

Mopeds — Measurement method for location of centre of gravity

ICS 43.140

National foreword

This British Standard reproduces verbatim ISO 8705:2005 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee AUE/14, Motorcycles and mopeds, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 17 and a back cover.

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Mopeds — Measurement method for location of centre of gravity

*Cyclomoteurs — Méthode de mesure de l'emplacement du centre de
gravité*



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Foreword

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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 8705 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 23, *Mopeds*.

This second edition cancels and replaces the first edition (ISO 8705:1991) which has been technically revised.

Introduction

The stability of a moped is a very important element of its active safety. The moped/rider combination and the environment in which this combination is used form a unique closed-loop system. However, the evaluation of the moped/rider combination stability is extremely complex because of interaction of the intrinsic moped stability, the influence of position of the rider and his response to continuously changing conditions.

In the evaluation of moped stability, the determination of the kinetic characteristics of the moped/rider combination is considered an important part of the design parameters of the vehicle itself.

The test procedure described in this International Standard deals with one aspect of the kinetic characteristics: the determination of the centre of gravity of the moped and of the moped/rider combination.

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