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Geotechnical investigation and testing - Field testing - Part 10: Weight sounding test (ISO 22476-10:2017)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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22476-10:2017)

Geotechnische Erkundung und Untersuchung -
Felduntersuchungen - Teil 10: Gewichtssondierung
(ISO 22476-10:2017)

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EN ISO 22476-10:2017 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 22476-10:2017) has been prepared by Technical Committee ISO/TC 182 “Geotechnics” in collaboration with Technical Committee CEN/TC 341 “Geotechnical Investigation and Testing” the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by May 2018 and conflicting national standards shall be withdrawn at the latest by May 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN ISO/TS 22476-10:2005.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 22476-10:2017 has been approved by CEN as EN ISO 22476-10:2017 without any modification.

**INTERNATIONAL
STANDARD**

**ISO
22476-10**

First edition
2017-10

**Geotechnical investigation and
testing — Field testing —**

**Part 10:
Weight sounding test**

*Reconnaissance et essais géotechniques — Essais en place —
Partie 10: Essai de sondage par poids*



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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Equipment	2
5 Test procedure	4
5.1 Calibration and checks.....	4
5.2 Use of predrilling and casing.....	4
5.3 Manual weight sounding.....	4
5.4 Mechanized weight sounding.....	5
5.5 Safety requirements.....	5
6 Test results	5
7 Report	6
7.1 Field report.....	6
7.2 Test report.....	7
Bibliography	8

ISO 22476-10:2017(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

ISO 22476-10 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 341, *Geotechnical investigation and testing*, in collaboration with ISO Technical Committee ISO/TC 182, *Geotechnics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO 22476-10 cancels and replaces ISO/TS 22476-10:2005, which has been technically revised.

A list of all parts in the ISO 22476 series can be found on the ISO website.

Geotechnical investigation and testing — Field testing —

Part 10: Weight sounding test

1 Scope

This document specifies the equipment, execution and reporting requirements of the weight sounding test.

NOTE This document fulfils the requirements for the weight sounding test as part of the geotechnical investigation and testing according to EN 1997-1 and EN 1997-2.

This document specifies the procedure for conducting a test with the weight sounding device in natural soils, made ground, and fill either on land or on water. This document is applicable to the determination of the resistance of soil to the static load or the static load and the specified turning of the sounding point.

This document gives guidelines for the use of the weight sounding test to give a continuous soil profile and an indication of the layer sequence. The use includes the estimation of the density of cohesionless soils and the depth to very dense ground layers indicating the length of end-bearing piles.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 14688 (all parts), *Geotechnical investigation and testing — Identification and classification of soil*

ISO 14689-1, *Geotechnical investigation and testing — Identification and classification of rock — Part 1: Identification and description*

ISO 22475-1, *Geotechnical investigation and testing — Sampling methods and groundwater measurements — Part 1: Technical principles for execution*

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