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TECHNICAL REPORT

No. 375 - 0001 - 24 - ITA

Concerning the relationship test on wheel chocks according to norm DIN 76051 "Chocks for motor vehicles, semitrailers and towings"
(Version November 1992)

1. GENERAL DATA

1.1	Make:	RECO srl
1.1	Type:	70023115 – D46
1.3	Drawing n.:	70023115
1.4	Commercial name:	Pipes D46
1.5	Name and address of the manufacturer:	RECO s.r.l Via Olivetti, 9 23875 Osnago (LC)
1.6	Name and address of the test laboratory:	TÜV Italia s.r.l. TÜV SÜD Gruppe Viale Fulvio Testi 280/6 20126 Milano (MI) - Italia

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2. GENERAL INFORMATIONS

2.1	Type of component:	Wheel Chock
2.2	Denomination of the dimension:	D46
2.2.1	Marking of the chock:	RECO-DIN 76051-D46
2.2.2	Chock according to drawing n.:	70023115
2.3	Main dimensions [mm]:	
	Length front support:	a = 265
	Length post. support:	b = 124,5
	Width of the chock:	c = 162
	Height of the chock:	h = 189
	Antiskid dull:	Width 147; Length 104
	Climb strip:	Not applicable
	Turning radius of the area of contact with the tire:	r = 460
	Connection radius of the chock height:	15
	Thickness of the walls:	Not applicable
2.4	Making of antiskid dull:	Steel DX51D
2.5	Making of the handle:	D form
2.6	Making of climb strip:	Not applicable
2.7	Material / production procedure:	Steel DX51D, thickness 3 mm
2.8	Anti-corrosion measures:	Zinc coating

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3. TEST CONDITIONS SCHEDULE

3.1 Test description:

The wheel chock test has been executed with a vehicle on a track test with a slope of 17%. The axle load has been implemented, considering the value of the slope inferior to prescribed from DIN equal to 18%.

3.2 Vehicle used for the test

Mark:	Iveco
Type:	Eurocargo

3.3 Technic instruments used: FERVI – Digital Protractor

3.4 Place and date of the test: Missaglia (LC), 04.04.2024

3.5 Ground track: Asphalt

3.6 Tyres, static radius: 447,5 mm

3.7 Load wheel on the chock:

- Prescribed from DIN 5.000 kg
- Effective load of the test 5.885 kg

4. TEST RESULTS

The wheel chock under the test, produced in HDPE, has shown enough stability with a wheel load equal to 5.885 kg.

5. APPLICATION FIELD

On motor vehicles, semitrailers and towings with a static wheel load of max. 5.000 kg (axle load 10.000 kg) and with a static radius max. 460 mm.

6. CHOCKS QUANTITY

The number of the wheel chocks that must be found on the vehicle depend on the type of vehicle and the efficiency of the wheel chock in a slope of 18%. Moreover, on two axles vehicles, two wheel chocks must be use. If in doubt it is necessary to carry out a new test in slope condition. The test has been passed with only ONE wheel chock on the axle.

7. ATTACHEMENTS

1 - Test photo
2 - Drawing n. 70023115
3 – Statement, by the manufacturer, of the materials used to produce the wheel chock

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8. FINAL CONFIRMATION

The resistance of the wheel chock is sufficient on condition that the wheel chock corresponds to the tried sample, see points 5 and 6, and the use its applies, accurately, to the exact number of wheel chocks.

Through the execution of the tests contained in the norm it has been demonstrated equivalence between steel material and the material described in this technical report.

This report to consist of n.8 pages and attachments

The partial reproduction and the publication of this test report it must be authorized from the Test Laboratory.

