
Road vehicles — Motor vehicles with hydraulic braking systems with and without antilock device — Measurement of braking performance

Véhicules routiers — Véhicules à moteur avec dispositif de freinage hydraulique avec et sans dispositif antiblocage — Mesurage des performances de freinage



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6597 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 2, *Braking systems and equipment*.

This third edition cancels and replaces the second edition (ISO 6597:1991), which has been technically revised.

Annexes A to I form a normative part of this International Standard.

Road vehicles — Motor vehicles with hydraulic braking systems with and without antilock device — Measurement of braking performance

1 Scope

This International Standard specifies the method of testing the hydraulic braking systems of vehicles of categories M and N (with and without antilock device) which are built to comply with ECE-R 13/09 without supplements. The values given in square brackets are taken from ECE Regulation No. 13 for information.

Hydraulic braking systems include vacuum-assisted and power hydraulic-assisted braking systems as well as full power hydraulic braking systems.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ECE Regulation No. 13, *Uniform provisions concerning the approval of vehicles with regard to braking, incorporating the 09 series of amendments without supplements*

3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

3.1

vehicle categories as defined in R.E.3, the Consolidated Resolution on the Construction of Vehicles
category **M**: power-driven vehicles having at least four wheels and used for the carriage of passengers
category **N**: power-driven vehicles having at least four wheels and used for carriage of goods

3.2

categories of antilock device (ABS) as defined in ECE R 13, Annex 13

category **1**: that which meets all the requirements of ECE R 13, Annex 13

category **2**: that which meets all the requirements of ECE R 13, Annex 13 except paragraph 5.3.5

NOTE 1 No braking rate on split-adhesion surfaces is prescribed.

category **3**: that which meets all the requirements of ECE R 13, Annex 13 except paragraphs 5.3.4 and 5.3.5

NOTE 2 All split-adhesion tests are omitted.