

Solid biofuels - Determination of length and diameter of pellets (ISO 17829:2015)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 17829:2015 sisaldab Euroopa standardi EN ISO 17829:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 17829:2015 consists of the English text of the European standard EN ISO 17829:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

Solid biofuels - Determination of length and diameter of pellets (ISO 17829:2015)

Biocombustibles solides - Détermination de la longueur et du diamètre des granulés (ISO 17829:2015)

Biogene Festbrennstoffe - Bestimmung der Länge und des Durchmessers von Pellets (ISO 17829:2015)

This European Standard was approved by CEN on 5 September 2015.

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European foreword

This document (EN ISO 17829:2015) has been prepared by Technical Committee ISO/TC 238 "Solid biofuels" in collaboration with Technical Committee CEN/TC 335 "Solid biofuels" the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 16127:2012.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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Endorsement notice

The text of ISO 17829:2015 has been approved by CEN as EN ISO 17829:2015 without any modification.

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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 238, *Solid biofuels*.

Introduction

Pellets with a length and diameter outside the specification can cause problems with transportation in screw conveyors, silo outlets, and burner feeding systems. ISO 17225-1, ISO 17225-2, ISO 17225-6, and ISO 17225-8 stipulate dimensions of pellets. This International Standard describes procedures for determination the diameter classification according to ISO 17225-2 as well as the length and diameter of pellets.

Solid Biofuels — Determination of length and diameter of pellets

1 Scope

This International Standard specifies the methods for the determination of diameter and length of pellets. Concerning the pellet length methods for both determination of the proportion of oversized pellets and for determination of the average length are included.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 16559, *Solid biofuels — Terminology, definitions and descriptions*

ISO 17225-1, *Solid biofuels — Fuel specifications and classes — Part 1: General requirements*

ISO 17225-2, *Solid biofuels — Fuel specifications and classes — Part 2: Graded wood pellets*

ISO 17225-6, *Solid biofuels — Fuel specifications and classes — Part 6: Graded non-woody pellets*

ISO 17225-8¹⁾, *Solid biofuels — Fuel specifications and classes — Part 8: Thermally treated and densified biomass fuels*

EN 14778:2011, *Solid biofuels — Sampling*

EN 14780:2011, *Solid biofuels — Sample preparation*

ISO 18846²⁾, *Solid Biofuels — Determination of fines content in quantities of pellets*

ISO 3310-2, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*

3 Terms and definitions

For the purpose of this document, the following terms and definitions given in ISO 16559 apply

3.1

test sample

original sample sent to the laboratory for analysis

3.2

test portion

sample extracted from the test sample and used during the analysis

4 Principle

The length and diameter of fuel pellets of a representative test sample shall be measured by means of a caliper. The length of a pellet shall be measured along the axis of the cylinder. The diameter shall be measured perpendicular to the axis (see [Figures 1](#) and [2](#)).

1) In preparation.

2) To be published.