Test report filled by:
Eng. Massimo Gustato

Recognized expert:
Ing. Pietro Vergani

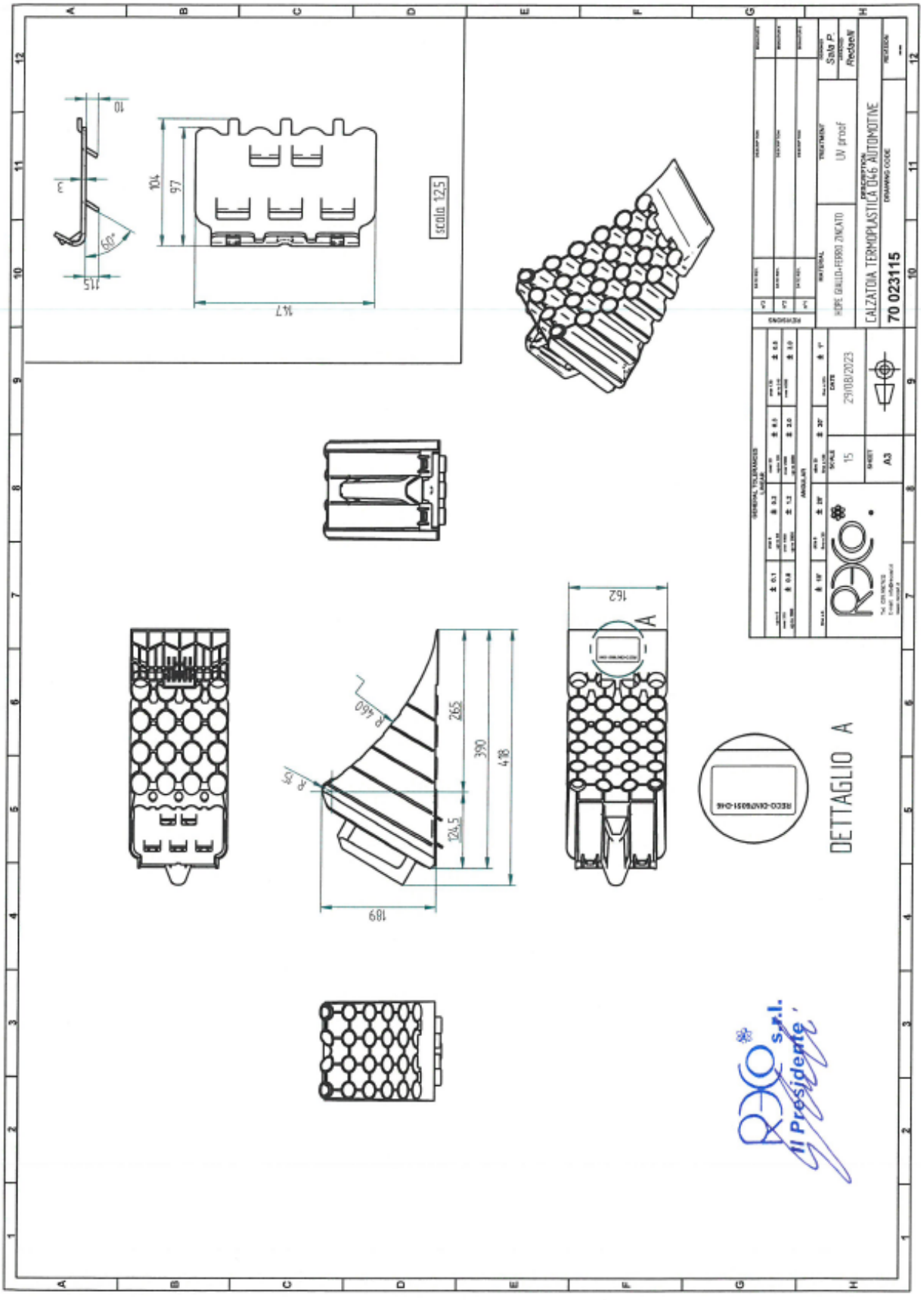
mg Milan (MI), 05 of April 2024

Annex 1

Test photo

Annex 2

Drawing n. 70023115



Annex 3

Statement of Material used on manufacturing of wheel chock tested

Componenti e tecnologie
per il veicolo industriale

Osnago 21/03/2024

TUV

ING. Gustato Massimo

OGG: test cuneo fermaruota Pipes D46 norma DIN76051

Con riferimento a quanto in oggetto si dichiara il materiale impiegato per la realizzazione del cuneo Pipes D46:

Versione 70023115:

Materiale Plastico : HDPE

Piastra metallica : acciaio prezincato DX51D+Z100

Cordialmente

RECO srl

Amministratore Delegato

Ing. Guido Redaelli

s.r.l.
Il Presidente

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per il Veicolo Industriale

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