SLOVENSKI STANDARD
SIST EN ISO 17892-3:2016

01-april-2016

Nadomešča:
SIST-TS CEN ISO/TS 17892-3:2004
SIST-TS CEN ISO/TS 17892-3:2004/AC:2010

Geotehnično preiskovanje in preskušanje - Laboratorijsko preskušanje zemljin - 3. del: Ugotavljanje gostote zrn (ISO 17892-3:2015)

Geotechnical investigation and testing - Laboratory testing of soil - Part 3: Determination of particle density (ISO 17892-3:2015, Corrected version 2015-12-15)

Geotechnische Erkundung und Untersuchung - Laborversuche an Bodenproben - Teil 3: Bestimmung der Korndichte (ISO 17892-3:2015)

Reconnaissance et essais géotechniques - Essais de laboratoire sur les sols - Partie 3: Détermination de la masse volumique des grains (ISO 17892-3:2015)

Ta slovenski standard je istoveten z: **EN ISO 17892-3:2015**

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 17892-3:2016 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 17892-3

December 2015

ICS 13.080.20; 93.020

Supersedes CEN ISO/TS 17892-3:2004

English Version

Geotechnical investigation and testing - Laboratory testing of soil - Part 3: Determination of particle density (ISO 17892-3:2015, Corrected version 2015-12-15)

Reconnaissance et essais géotechniques - Essais de laboratoire sur les sols - Partie 3: Détermination de la masse volumique des grains (ISO 17892-3:2015)

Geotechnische Erkundung und Untersuchung - Laborversuche an Bodenproben - Teil 3: Bestimmung der Korndichte (ISO 17892-3:2015)

This European Standard was approved by CEN on 5 December 2015.

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.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

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Ref. No. EN ISO 17892-3:2015 E

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European foreword

This document (EN ISO 17892-3:2015) has been prepared by Technical Committee CEN/TC 341 “Geotechnical Investigation and Testing”, the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 182 "Geotechnics".

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 June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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

This document supersedes CEN ISO/TS 17892-3:2004.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 17892-3:2015, Corrected version 2015-12-15 has been approved by CEN as EN ISO 17892-3:2015 without any modification.

INTERNATIONAL STANDARD

ISO 17892-3

First edition
2015-12-15

Corrected version
2015-12-15

Geotechnical investigation and testing — Laboratory testing of soil —

Part 3: Determination of particle density

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

Partie 3: Détermination de la masse volumique des grains

Reference number
ISO 17892-3:2015(E)

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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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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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

ISO 17892-3 was prepared by the European Committee for standardization (CEN) TC 341 *Geotechnical investigation and testing*, in collaboration with ISO/TC 182 *Geotechnics*, Subcommittee SC 1 *Geotechnical investigation and testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This International Standard cancels and replaces ISO/TS 17892-3:2004, which has been technically revised. It also incorporates the Technical Corrigendum ISO/TS 17892-3:2004/Cor.1:2006.

ISO 17892 consists of the following parts, under the general title *Geotechnical investigation and testing — Laboratory testing of soil*:

— *Part 1: Determination of water content*

— *Part 2: Determination of bulk density*

— *Part 3: Determination of particle density*

— *Part 4: Determination of particle size distribution*

— *Part 5: Incremental loading oedometer test*

— *Part 6: Fall cone test*

— *Part 7: Unconfined compression test*

— *Part 8: Unconsolidated undrained triaxial test*

— *Part 9: Consolidated triaxial compression tests*

— *Part 10: Direct shear tests*

— *Part 11: Permeability tests*

— *Part 12: Determination of liquid and plastic limits*

This corrected version of ISO 17892-3:2015 incorporates the following corrections plus other minor editorial modifications.

Foreword: It has been clarified that this is a first edition of an International Standard that is replacing a Technical Specification.

3.1: The word 'dry' has been added to the definition.

4.3.2: A temperature range has been specified.

Figure 2: Labels V_s and V_r have been removed.

5.2.4.3: An alternative method to determine the volume of the specimen has been added.

6.1.2: A temperature has been specified for $\rho_{L.}$

6.2.2: A note has been added.

Formula (7): Formula has been modified with a factor of 10^{-6} instead of 10^{6}.