

DIN EN 16228-3



ICS 93.020

Supersedes
DIN EN 16228-3:2014-10

**Drilling and foundation equipment –
Safety –
Part 3: Horizontal directional drilling equipment (HDD);
English version EN 16228-3:2014+A1:2021,
English translation of DIN EN 16228-3:2022-07**

Geräte für Bohr- und Gründungsarbeiten –
Sicherheit –
Teil 3: Geräte für das gerichtete Horizontalbohrverfahren (HDD);
Englische Fassung EN 16228-3:2014+A1:2021,
Englische Übersetzung von DIN EN 16228-3:2022-07

Machines de forage et de fondation –
Sécurité –
Partie 3: Machines de forage horizontal dirigé (HDD);
Version anglaise EN 16228-3:2014+A1:2021,
Traduction anglaise de DIN EN 16228-3:2022-07

Document comprises 44 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This standard includes safety requirements.

This document (EN 16228-3:2014+A1:2021) has been prepared by Technical Committee CEN/TC 151 “Construction equipment and building material machines — Safety” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Maschinenbau* (DIN Standards Committee Mechanical Engineering), Working Committee NA 060-13-03 AA “Drilling and foundation equipment” of Section “Construction equipment and building material machines”. Representatives of manufacturers and users of “drilling and foundation equipment”, and of the employers’ liability insurance associations contributed to this standard.

This standard contains specifications which give detail to the essential requirements set out in Annex I of the “Machinery Directive”, Directive 2006/42/EC, and which apply to machines that are either first placed on the market or commissioned within the EEA. This standard serves to facilitate proof of compliance with the essential requirements of that directive.

Once this standard is cited in the Official Journal of the European Union, it is deemed a “harmonized” standard, and, thus, a manufacturer applying this standard may assume compliance with the requirements of the Machinery Directive (“presumption of conformity”).

For current information on this document, please go to DIN’s website (www.din.de) and search for the document number in question.

Amendments

This standard differs from DIN EN 16228-3:2014-10 as follows:

- a) normative references have been updated and adapted throughout the text;
- b) Table 1 “List of significant hazards and associated requirements” in Clause 4 has been modified;
- c) 5.2.1 “General” has been modified;
- d) 5.5 “Indicating devices for inclination” has been modified;
- e) 5.6.2.2 “Horizontal drills with a mass greater than 8 000 kg” has been modified;
- f) 5.10.4 “Restricted operating mode” has been deleted, and the content has been adopted in 5.12.10 including changes;
- g) 5.12.8.2 “Drills equipped with mechanical drill rod/pipe handling system” has been adapted;
- h) 5.12.9.1 “Drills with a drill rod/pipe of more than 25 kg” has been adapted;
- i) 5.12.10 “Restricted operating mode” has been included;
- j) 5.15 “Noise” has been included;
- k) Table 2 in Clause 6 “Verification of safety requirements and/or protective measures” has been adapted;
- l) Annex ZA has been replaced.

Previous editions

DIN 24096: 1987-06

DIN EN 791: 1996-01, 2010-01

DIN EN 996: 1996-04, 2010-02

DIN EN 996/A1: 2000-03

DIN EN 996/A2: 2003-11

DIN EN 16228-3: 2014-10

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English Version

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This European Standard was approved by CEN on 6 March 2014 and includes Amendment 1 approved by CEN on 22 November 2021.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels