

BS EN ISO 22282-1:2012



BSI Standards Publication

Geotechnical investigation and testing — Geohydraulic testing

Part 1: General rules

bsi.

...making excellence a habit.™

This is a preview. [Click here to purchase the full publication.](#)

National foreword

This British Standard is the UK implementation of EN ISO 22282-1:2012. Together with parts 2, 3, 4, 5, and 6 of BS EN ISO 22282, it partially supersedes BS 5930:1999+A2:2010, which is currently being revised in order to remove conflicting material. In the meantime, where conflict arises between these documents, the provisions of BS EN ISO 22282-1:2012 take precedence.

The test given in this standard is included in BS 5930:1999+A2:2010 (Clause 25.4), and conflicting parts are now withdrawn.

The UK participation in its preparation was entrusted by Technical Committee B/526, Geotechnics, to Subcommittee B/526/3, Site investigation and ground testing.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2012.
Published by BSI Standards Limited 2012.

ISBN 978 0 580 76150 8

ICS 91.010.30; 93.020

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2012.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

Geotechnical investigation and testing - Geohydraulic testing -
Part 1: General rules (ISO 22282-1:2012)

Reconnaissance et essais géotechniques - Essais
géohydrauliques - Partie 1: Règles générales (ISO 22282-
1:2012)

Geotechnische Erkundung und Untersuchung -
Geohydraulische Versuche - Teil 1: Allgemeine Regeln
(ISO 22282-1:2012)

This European Standard was approved by CEN on 31 May 2012.

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, 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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 22282-1:2012) has been prepared by Technical Committee CEN/TC 341 "Geotechnical Investigation and Testing", the secretariat of which is held by ELOT, 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 December 2012, and conflicting national standards shall be withdrawn at the latest by December 2012.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, 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.

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions and symbols	2
3.1 Terms and definitions	2
3.2 Symbols	4
4 Equipment	4
4.1 General	4
4.2 Test section support system	5
4.3 Measuring tube	5
4.4 Isolation of the test section	5
4.5 Measuring and recording devices	5
4.6 Additional equipment	6
4.7 Calibration	6
5 Planning of geohydraulic investigation and testing	6
5.1 General	6
5.2 Selection of testing locations	7
5.3 Selection of test procedure	7
6 Preparation of the test section and installation of equipment	14
6.1 Requirements for drilling and the test sections	14
6.2 Installation of filter	15
6.3 Checking installation	15
6.4 Safety requirements	15
6.5 Decommissioning	15
6.6 Factors influencing the test results	16
Annex A (informative) Examples of possible test section isolation and support methods	18
Annex B (informative) Examples of shape factors	24
Bibliography	26