

SLOVENSKI STANDARD oSIST prEN 16228-5 rev:2011

01-junij-2011

Oprema za vrtanje in temeljenje - Varnost - 5. del: Oprema za izdelavo membranskih sten

Drilling and foundation equipment - Safety - Part 5: Diaphragm walling equipment

Geräte für Bohr- und Gründungsarbeiten - Sicherheit - Teil 5: Geräte für Schlitzwandarbeiten

Machines de forage et de fondation - Sécurité - Partie 5: Machines pour parois moulées dans le sol

Ta slovenski standard je istoveten z: prEN 16228-5 rev

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93.020 Zemeljska dela. Izkopavanja. Earthworks. Excavations.

Gradnja temeljev. Dela pod Foundation construction. zemljo Underground works

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English Version

Drilling and foundation equipment - Safety - Part 5: Diaphragm walling equipment

Machines de forage et de fondation - Sécurité - Partie 5: Machines pour parois moulées dans le sol Geräte für Bohr- und Gründungsarbeiten - Sicherheit - Teil 5: Geräte für Schlitzwandarbeiten

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 151.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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prEN 16228-5:2011 (E)

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Foreword

This document (prEN 16228-5:2011) has been prepared by Technical Committee CEN/TC 151 "Construction equipment and building material machines - Safety", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 791:1995+A1:2009, EN 996:1995+A3:2009.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

- Part 1: Drilling and foundation equipment Safety Common requirements
- Part 2: Drilling and foundation equipment Safety Mobile drill rigs for civil and geotechnical engineering, quarrying and mining
- Part 3: Drilling and foundation equipment Safety Horizontal directional drilling equipment (HDD)
- Part 4: Drilling and foundation equipment Safety Foundation equipment
- Part 5: Drilling and foundation equipment Safety Diaphragm walling equipment
- Part 6: Drilling and foundation equipment Safety Jetting, grouting and injection equipment
- Part 7: Drilling and foundation equipment Safety Interchangeable auxiliary equipment

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Introduction

This European Standard is a Type C-standard as stated in EN ISO 12100.

The machinery concerned and the extent to which hazards are covered are indicated in the scope of this standard.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for drilling and foundation equipment that have been designed and built according to the provisions of this type C standard.

1 Scope

This document specifies the specific safety requirements for diaphragm walling equipment when used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.

The requirements of this document are in addition to the common requirements formulated in part 1. This document does not repeat the requirements from part 1, but adds the requirements for application to diaphragm walling equipment

This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, hazardous situations and events detailed in 4 below.

2 Normative references

The following referenced documents are indispensable for the application 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.

EN 474-5:2006+A1:2009, Earth-moving machinery — Safety — Part 5: Requirements for hydraulic excavators

EN 474-12:2006+A1:2008, Earth-moving machinery — Safety — Part 12: Requirements for cable excavators

prEN 16228-1:2010, Drilling and foundation equipment — Safety — Common requirements

EN 13000:2010, Cranes — Mobile cranes

EN 13001-1:2004+A1:2009, Cranes — General design — Part 1: General principles and requirements

EN 13001-2:2004+A3:2009, Cranes — General design — Part 2: Load actions

EN ISO 12100-1:2003, Safety of machinery — Basic concepts, general principles for design — Part 1: Basic terminology, methodology (ISO 12100-1:2003)

EN ISO 12100-2:2003, Safety of machinery — Basic concepts, general principles for design — Part 2: Technical principles (ISO 12100-2:2003)