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Motorcycles — Methods for setting running resistance on a chassis dynamometer

Motorcycles — Méthodes pour fixer la résistance à l'avancement sur un banc dynamométrique



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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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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 2.

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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11486 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 22, *Motorcycles*.

This second edition cancels and replaces the first edition (ISO 11486:1993), which has been technically revised.

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Introduction

While ISO 11486:1993 gave only a running resistance setting method by coastdown method for the purpose of fuel consumption measurement, this edition of ISO 11486 has been prepared with the aim of establishing the general setting method that is usable for both exhaust emission testing and fuel consumption testing covering high-speed range driving.

In addition to the coastdown method, the table method is introduced in this edition of ISO 11486. In the coastdown method, the running resistance of each motorcycle is measured individually on the road, and the measured running resistance is reproduced on a chassis dynamometer. The table method is a simple setting method, where the running resistance value of the motorcycle is determined only with its equivalent inertia mass.

When this International Standard is applied to the exhaust emission test or the fuel consumption test, it is essential to follow the requirements specified in those test methods.