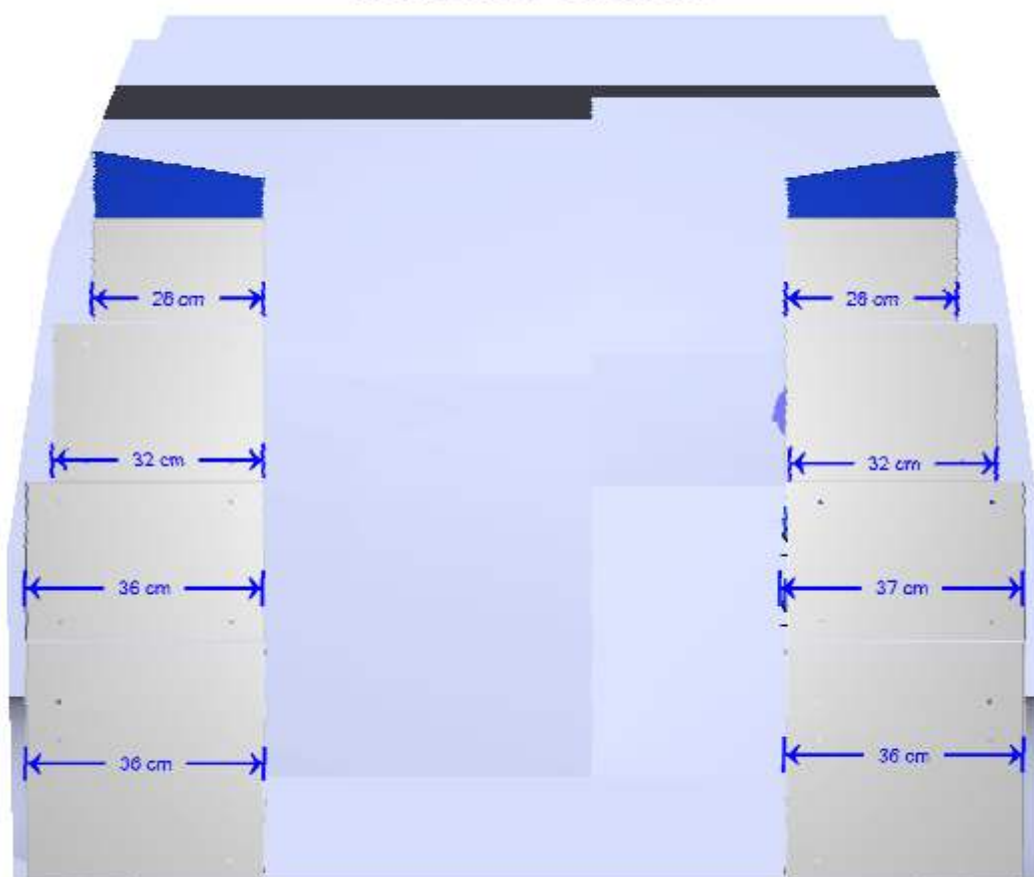
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Vista Lato Posteriore



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