

Irrigation techniques - Centre pivot and moving lateral systems - Part 3: Terminology and classification

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12325-3:2000 sisaldab Euroopa standardi EN 12325-3:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12325-3:2000 consists of the English text of the European standard EN 12325-3:1999.</p> <p>This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard defines and specifies the different outstanding terms and classifications in the field of centre pivots and moving laterals systems, necessary for the understading of EN 12325-1 and EN 12325-2. This standard is applicable to fixed or movable pivots, as well as to the different categories of moving laterals.</p>	<p>Scope:</p> <p>This European Standard defines and specifies the different outstanding terms and classifications in the field of centre pivots and moving laterals systems, necessary for the understading of EN 12325-1 and EN 12325-2. This standard is applicable to fixed or movable pivots, as well as to the different categories of moving laterals.</p>
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ICS 01.040.65, 65.060.35

Võtmesõnad:

English version

**Irrigation techniques – Centre pivot and moving
lateral systems**

Part 3: Terminology and classification

Techniques d'irrigation – Installations
avec pivots et rampes frontales –
Partie 3: Terminologie et classifica-
tion

Bewässerungsverfahren – Kreis- und
Linearberechnungsmaschinen – Teil 3:
Terminologie und Klassifizierung

This European Standard was approved by CEN on 1999-07-08.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 334 "Irrigation techniques", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2000, and conflicting national standards shall be withdrawn at the latest by February 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Within its programme of work, Technical Committee CEN/TC 334 "Irrigation techniques" charged working group CEN/TC 334/WG 2 "Centre pivot and moving laterals" to prepare the following standard :

- EN 12325-3, *Irrigation techniques - Centre pivot and moving laterals systems - Part 3 : Terminology and classification*

The other standards concerning the irrigation techniques are :

- EN 12325-1, *Irrigation techniques - Centre pivot and moving laterals systems - Part 1 : Presentation of the technical characteristics*
- EN 12325-2, *Irrigation techniques - Centre pivot and moving laterals systems - Part 2 : Minimum performances and technical characteristics*
- prEN ISO 11545, *Agricultural irrigation equipment – Centre-pivot and moving lateral irrigation machines with sprayers or sprinkler nozzles – Determination of uniformity of water distribution (ISO/DIS 11545:1999)*

1 Scope

This European Standard defines and specifies the different outstanding terms and classifications in the field of centre pivots and moving laterals systems, necessary for the understanding of EN 12325-1 and EN 12325-2.

This standard is applicable to fixed and movable pivots, as well as to the different categories of moving laterals.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 12325-1, *Irrigation techniques - Centre pivot and moving laterals systems - Part 1 : Presentation of the technical characteristics.*

EN 12325-2, *Irrigation techniques - Centre pivot and moving laterals systems - Part 2 : Minimum performances and technical characteristics.*

prEN ISO 11545:1999, *Agricultural irrigation equipment – Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles – Determination of uniformity of water distribution (ISO/DIS 11545:1999).*

ISO 31-0:1992, *Quantities and units – Part 0 : General principles.*

3 Quantities and units

The units used in the different parts of the EN 12325 are :

Table 1 – Quantities and units

Quantities	International units used according to ISO 31-0:1992
Length	meter (m), millimetre (mm)
Mass	kilogram (kg), ton (t)
Time	second (s), minute (min), hour (h)
Electrical current	ampere (A)
Flat angle	radian (rad), degree (°)
Frequency	hertz (Hz), kilo-hertz (kHz)
Force	Newton (N)
Torque	Newton meter (Nm)
Pressure	Pascal (Pa), kilo-Pascal (kPa), mega-Pascal (Mpa)
Power	watt (W), kilo-watt (kW)
Voltage	volt (V)
Volume	litre (l), cubic meter (m ³)
Flow	litre per second (l/s), cubic meter per second (m ³ /s), cubic meter per hour (m ³ /h)
Area	square meter (m ²), hectare (ha)
Speed	meter per second (m/s), meter per hour (m/h)