
**Agricultural tractors — Test
procedures —**

**Part 6:
Centre of gravity**

Tracteurs agricoles — Méthodes d'essai —

Partie 6: Centre de gravité

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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).

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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 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 2, *Common tests*.

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.

This second edition cancels and replaces the first edition (ISO 789-6:1982), which has been technically revised. It also incorporates the Amendment ISO 789-6:1982/Amd.1:1996. The main changes compared to the previous edition are as follows.

- The terms and definitions have been updated to reference ISO 789-13.
- A requirement for a mass in the driver's seat has been added in [5.2](#).
- A requirement for locking the suspension has been added in [5.4](#).
- A new method has been added for alternative determination of vertical coordinate ($\bar{h}$) in [6.3.8](#).
- [Figures 4 to 12](#) and [Tables 1 to 4](#) have been added to support the method described in [6.3.8](#).

A list of all parts in the ISO 789 series can be found on the ISO website.

Introduction

This document specifies test procedures for agricultural tractors. It deals with the centre of gravity.

Although there are many possible methods of determining the centre of gravity, the purpose of this document is to specify a simple, practical method, which requires the use of a weighbridge and crane. Alternative methods can be used if they locate the centre of gravity with respect to the specified reference planes and within the specified tolerances.

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