



**Componenti e
tecnologie per
Il veicolo industriale**

DIN 76051 Wheel Chock Test



Tipo.: **70 023-111**
(Calzatoia DIN 76051-D53Z)

Produttore: **RECO s.r.l.**
I – 23870 Cernuso L. (Lecco)

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Report

On the wheelchock test following the DIN 76051 “Wheel chocks for vehicles,
semi-trailers and trailers”
(Version dated November 1992)

0. General

- 0.1. Name and address of the test laboratory
TÜV AUTOMOTIVE GmbH
Typprüfzentrum Böblingen
Otto-Lilienthal-Str. 16
D-71034 Böblingen
- 0.2. Producer' s name and address:
RECO s.r.l.
Via Regina 12/14
I – 23870 Cernuso L. (Lecco)
Italy

1. Indications regarding the test sample

- 1.1. Component type: Wheelchock
- 1.2. Name and dimensions: DIN 76051-D53Z
- 1.2.1. Wheelchock marking: DIN 76051-D53Z
- 1.2.2. Wheelchock drawing n°: COD 70 023-111

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1.3. Main dimensions (mm):

Front support length: $a = 321 +2 / -0$

Back support length: $b = 146 +2 / -0$

Wheelchock width: $c = 200 +3 / -0$

Wheelchock height: $h = 232 + 2 / -0$

Anti-slipping bavel: on all the wheelchock length

Lingua di salita: $27 +1 / -1$

Vault radius in the contact area with the tyre $r = 560 +2$

Connection radius of the wheelchock height: $20 +2$

Wall thickness Not applicalble

1.4. Realization of the anty-slipping bavel: on all the chock' s width

1.5. Handle execution: with (D shaped)

1.6. Execution of **the lingua di salita:** on the entire width of the wheelchock

1.7. Material/production process: Polyethylen (Eraclene® - MP94)
made in multicellular / tubolar shape;

1.8. Anty-corruption measures: not applicable

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2. Indications regarding the test:

On the producer' s request the wheelchock test has been made with the vehicle put on a test track that has a 18% slope

2.1. Wheel load on the wheelchock

- fixed following the DIN = 6.500 Kg
- Effective test load = 6.890 Kg

2.2. Tyres, statical radius 530 mm

2.3. Street cover: asphalt

2.4. Place and date of the test: Sovico (MI), 13.03.2002

3. Test results

The tested chocks show a sufficient stability with a wheel load of 6890 Kg. The anty-slipping bavets are sufficently resistant.

Note:

The number of requirements that the wheelchocks must satisfy following the DIN 76 051 make reference to the iron material. By the execution of the tests forseen by the norm, the equivalency of the material described in this relation has been demonstrated.

4. Application Field

On vehicles, trailers and semitrailers with a maximum wheel statical load of 6.500 Kg (load axel 13.000 Kg) and with a statical radius of max 530mm.

5. Number of chocks

The number of chocks that must be on the truck depends on the vehicle and on the efficiancy of the chocks on an 18% slope. Generally also the vehicles with 2 axels must have 2 chocks. In case of doubt you must do a test on a slope.

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6. Enclosures

Drawing n. COD 70 023-111

7. Final certificate

The chock resistance is enough as long as the chocks correspond to the tested sample, consider the points 4 and 5, and as long as the use is made with care and using the exact number of chocks.

This report is made up by 4 pages and the enclosures.

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Unternehmensgruppe TÜV Süddeutschland
Gruppo TÜV Süddeutschland

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