
**Truck and bus tyres — Method
for measuring relative wet grip
performance — Loaded new tyres**

*Pneumatiques pour camions et autobus — Méthode de mesure de
l'adhérence relative sur revêtement mouillé — Pneumatiques neufs
en charge*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*.

This second edition cancels and replaces the first edition ISO 15222:2011 which has been technically revised.

The main changes compared to the previous edition are as follows:

- the SRTT for tracks validation has been changed (from SRTT 14" to SRTT 16" due to SRTT 14" discontinuation);
- the SRTT selection rules (wide SRTT or narrow SRTT) have been revised;
- test results' calculations and validation have been clarified and simplified;
- the wording and designations have been aligned with ISO 23671 for better consistency.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Truck and bus tyres — Method for measuring relative wet grip performance — Loaded new tyres

1 Scope

This document specifies the method for measuring relative wet grip braking performance index to a reference under loaded conditions for new tyres for use on commercial vehicles on a wet-paved surface.

The methods developed in this document are meant to reduce the variability. The use of a reference tyre is necessary to limit the variability of the testing method procedures.

This document applies to all commercial vehicle, truck and bus tyres.

This document does not apply to:

- tyres fitted with additional devices to improve traction properties (e.g. studded tyres);
- professional off-road tyres.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4209-1, *Truck and bus tyres and rims (metric series) — Part 1: Tyres*

ISO 4223-1, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres*

ISO 23671, *Passenger car tyres — Method for measuring relative wet grip performance — Loaded new tyres*

ASTM E965-15, *Standard Test Method for Measuring Pavement Macrottexture Depth Using a Volumetric Technique*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4223-1 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

test run

single pass of a loaded tyre over a given test surface

3.2

candidate tyre

T

test tyre that is part of an evaluation programme