

Expert Technical Statement

with respect to the occurence of a possible endangerment in the sense of §19/2 StVZO

No.: TZ-028438-B0-260_Engl

Vehicle Part :	SPECIAL HUBCAPS (hubcaps disengaged from wheel rotation)
type:	RIGIDISC B&T-Line
of Manufacturer:	Rigidisc Media Inc. 2604 Nothampton Ave. Orlando, Fl. 32828 USA

1. Range of Application

The special hubcaps described in paragraph 2 are being used exclusively on wheels of categorie N (trucks) and D (busses) with maximum speed of 100 km/h and with a wheel size of 22,5 inches while observing the prescription described in paragraph 4

Instructions to Vehicle Keeper

An acceptance test of the part is not being considered as required

However, for proof of the part's adherence to prescriptions, it is recommended to always keep this expert technical statement in the vehicle to enable its presentation to authorized persons upon demand.

If desired by the vehicle keeper, an entry into the vehicle documents can be made. For this purpose, the vehicle must be presented to an officially recognized expert. The vehicle title and this confirmation must also be submitted at that time.

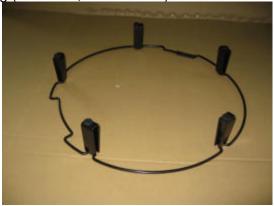
Gutachterliche St	ellungnahme Nr.: TZ-028438-B0-260_Engl	\frown
Auftraggeber	: Rigidisc Media Inc.	TIN NORD
	2604 Nothampton Ave., Orlando, Fl. 32828	Mobilität
Prüfgegenstand	: Sonderradkappen	Blatt 2 von 5
Тур	: RIGIDISC	28.03.2008

2. Description of parts (see photos)

Three-part special hubcaps consisting of attachment ring, cover disc and advertising disc as well as attachment parts in different versions being part of the delivery.

cover disc with bearing unit and attachment ring (version A, front wheels)





cover disc with bearing unit and attachment ring (version B, rear wheels))



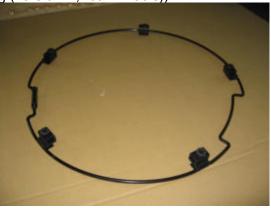




foto of mounting



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- **Cover Disc** with bearing unit outer diameter 595 mm, material : stainless steelplate with thickness 0,8 mm in 2 versions A and B:

A: with height of 100 mm for front axles B: with height of 44 mm für rear axles

attachment ring for attachment at the flange of steel wheels with size 22,5 inches.
 steel wire whelded design, powder coated in two versions (see fotos)
 A- height 95 mm
 B- height 39 mm

 advertising plate material: alloy, outer diameter 560 mm with with edge-protective adhesive tape

2.1 Marking:

Type label sticker at backside of advertising plate



2.2 Technical Data of Special Hubcaps:

The fixing of the attachment ring to the wheel is made by a spread nut with counter nut as a clambing seat in the rim flange. During the mounting process, the attachment disc will automatically center itself onto the wheel. Final adjustment can be made by using the long holes in the cover disc. The cover disc is screwed onto the attachment ring by means of 5 screws. The advertising plate is screwed by means of 4 screws onto the rotating flange of the bearing unit.

On the backside of the advertising plate an excenter weight is mounted which disconnects the disc from wheel rotation and –in normal operation- only allows pendulum motion.

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3. <u>Tests and Test Results</u>

Test basis are the prescription of StVZO as well as the directives issued for this.

In particular, the following tests were conducted:

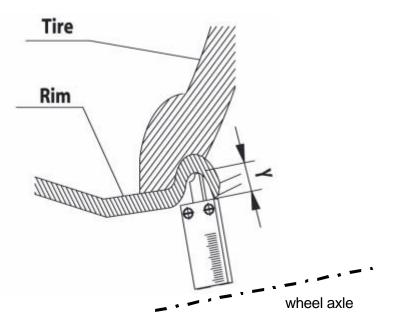
- Directive 74/483/EEC Exterior Surfaces
- Attachment
- Corrosion test according to DIN 50021
- Comparison testing of brake cooling (RDW-SPE-0655)
- Strength endurance test Type 1(roller test stand): 8000 km at speed of 120 km/h normal operation – no rotation
- Strength endurance test Type 2 (roller test stand):
 3300 km at speed of 120 km/h with locked plate and excenter weight of 300 g
- crack detection

Test Results:

All of the tests listed above have been concluced with positive test results. No damages were found on tested parts. The fixation of the parts is save and endurable.

4. Requirements

- 4.1 For attachment purposes, the mounting instructions must be observed. Only those attachment means that were part of the delivery may be used.
- 4.2 The inner height "Y" of the rim flange may not be less than 4 mm measured perpendiculary to the wheel axle otherwise a save fixation is not possible. (see painting)



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- 4.3 For the mounting the special hubcaps the following general restrictions are valid:
 The special Hubcaps may not extend externally more than 30 mm beyond the external chassis walls
 - The maximum width of the car may not be more than 2,55 m after mounting the Hubcaps
- 4.4 No retro-reflecting foil may be bonded to the exterior disc.
- 4.5 The tools for mounting must be kept in the vehicle at all times (tire change, air pressure controls)
- 4.6 An operation with snow chains is not permitted.

5. <u>Summarization</u>

There are no technical objections against the attachment of the described special hubcaps to steel wheels of N and O vehicles (trucks / busses) with size 22,5 inches. On account of the simple mounting and the distinct attachment position, it is not considered necessary to conduct an acceptance test.

An endangerment to traffic participants in the sense of §19, paragraph 2 StVZO is not being exptected.

In regard to §30c StVZO (exterior sufaces) the tested Hubcabs are an improvement compared with common systems.

Essen, Germany, 28.03.2008



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