INTERNATIONAL STANDARD

ISO 18758-1

First edition
2018-06

Mining and earth-moving machinery — Rock drill rigs and rock reinforcement rigs —

Part 1: Vocabulary

Engins d'exploitation minière et de terrassement — Appareils de forage et de renfort de roches —

Partie 1: Vocabulaire

Reference number
ISO 18758-1:2018(E)

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Published in Switzerland

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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 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 82, *Mining*, in cooperation with Technical Committee ISO/TC 127, *Earth-moving machinery*.

A list of all parts in the ISO 18758 series can be found on the ISO website.

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.

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Introduction

To ensure that communication in the domain of rock drill rigs is effective and that difficulties in understanding are minimized, it is essential that the various stakeholders use the same concepts and concept representations.

This document is of relevance, in particular, for the following stakeholder groups:

— machine manufacturers;

— mining companies;

— health and safety bodies (regulators, accident prevention organisations, market surveillance, etc.).

Others that can benefit from a standardised terminology are:

— machine operators;

— service providers, e.g. for maintenance;

— third party system and technology providers.

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Mining and earth-moving machinery — Rock drill rigs and rock reinforcement rigs —

Part 1: Vocabulary

1 Scope

This document defines terms relating to rock drill rigs and rock reinforcement rigs, including their intended use, working methods, types, and main components.

It also provides (see Annex A) several classifications of rock drill rigs, based on intended use, mobility and type of operation.

The primary use of this document is in instruction handbooks for rock drill rigs and in marketing material. Safety related terminology is used in ISO 18758-2.

This document is not applicable to drill rigs for soil and rock mixture.

NOTE Documents covering vocabulary of related subjects are found in the bibliography.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

Refer to Clauses 4 to 20.

ISO and IEC maintain terminological 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/

4 Terms and definitions related to rock drilling intended use

4.1
blast hole drilling
drilling of holes to be charged with explosives for blasting

4.1.1
shaft sinking drilling
drilling of blast holes for sinking a shaft

4.1.2
face drilling
drilling of blast holes in the front wall at the end of a drift, rock chamber or tunnel

4.1.3
drilling for secondary breaking
drilling of blast holes in the boulders remaining after a blast

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