

**Temporära konstruktioner – Stämp- och
spontsystem för schaktning –**
Del 2: Utvärdering genom beräkning eller provning

Trench lining systems –
Part 2: Assessment by calculation or test

Europastandarden EN 13331-2:2002 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 13331-2:2002.

The European Standard EN 13331-2:2002 has the status of a Swedish Standard. This document contains the official English version of EN 13331-2:2002.

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English version

Trench lining systems - Part 2: Assessment by calculation or test

Dispositifs de blindage de tranchées - Partie 2: Evaluation
par calculs ou essais

Grabenverbaugeräte - Teil 2: Nachweis durch Berechnung
oder Prüfung

This European Standard was approved by CEN on 6 July 2002.

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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 Management Centre has the same status as the official versions.

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Foreword

This document (EN 13331-2:2002) has been prepared by Technical Committee CEN/TC 53 "Temporary works equipment", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2003, and conflicting national standards shall be withdrawn at the latest by February 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

EN 13331 *Trench lining systems* consists of the following parts:

- *Part 1: Product specifications.*
- *Part 2: Assessment by calculation or test.*

These standards are to be read in conjunction with prEN 12811-2 and prEN 12811-3.

Introduction

Trench lining systems are intended to ensure the stability of vertical trench walls and to protect workers from the effects of collapse of trenches.

Part 1 of the series deals with materials and specifications on the manufacture of trench lining systems.

Part 2 of the series deals with the evaluation methods using both calculations and tests for the trench lining systems.

A trench lining system comprises a variety of components, which, when assembled, create trench support. The instruction manual provides all the necessary information on the safe use of trench lining systems.

1 Scope

This European Standard specifies methods of calculation and tests to assess the conformity of trench lining systems with the requirements of EN 13331-1.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 10002-1, *Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature.*

EN 10003-1, *Metallic materials - Brinell hardness test - Part 1: Test method.*

EN 10204, *Metallic products – Types of inspection documents.*

prEN 12811-3:2001, *Temporary works equipment - Scaffolds - Part 3: Load testing.*

EN 13331-1:2002, *Trench lining systems – Part 1: Product specifications.*

ENV 1993-1-1:1992, *Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings.*

ENV 1999-1-1, *Eurocode 9: Design of aluminium structures - Part 1-1: General rules - General rules and rules for buildings.*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 13331-1:2002 apply.

4 Symbols

For the purposes of this European Standard, the symbols given in EN 13331-1:2002 apply.