
**Geotechnical investigation and
testing — Laboratory testing of soil —
Part 7:
Unconfined compression test**

*Reconnaissance et essais géotechniques — Essais de laboratoire sur
les sols —*

Partie 7: Essai de compression uniaxiale

iteh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 17892-7:2017

<https://standards.iteh.ai/catalog/standards/iso/bb8d2ecf-b59d-449f-b11c-ae154ad1f99b/iso-17892-7-2017>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 17892-7:2017](https://standards.iteh.ai/catalog/standards/iso/bb8d2ecf-b59d-449f-b11c-ae154ad1f99b/iso-17892-7-2017)

<https://standards.iteh.ai/catalog/standards/iso/bb8d2ecf-b59d-449f-b11c-ae154ad1f99b/iso-17892-7-2017>



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
Bibliography	10

ISO 17892-7:2017

<https://standards.itch.ai/catalog/standards/iso/bb8d2ecf-b59d-449f-b11c-ae154ad1f99b/iso-17892-7-2017>

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.

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 Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 17892-7:2017

<https://standards.iteh.ai/catalog/standards/iso/bb8d2ecf-b59d-449f-b11c-ae154ad1f99b/iso-17892-7-2017>

