PLASTTORUSTIKSÜSTEEMID. TERMOPLASTIST TORUSTIKUSÜSTEEMIDEGA KASUTAMISEKS MÕELDUD ELASTOMEERSED RÕNGASTIHENDITEGA ÜHENDUSED. KATSEMEETOD LEKKEKINDLUSE MÕÕTMISEKS SISEMISE SURVE JA NURGA ALL

Plastics piping systems - Elastomeric-sealing-ring-type socket joints for use with thermoplastic pressure pipes - Test method for leaktightness under internal pressure and with angular deflection (ISO 13845:2015)



EESTI STANDARDI EESSÕNA NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 13845:2015 sisaldab Euroopa standardi EN ISO 13845:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 13845:2015 consists of the English text of the European standard EN ISO 13845:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.02.2015.	Date of Availability of the European standard is 18.02.2015.
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EUROPEAN STANDARD

EN ISO 13845

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 13845:2000

English Version

Plastics piping systems - Elastomeric-sealing-ring-type socket joints for use with thermoplastic pressure pipes - Test method for leaktightness under internal pressure and with angular deflection (ISO 13845:2015)

Systèmes de canalisations en plastiques - Assemblages par emboîture à bague d'étanchéité en élastomère pour les tubes sous pression plastiques - Méthode d'essai d'étanchéité sous pression interne et avec déviation angulaire (ISO 13845:2015)

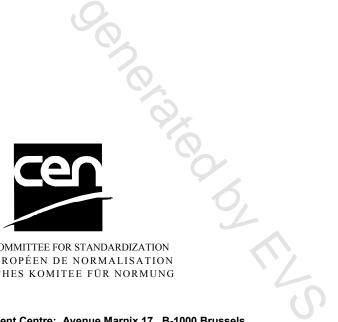
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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 13845:2015) has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" in collaboration with Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" the secretariat of which is held by NEN.

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 2015, and conflicting national standards shall be withdrawn at the latest by August 2015.

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.

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Endorsement notice

The text of ISO 13845:2015 has been approved by CEN as EN ISO 13845:2015 without any modification.

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Foreword

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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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The committee responsible for this document is ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 5, *General properties of pipes, fittings and valves of plastic materials and their accessories* — *Test methods and basic specifications*.

This second edition cancels and replaces the first edition (ISO 13845:2000) which has been technically revised. The reason for modification is for applicability to other plastics materials, other sizes, and/or other test conditions and alignment with texts of other International Standards on test methods.

The modifications are the following:

- no material is mentioned;
- test parameters are omitted, although the original test parameters can be found in <u>Annex A</u>;
- editorial changes have been introduced.

Plastics piping systems — Elastomeric-sealing-ring-type socket joints for use with thermoplastic pressure pipes — Test method for leaktightness under internal pressure and with angular deflection

WARNING - Persons using this International Standard should be familiar with normal laboratory practice, if applicable. The use of this International Standard may involve hazardous materials, operations, and equipment. This International Standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this International Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1 Scope

This International Standard specifies a method for testing the leak tightness under internal pressure with angular deflection of assembled joints between elastomeric-sealing-ring-type sockets made of plastic or metal and plastic pressure pipes.

2 Principle

A joint assembly as test piece consisting of a plastic pipe mounted into a socket is subjected, within a specified temperature range, to a specified internal pressure regime for a specified test period while the pipe is also subject to an angular deflection in the socket. While under pressure, the test piece is monitored for signs of leakage.

3 **Test parameters and requirements**

The test parameters of the International Standard which refers to this test International Standard shall be used and the requirements shall be fulfilled. If one or more parameters are not given in the referring International Standard, the ones given in <u>Annex A</u> shall apply.

NOTE The following test parameters should be given by the International Standard which refers to this test International Standard:

- a) test medium;
- test pressure [bar or MPa]; b)
- test duration [h]; c)
- d) test temperature [°C];
- angle of deflection (α) [°]; e)
- f) free length [mm].

4 **Apparatus**

4.1 Framework, comprising at least two fixing devices, one of which is movable to allow angular deflection to be applied to the test joint. A typical arrangement is shown in Figure 1.