PÕLLUMAJANDUSTRAKTORID
Katsetusmeetodid
Osa 6: Raskuskese

Agricultural tractors
Test procedures
Part 6: Centre of gravity

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-ISO 789-6:2004 "Põllumajandustraktorid. Katsetusmeetodid. Osa 6: Raskuskese" sisaldab rahvusvahelise standardi ISO 789-6:1982 + A1:1996 "Agricultural tractors - Test procedures - Part 6: Centre of gravity" identset ingliskeelset teksti.	This Estonian Standard EVS-ISO 789-6:2004 consists of the identical English text of the International Standard ISO 789-6:1982 + A1:1996 "Agricultural tractors - Test procedures - Part 6: Centre of gravity".
Standardi avaldamise korraldas Eesti Standardikeskus.	Estonian standard is published by the Estonian Centre for Standardisation.
Standard EVS-ISO 789-6:2004 on kinnitatud Eesti Standardikeskuse 24.08.2004 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teataja 2004. aasta septembrikuu numbris.	This standard is ratified with the order of Estonian Centre for Standardisation dated 24.08.2004 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from Estonian Centre for Standardisation.

Käsitlusala

Standard esitab üksikasjalikult (spetsifitseerib) põllumajandustraktorite katsetusprotseduurid (-meetodid). Standardi käesolev (kuues) osa käsitleb raskuskeset.

ICS 65.060.10 Põllutöötraktorid ja haagised

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 789/6 was developed by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, and was circulated to the member bodies in May 1981.

It has been approved by the member bodies of the following countries:

Australia	Finland	New Zealand
Austria	France	Poland
Belgium	Germany, F. R.	Portugal
Brazil	India	Romania
Bulgaria	Iran	Spain
Canada	Italy	Sweden
Czechoslovakia	Korea, Dem. P. Rep. of	Switzerland
Denmark	Korea, Rep. of	USA
Egypt, Arab Rep. of	Mexico	USSR

The member body of the following country expressed disapproval of the document on technical grounds :

United Kingdom

Agricultural tractors — Test procedures — Part 6 : Centre of gravity

0 Introduction

This International Standard specifies test procedures for agricultural tractors. This part deals with the centre of gravity. Other parts of this International Standard will be as follows :

Part 1 : Power tests.

Part 2 : Hydraulic power and lifting capacity.

Part 3 : Turning and clearance diameters.

Part 4 : Exhaust smoke measurement.

Part 5 : Partial power p.t.o. — non-mechanically transmitted power.

Part 7 : Power and torque of the drive wheels.

Part 8 : Engine air cleaner.

Although there are many possible methods of determining the centre of gravity, the purpose of this part of ISO 789 is to specify a simple, practical method, which requires the use of a weighbridge and crane. Alternative methods may be used if they locate the centre of gravity with respect to the specified reference planes and within the specified tolerances.

1 Scope and field of application

This part of ISO 789 specifies a method of determining the position of the centre of gravity of agricultural tractors.

The method is applicable to agricultural tractors having at least two axles fitted with wheels or tracks.

2 Reference

ISO 612, *Road vehicles — Dimensions of motor vehicles and towed vehicles — Terms and definitions.*

3 Definitions

For the purpose of this part of ISO 789, the following definitions apply.

3.1 agricultural tractor :

See ISO 3339/1 (in preparation).

3.2 wheelbase :

See ISO 612.

3.3 tractor mass : The mass of a tractor as submitted for test.

3.4 reference planes :

3.4.1 vertical reference planes :

a) transverse plane

1) for wheeled tractors : vertical plane containing the centreline of the rear axle;[1)]

2) for crawler tractors : vertical plane containing the centreline of the driving sprocket axle;

b) median longitudinal plan (or symmetric longitudinal plane) : vertical plane through the major fore-and-aft axis, i.e. midway between the tracks or wheels (see ISO 612).

3.4.2 horizontal reference plane : Ground level. (A hard contact shall be assumed.)

3.5 coordinates of the centre of gravity :

3.5.1 horizontal fore-and-aft coordinate (symbol $\bar{x}$) : The horizontal distance of the centre of gravity from the transverse reference plane.