International Standard

ISO 11886

Drilling and foundation machinery — Soil or soil and rock mixture drilling and foundation machines — Commercial specifications

Machines de forage et de fondation — Machines de forage et de fondation pour sols ou mélanges de sols et de roches — Spécifications commerciales

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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 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).

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For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*, Subcommittee SC 3, *Drilling and foundation machinery and equipment*.

This second edition cancels and replaces the first edition (ISO 11886:2002), which has been technically revised. It also incorporates the Technical Corrigendum ISO 11886:2002/Cor 1:2006.

The main changes are as follows:

— extension of the scope to drilling and foundation machines, except horizontal directional drilling (HDD) machines.

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.

Drilling and foundation machinery — Soil or soil and rock mixture drilling and foundation machines — Commercial specifications

1 Scope

This document establishes content for commercial specifications for drilling machines and foundation machines. It explains concepts related to their applications, working methods, machine types, and main components of the machines.

This document is applicable to:

— mobile drill rigs for civil and geotechnical engineering;

— foundation equipment including piling machines;

— diaphragm walling equipment;

— jetting, grouting and injection equipment;

— interchangeable auxiliary equipment.

This document does not apply to:

— machines specifically designed for mining application (e.g. rock drilling, raise boring, jumbo machines);

— horizontal directional drilling (HDD) machines (covered by ISO 21467[1]).

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 6014, *Earth-moving machinery — Determination of ground speed*

ISO 6707-1, *Buildings and civil engineering works — Vocabulary — Part 1: General terms*

ISO 6746-1, *Earth-moving machinery — Definitions of dimensions and codes — Part 1: Base machine*

ISO 6746-2, *Earth-moving machinery — Definitions of dimensions and codes — Part 2: Equipment and attachments*

ISO 9249, *Earth-moving machinery — Engine test code — Net power*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6707-1, ISO 6746-1, ISO 6746-2 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/