

Expert Opinion

for the occurrence of a potential hazard
within the meaning of Section §19/2 StVZO (German Road Traffic Act)

No.: TZ-028470-80-270

(translation from original German text)

Vehicle part: RETAINING RINGS FOR WHEEL NUTS

Type: Safe Wheel

Applicant: SAFETY SEAL GmbH
Nikolaus-Otto Straße 29
19061 Schwerin

1. Field of Application

The locking rings described under part 2, for nuts destined used on wheels of vehicles of category N (truck), D (buses) and O (trailer) taking into account the conditions described in paragraph 4.

Notes for the vehicle owner

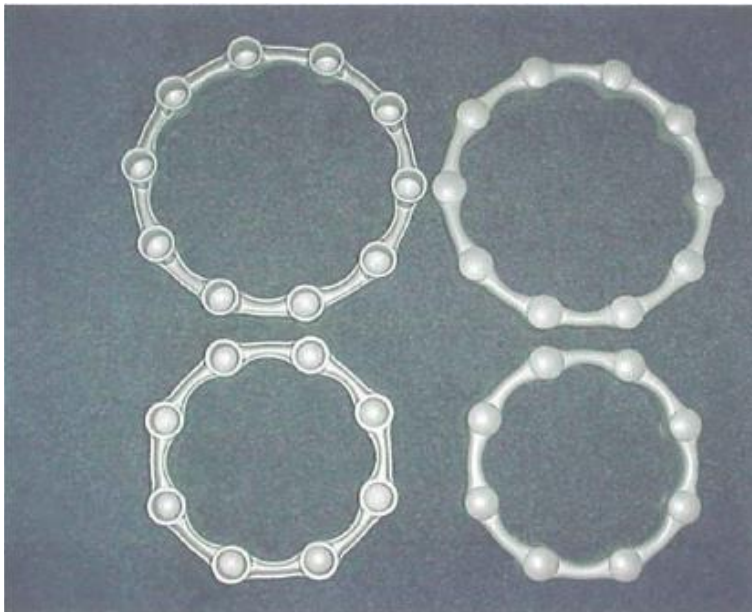
An approval of the locking ring is deemed unnecessary,

to prove the regularity of the part. It is advised to keep this expert opinion present in the vehicle, to be presented upon request during vehicle inspection.

At the vehicle owner's request, an entry in the vehicle's documents can be made. For this purpose, the vehicle should be brought before a licensed inspector and presented together with Part 2 of this certificate.

2. Description of the conversion (see also photo)

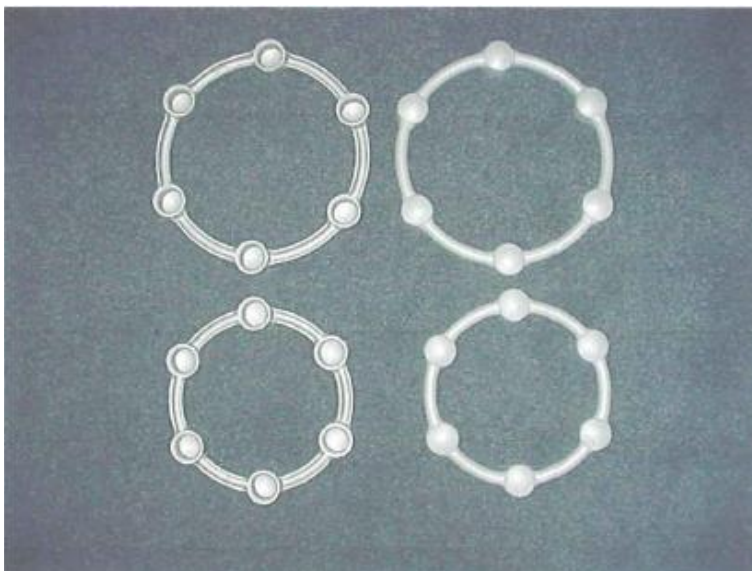
One-piece retaining rings for nuts in 4 versions:



Article 433510330:
(22.5" - 335/10 - Hex 33mm)
Identification number:
3351033

Article 433510300:
(22.5" - 335/10 Hex 30mm)
Identification number:
-unavailable-

Article 427508330:
(19.5" - 275/8 - hex 33 mm)
Identification number:
275-8



Version 424506270:
(17.5" - 245/6 - Hex 27mm)
Identification number:
2450627

Version 420506270:
(17,5" - 205/6 - Hex 27mm)
Identification number:
2050627

2.1 Marking:

Impression from the inside

Safe Wheel plus identification number

2.2 Technical information on the cover rings:

Main dimensions (mm)	Outer Diameter	height
Version 60170	384	45
Version 60171	320	45
Version 60172	287	30
Version 60173	246	30
Version 60174	380	45

Material: polyethylene

Fitting: The plastic retaining rings are pressed onto the wheel nuts that are to be secured, or alternatively driven on using a plastic faced hammer. Retention is achieved by the multi-tooth profile on the inside surface of the cups. Removal is carried out by means of the associated removal lever.

3. Tests and Results

Tests carried out on the basis of the provisions of the Road Traffic Act and the guidelines adopted thereby.

In particular, tests were performed for the following:

- Directive 92/114/EEC - external projections
- Fitting (stretching test)

Test results:

The above tests have been completed with a positive test result.

The fitment of the parts was safe and permanent.

That material used is suitable for the intended use.

4. Conditions

The following restrictions apply in use:

- 4.1 The retaining covers over the wheel nuts may protrude a maximum of 30 mm beyond the vehicle's bodywork. The total width of the vehicle may not exceed 2.55 m.
- 4.2 The hexagons of the wheel nuts must have a width across corners of between 35.8 and 37 mm or between 30.4 and 32 mm. The height of the hexagon must be at least 15 mm.

5. Summary

There are no technical objections against the installation of the described retaining rings for nuts on vehicles of categories N, D and O.

Additional maintenance checks are deemed unnecessary due to the ease of installation and the unique mounting position.

A hazard for road users within the meaning of Section 19, para. 2 StVZO is not expected.

Geschäftsstelle Essen, den 08.03.2013



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