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Ships and marine technology - Dredgers - Classification
(ISO 8385:2018)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
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ICS 47.060

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EUROPEAN STANDARD

EN ISO 8385

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 8385:1999

English Version

Ships and marine technology - Dredgers - Classification (ISO 8385:2018)

Navires et technologie maritime - Dragues -
Classification (ISO 8385:2018)

Schiffe und Meerestechnik - Schwimmbagger -
Klassifizierung (ISO 8385:2018)

This European Standard was approved by CEN on 8 May 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 8385:2018) has been prepared by Technical Committee ISO/TC 8 "Ships and marine technology" in collaboration with Technical Committee CEN/TC 15 "Inland navigation vessels", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by November 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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

This document supersedes EN ISO 8385:1999.

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Endorsement notice

The text of ISO 8385:2018 has been approved by CEN as EN ISO 8385:2018 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 voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 7, *Inland navigation vessels*.

This third edition cancels and replaces the second edition (ISO 8385:1999), which has been technically revised.

The main changes compared to the previous edition are as follows:

- two new categories of criteria: 3 “Main performance parameters” and 5 “Energy source” have been added;
- Liquefied Natural Gas (LNG) has been added to category of criteria 5 “Energy source”;
- category of criteria 9 “Method of soil extraction” has been revised and new items have been added;
- category of criteria 13 “Disposal/transport of dredged material” has been revised;
- the original classification table has been separated into three tables respectively on the basis of the engineering condition, dredger parameters and operating method;
- the order of the classification has been adjusted.

Ships and marine technology — Dredgers — Classification

1 Scope

This document provides a single classification for all types of dredgers designed for loosening, raising, transporting and disposing of dredged material.

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 8384, *Ships and marine technology — Dredgers — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8384 apply.

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

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

4 Classification

Dredgers are classified on the basis of the criteria: engineering condition, dredger parameters and operating method as specified in [Tables 1, 2](#) and [3](#).

Table 1 — Classification on basis of engineering condition

| Category of engineering condition | Engineering condition | |
|-----------------------------------|--|---------------------------------|
| 1 Area of operation | 1.1 Inland waterways, inland ports and sites for soil extraction | |
| | 1.2 Seagoing | 1.2.1 Harbours and coastal zone |
| | | 1.2.2 Offshore |
| | | 1.2.3 Ocean-going |
| | 1.3 Special environments | 1.3.1 Tropical |
| | | 1.3.2 Arctic |
| 1.3.3 Other special environments | | |
| 2 Soil characteristics | 2.1 Silts | |
| | 2.2 Peats and organic soils | |
| | 2.3 Sands | |
| | 2.4 Gravels | |
| | 2.5 Clays | |
| | 2.6 Boulders and cobbles | |
| | 2.7 Rocks | |
| | 2.8 Mixed soils | |
| | 2.9 Fine sediments | |