

BS ISO 7116:2011



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Mopeds — Measurement method for determining maximum speed

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee AUE/14, Motor cycles and mopeds.

A list of organizations represented on this committee can be obtained on request to its secretary.

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ISBN 978 0 580 62077 5

ICS 43.140

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2011.

Amendments issued since publication

Date	Text affected
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INTERNATIONAL STANDARD

BS ISO 7116:2011

ISO
7116

Third edition
2011-02-01

Mopeds — Measurement method for determining maximum speed

*Cyclomoteurs — Méthode de mesure pour déterminer la vitesse
maximale*



Reference number
ISO 7116:2011(E)

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Published in Switzerland

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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.

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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 7116 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 23, *Mopeds*.

This third edition cancels and replaces the second edition (ISO 7116:1995), which has been technically revised.

Introduction

In this third edition of ISO 7116, all the test methods and conditions, such as accuracy of measuring system and climatic conditions, are reviewed and updated for the purpose of obtaining measurement results with higher accuracy.

The test method and conditions on circle type test tracks, which are used in several regions, are also revised substantially in view of the similarity with testing results on straight test tracks.

Mopeds — Measurement method for determining maximum speed

1 Scope

This International Standard specifies a method for determining the maximum speed of a moped as defined in ISO 3833.

2 Normative references

The following referenced documents are indispensable for the application 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 6726, *Mopeds and motorcycles with two wheels — Masses — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions in ISO 6726 and the following apply.

3.1

maximum speed

$v_{\max}$

highest steady speed of test moped

3.2

moped kerb mass

m_k

Moped dry mass to which is added the mass of the following:

- fuel: tank filled at least to 90 % of the capacity specified by the manufacturer;
- auxiliary equipment usually supplied by the manufacturer in addition to that necessary for normal operation

EXAMPLES Tool-kit, carrier(s), windscreen(s), protective equipment, etc.