



SLOVENSKI STANDARD
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Oprema za vrtanje in temeljenje - Varnost - 4. del: Oprema za temeljenje

Drilling and foundation equipment - Safety - Part 4: Foundation equipment

Geräte für Bohr- und Gründungsarbeiten - Sicherheit - Teil 4: Geräte für Gründungsarbeiten

Machines de forage et de fondation - Sécurité - Partie 4: Machines de fondation

Ta slovenski standard je istoveten z: prEN 16228-4 rev

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English Version

Drilling and foundation equipment - Safety - Part 4: Foundation equipment

Machines de forage et de fondation - Sécurité - Partie 4:
Machines de fondation

Geräte für Bohr- und Gründungsarbeiten - Sicherheit - Teil
4: Geräte für Gründungsarbeiten

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 List of significant hazards	5
5 Safety requirements and/or protective measures	6
5.1 General.....	6
5.2 Requirements for strength and stability	7
5.3 Winches, draw works and ropes	7
5.4 Guards and protective devices	8
5.5 Limiting and indicating devices	8
5.5.1 Boom angle	8
5.5.2 Measuring systems.....	8
6 Verification of the safety requirements and/or protective measures	8
6.1 Types of verification	8
7 Information for use	9
7.1 Operator's manual	9
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	10

Document Preview

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Foreword

This document (prEN 16228-4:2011) 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 foundation equipment when it is used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. This part specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.

In this document the general term “foundation equipment” covers several different types of machines used for installation and/or extracting by drilling, driving, vibrating, pushing, pulling or a combination of techniques, or any other way, of:

- longitudinal foundation elements;
- soil improvement by dynamic compacting, vibrating and soil mixing techniques;
- vertical drainage.

Typically the process of foundation techniques involves the addition longitudinal elements as concrete piles, steel beams, tubes and sheet piles, injection elements as tubes and hoses, casings for cast in situ.

The requirements of this document are in addition to, or detail an exemption 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 foundation equipment

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

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*