

DIN EN 16228-5



ICS 93.020

Supersedes
DIN EN 16228-5:2014-10

**Drilling and foundation equipment –
Safety –
Part 5: Diaphragm walling equipment;
English version EN 16228-5:2014+A1:2021,
English translation of DIN EN 16228-5:2022-07**

Geräte für Bohr- und Gründungsarbeiten –
Sicherheit –
Teil 5: Geräte für Schlitzwandarbeiten;
Englische Fassung EN 16228-5:2014+A1:2021,
Englische Übersetzung von DIN EN 16228-5:2022-07

Machines de forage et de fondation –
Sécurité –
Partie 5: Machines pour parois moulées;
Version anglaise EN 16228-5:2014+A1:2021,
Traduction anglaise de DIN EN 16228-5:2022-07

Document comprises 28 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 16228-5:2014+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 16228-5:2014-10 as follows:

- a) normative references have been updated and adapted throughout the text;
- b) in Clause 3 “Terms and definitions”, the term 3.3 “diaphragm walling rig” has been replaced;
- c) the new term 3.8 “triggering of free fall” has been included;
- d) Table 1 “List of significant hazards and associated requirements” in Clause 4 has been replaced;
- e) 5.1 “General” has been adapted;
- f) 5.3 “Winches and pulleys” has been modified;
- g) 5.4.2 “Control of the diaphragm walling rig equipped with cutter” has been extended;
- h) 5.4.3 “Control of winches for suspending grabs or cutters when changing ropes” has been modified;
- i) 5.4.4 “Free fall operation” has been included;
- j) 5.8 “Holding brake” has been included;
- k) the former subclause 5.8 is now subclause 5.10;

- l) 5.9 “Compatibility of the carrier machine” has been included;
- m) 5.11 “Operating position(s)” has been included;
- n) 5.12 “Noise” has been included;
- o) Table 3 in Clause 6 “Verification of safety requirements and/or protective measures” has been adapted;
- p) 7.1.2 “Specific instructions on the diaphragm wall cutting tools put on the market separately” has been modified;
- q) Annex ZA has been replaced;
- r) the Bibliography has been modified.

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 16228-5: 2014-10