

SLOVENSKI STANDARD

SIST EN ISO 17892-7:2018

01-april-2018

Nadomešča:

SIST-TS CEN ISO/TS 17892-7:2004

SIST-TS CEN ISO/TS 17892-7:2004/AC:2010

**Geotehnično preiskovanje in preskušanje - Laboratorijsko preskušanje zemljin - 7.
del: Enoosni tlačni preskus (ISO 17892-7:2017)**

Geotechnical investigation and testing - Laboratory testing of soil - Part 7: Unconfined compression test (ISO 17892-7:2017)

iTeh STANDARD PREVIEW

Geotechnische Erkundung und Untersuchung - Laborversuche an Bodenproben - Teil 7:
Einaxialer Druckversuch (ISO 17892-7:2017)

[SIST EN ISO 17892-7:2018](#)

Reconnaissance et essais géotechniques - Essais de laboratoire sur les sols - Partie 7:
Essai de compression uniaxiale (ISO 17892-7:2017)

Ta slovenski standard je istoveten z: EN ISO 17892-7:2018

ICS:

13.080.20	Fizikalne lastnosti tal	Physical properties of soils
93.020	Zemeljska dela. Izkopavanja. Gradnja temeljev. Dela pod zemljo	Earthworks. Excavations. Foundation construction. Underground works

SIST EN ISO 17892-7:2018

en

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN ISO 17892-7:2018](#)

<https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fdd4/sist-en-iso-17892-7-2018>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 17892-7

February 2018

ICS 13.080.20; 93.020

Supersedes CEN ISO/TS 17892-7:2004

English Version

**Geotechnical investigation and testing - Laboratory testing
of soil - Part 7: Unconfined compression test (ISO 17892-
7:2017)**

Reconnaissance et essais géotechniques - Essais de laboratoire sur les sols - Partie 7: Essai de compression uniaxiale (ISO 17892-7:2017)

Geotechnische Erkundung und Untersuchung - Laborversuche an Bodenproben - Teil 7: Einaxialer Druckversuch (ISO 17892-7:2017)

This European Standard was approved by CEN on 24 November 2017.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

iTeh STANDARD PREVIEW

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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 17892-7:2018](#)
<https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fdd4/sist-en-iso-17892-7-2018>

European foreword

This document (EN ISO 17892-7:2018) 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 BSI.

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 August 2018, and conflicting national standards shall be withdrawn at the latest by August 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 17892-7:2004.

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.

iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of ISO 17892-7:2017 has been approved by CEN as EN ISO 17892-7:2018 without any modification.

<https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fdd4/sist-en-iso-17892-7-2018>

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN ISO 17892-7:2018](#)

<https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fdd4/sist-en-iso-17892-7-2018>

INTERNATIONAL
STANDARD

ISO
17892-7

First edition
2017-11

**Geotechnical investigation and
testing — Laboratory testing of soil —**

**Part 7:
Unconfined compression test**

*Reconnaissance et essais géotechniques — Essais de laboratoire sur
les sols —*
iTeh STANDARD PREVIEW
Partie 7: Essai de compression uniaxiale
(standards.iteh.ai)

[SIST EN ISO 17892-7:2018](#)
<https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fdd4/sist-en-iso-17892-7-2018>



Reference number
ISO 17892-7:2017(E)

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 17892-7:2018

<https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fdd4/sist-en-iso-17892-7-2018>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols	2
5 Apparatus	2
6 Test procedure	4
6.1 General requirements and equipment preparation	4
6.2 Preparation of specimens	4
6.3 Initial readings	5
6.4 Compression	5
6.5 Dismounting	6
7 Test results	6
7.1 Bulk density, dry density and water content	6
7.2 Stress and strain during compression	6
7.3 Unconfined compressive strength	6
7.4 Undrained shear strength	7
8 Test report	7
8.1 Mandatory reporting	7
8.2 Optional reporting	7
Annex A (normative) Calibration, maintenance and checks	8
SIST EN ISO 17892-7:2018 https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fd4/sist-en-iso-17892-7-2018	
Bibliography	10

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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. (**standards.iteh.ai**)

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

This first edition of ISO 17892-7 cancels and replaces ISO/TS 17892-7:2004, which has been technically revised. It also incorporates the Technical Corrigendum ISO/TS 17892-7:2004/Cor 1:2006.

A list of all the parts in the ISO 17892 series can be found on the ISO website.

Introduction

This document covers areas in the international field of geotechnical engineering never previously standardized. It is intended that this document presents broad good practice throughout the world and significant differences with national documents are not anticipated. It is based on international practice (see Reference [4]).

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 17892-7:2018
<https://standards.iteh.ai/catalog/standards/sist/c32d286e-ae3b-49ea-96fc-59c62cf8fdd4/sist-en-iso-17892-7-2018>