

Technical Report No.: 23041 – 09 - TAC
 Technical Regulation No.: UNECE No. 26.03, DIN 75302,
 Manufacturer: ASN HAKR Brno s.r.o., Újezd u Brna, Czech Republic
 Type: CYKLO SPEED ALU PROFI

TECHNICAL REPORT No. 23041 – 09 – TAC

Test according to ECE Regulation No. 26.03

Uniform provisions concerning the approval of external projections

Test according to DIN 75302

Roof baggage racks for passenger cars – technical safety requirements and tests

Methodology according to ECE No. 26.00 date of entry into force: 01. 07.1972
 including all amendments up to and including:

ECE No. 26.03, supplement 1 date of entry into force: 11. 06. 2007

Methodology: Standard DIN 75302 dated 31. 08.2006

Objectives: Document for issue of certificate of technical worthiness

I. Technical data

- 0.1. Make (trade name of manufacturer): HAKR
- 0.2. Type: CYKLO SPEED ALU PROFI
- 0.2.1. Commercial name: Roof cycle carrier
- 0.3. Name and address of manufacturer: ASN HAKR Brno s.r.o.
Štefánikova 413 664 53 Újezd u Brna
- 0.4. Category of vehicle: M1 and N1 vehicle category
- 0.5. Carry capacity 25 kg

II. Test report

1. Test conditions

- 1.1. Test sample: Roof cycle carrier type
CYKLO SPEED ALU PROFI
- 1.2. Test procedures used:
- 1.2.1 According to ECE Regulation No. 26, Para.6.16 Luggage racks and ski racks

TÜV SÜD Auto CZ s.r.o., ECE/UN Technical Service No. E8/C

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2/3

- 1.2.1.1 Measuring and test equipment: Measure gauges, radius gauges, sphere profile form $\varnothing$ 100 mm
- 1.2.2 According to Standard DIN 75302 (City crash)
- 1.2.2.1 Measuring and test equipment: Propulsion system EPJ TÜV SÜD Auto CZ, impact carrier NV 03, digital high-speed camera REDLAKE 100K, electric stop-watch with impact sensor, hydraulic brake INOVA, deceleration sensor Endevco
2. Test results
- 2.1 ECE No. 26 – external projections Para.6.16 Luggage racks and ski racks
The outer surface has no spiky or sharp projections increasing by their shape, dimensions, direction and hardness risk of injury of person colliding with the body and sliding on the body after the collision.
- 2.2 Standard DIN 75302 (City cash for M1 vehicle category)
The luggage rack suffered the dynamic test under 6 g and pulse duration of 30 ms.
It conforms to requirements of the Standard DIN 75302 under 6 g load in duration of 30 ms.
3. Specimen submitted to test on: 2009-03-09
4. Date of test: 2009-03-09

III. Attachments

No attachments

The results presented above have been measured/found in the No. 1107 laboratory accredited by CAI according to the ISO/IEC 17025 standard and relate only to the items tested. The final assessment exceeds the accreditation scope.

Measuring and test equipment and test site meet the requirements of the applicable legislation. This report must never be reproduced incomplete without a written permission of the testing laboratory.

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Auto CZ

3/3

IV. Final assessment

The described sample

complies

with the requirements of ECE Regulation No. 26 and Standard DIN 75302
for issue of approval certificate

This technical report consists of pages No. 1 to 4

Jan Zdeněk

Bohuslav Kovanda

Test executive

Officially recognized expert

Prague, 2009-03-12

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Roof cycle carrier type CYCLO SPEED ALU PROFI