

Plastics piping systems - Elastomeric-sealing-ring-type socket joints for use with plastic pipes - Test method for leaktightness under negative pressure, angular deflection and deformation (ISO 13844:2015)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 13844:2015 sisaldab Euroopa standardi EN ISO 13844:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 13844:2015 consists of the English text of the European standard EN ISO 13844:2015.
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 04.03.2015.	Date of Availability of the European standard is 04.03.2015.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 23.040.20, 91.140.60

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English Version

Plastic piping systems - Mechanical joints between fittings and pressure pipes - Test method for leaktightness under negative pressure (ISO 3459:2015)

Systèmes de canalisations en matières plastiques -
Assemblages mécaniques entre raccords et tubes sous
pression - Méthode d'essai pour l'étanchéité sous pression
négative (ISO 3459:2015)

Kunststoff-Rohrleitungssysteme - Mechanische
Verbindungen zwischen Fittings und Druckrohren - Prüfung
der Dichtheit bei Unterdruck (ISO 3459:2015)

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Foreword

This document (EN ISO 3459:2015) has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" in collaboration 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of an identical text or by endorsement, at the latest by September 2015, and conflicting national standards shall be withdrawn at the latest by September 2015.

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Endorsement notice

The text of ISO 3459:2015 has been approved by CEN as EN ISO 3459:2015 without any modification.

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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 negative pressure, angular deflection, and deformation of assembled joints between elastomeric-sealing-ring-type sockets made of plastic or metal and plastic pressure pipes.

2 Principle

A test piece consisting of a plastic pipe mounted into a socket is exposed within a specified temperature range to two specified negative internal pressures for a specified test period, while the pipe is being subjected to an angular deflection in the socket and to deformation. During the test, the test piece is monitored for signs of leakage.

3 Test parameters and requirements

The test parameters of the standard which refers to this test 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 [Annex A](#) shall apply.

The following test parameters should be given by the standard which refers to this test standard:

- a) test medium;
- b) test pressure (bar or MPa);
- c) test duration (h);
- d) test temperature (°C);
- e) 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, while a negative air pressure (partial vacuum) is being applied.

4.2 Vacuum gauge, having an accuracy of ± 1 % at the measured values.