

Solid biofuels - Determination of length and diameter of pellets

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ICS 75.160.10

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English Version

Solid biofuels - Determination of length and diameter of pellets

Biocombustibles solides - Détermination de la distribution
granulométrique des granules et des briquettes cylindriques

Feste Biobrennstoffe - Bestimmung der Länge und des
Durchmessers von Pellets

This European Standard was approved by CEN on 8 January 2012.

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Foreword

This document (EN 16127:2012) has been prepared by 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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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Introduction

Pellets with a length and diameter outside the specification can cause problems with transportation in screw conveyors and silo outlets. According to EN 14961-1, EN 14961-2 and FprEN 14961-6 measurements of length and diameter of pellets need to be performed. This document describes the measuring procedure.

1 Scope

This European Standard describes methods for the determination of diameter and length of pellets. Concerning the pellet length methods for both determination of the share of oversized pellets and for determination of the average length are included. It is intended for persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to fuel pellets, and to all persons and organisations involved in producing, purchasing, selling and utilising fuel pellets.

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.

EN 14588, *Solid biofuels — Terminology, definitions and descriptions*

EN 14778, *Solid biofuels — Sampling*

EN 14780, *Solid biofuels — Sample preparation*

EN 15210-1, *Solid biofuels — Determination of mechanical durability of pellets and briquettes — Part 1: Pellets*

3 Terms and definitions

For the purpose of this document, the terms and definitions given in EN 14588 apply.

4 Principle

The length and diameter of fuel pellets of a representative sample of fuel pellets are measured by using a caliper. The length of a pellet is always measured along the axis of the cylinder (Figures 1 and 2). The diameter is measured perpendicular to the axis.

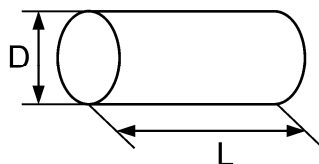


Figure 1 — Length and diameter of a pellet (D Diameter, L Length)