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# Drilling and foundation machinery — Horizontal directional drilling (HDD) machines — Commercial specifications

*Machines de forage et de fondation — Machines de forage horizontal  
dirigé (HDD) — Spécifications commerciales*



Reference number  
ISO 21467:2023(E)

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

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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 21467:2004), which has been technically revised.

The main changes are as follows:

- the title has been updated;
- the Scope has been updated, including machines that were previously excluded;
- the term "machine" has been replaced by "HDD machine" throughout the document;
- [Clause 2](#) has been updated with the removal of ISO 6165;
- in [Clause 3](#), several HDD machine type definitions have been added to align with [Clause 4](#); additional definitions have been added to align with the figures in [Annex A](#); definitions have been removed (for example, performance definitions) if not covered in the body text; [Clause 3](#) has been divided into sub-sections for better flow and readability;
- in [Clause 4](#), nomenclature has been removed because it was out of the scope; [Clause 4](#) now covers machine types; figures that are still appropriate have been moved to [Annex A](#);
- [Clause 5](#) for commercial specifications has been added;
- [Annex A](#) has been added to include figures and key items previously in [Clause 4](#);
- [Annex B](#) has been added to illustrate key drilling tool components;
- [Annex C](#) has been added to illustrate external structures used with large HDD machines;
- Bibliography has been added.

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