

## Coal sizing equipment — Performance evaluation

*Équipement pour la granulométrie du charbon — Évaluation de l'aptitude à l'emploi*

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## Foreword

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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 document 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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 27, *Coal and Coke*, Subcommittee SC 1, *Coal preparation: Terminology and performance*.

This third edition cancels and replaces the second edition (ISO 10752:2019), which has been technically revised.

The main changes are as follows:

- ~~Modification ISO 1213-1 Standard's name from Solid Mineral Fuels to "Coal and Coke"~~
- ~~Nominating actual ISO 13909 parts 2 and 4 being the parts relevant to this Standard~~
- ~~Addition of ISO 20904 — Coal — Sampling of slurries which is relevant to this Standard and important in sampling many streams in coal preparation plants.~~
- ~~Changing all Data Sheets to Tables at request of ISO editor.~~
- [Clause 2 normative references updated;](#)
- [data sheets converted to tables.](#)

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](http://www.iso.org/members.html).

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## Introduction

A standard expression of performance is ~~required~~<sup>used</sup> to define the accuracy of separation of a particular item, to assist in the comparison of the performance of different items of coal sizing equipment and in the prediction of separation results.

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# Coal sizing equipment — Performance evaluation

## 1 Scope

This document describes the principles and methods for the expression of results of performance tests on sizing equipment used in coal preparation and includes methods for the evaluation of performance parameters. Performance test procedures and size measurement techniques are recommended.

This document applies to all types of sizing equipment, categorized as follows:

- a) ~~a)~~ — screens;
- b) ~~b)~~ — classifiers;
- c) ~~c)~~ — others.

The procedure described in this document applies to two-product separations. Performance assessment of multiproduct separations can be achieved by consideration of a series of two-product separations.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

~~ISO 589, Hard coal — Determination of total moisture~~

~~ISO 1170, Coal and coke — Calculation of analyses to different bases~~

ISO 1213-1, Coal and coke — Vocabulary — Part 1: Terms relating to coal preparation

~~ISO 1953, Coal — Size analysis by sieving~~

ISO 13909-2, Coal and coke — Mechanical sampling — Part 2: Sampling of coal from moving streams

ISO 13909-4, Coal and coke — Mechanical sampling — Part 4: Preparation of test samples of coal

ISO 18283, Coal and coke — Manual sampling

ISO 20904, ~~Coal~~Hard coal — Sampling of slurries

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1213-1 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- —ISO Online browsing platform: available at <https://www.iso.org/obp>
- —IEC Electropedia: available at <https://www.electropedia.org/>