

## **Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems - Specification**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1360:2005 sisaldab Euroopa standardi EN 1360:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.06.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1360:2005 consists of the English text of the European standard EN 1360:2005.</p> <p>This document is endorsed on 22.06.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This European Standard specifies minimum requirements for three types of hoses in two categories and two classes of hose assemblies used for measured fuel dispensing, including oxygenated fuels (up to a maximum of 15 % oxygenated compounds).</p>	<p><b>Scope:</b> This European Standard specifies minimum requirements for three types of hoses in two categories and two classes of hose assemblies used for measured fuel dispensing, including oxygenated fuels (up to a maximum of 15 % oxygenated compounds).</p>
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ICS 23.040.70, 75.200

Võtmesõnad:

English version

## Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems - Specification

Tuyaux et flexibles en caoutchouc pour distribution  
mesurée de carburants - Spécification

Zapfstellenschläuche und -schlauchleitungen aus Gummi  
und Kunststoff - Anforderungen

This European Standard was approved by CEN on 15 March 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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## Foreword

This document (EN 1360:2005) has been prepared by Technical Committee CEN/TC 218 “Rubber and plastics hoses and hose assemblies”, the secretariat of which is held by BSI.

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 November 2005, and conflicting national standards shall be withdrawn at the latest by November 2005.

This document supersedes EN 1360:1996.

**WARNING** – Persons using this European Standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## 1 Scope

This European Standard specifies minimum requirements for three types of hoses in two categories and two classes of hose assemblies used for measured fuel dispensing, including oxygenated fuels (up to a maximum of 15 % oxygenated compounds).

The assemblies are intended for use at ambient temperatures between  $-30\text{ }^{\circ}\text{C}$  and  $+55\text{ }^{\circ}\text{C}$  for normal temperature class and  $-40\text{ }^{\circ}\text{C}$  and  $+55\text{ }^{\circ}\text{C}$  for low temperature class at a working pressure  $\leq 16\text{ bar}^{1)}$ .

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 26801, *Rubber or plastics hoses — Determination of volumetric expansion (ISO 6801:1983)*.

EN 27326, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions (ISO 7326:1991)*.

EN 28033, *Rubber and plastics hose — Determination of adhesion between components (ISO 8033:1991)*.

EN ISO 1307, *Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances, and tolerances on length (ISO 1307:1992)*.

EN ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing (ISO 1402:1994)*.

EN ISO 1746, *Rubber or plastics hoses and tubing - Bending tests (ISO 1746:1998, including technical corrigendum 1:1999)*.

EN ISO 4671, *Rubber and plastics hose and hose assemblies — Methods of measurement of dimensions (ISO 4671:1999)*.

EN ISO 8031, *Rubber and plastics hoses and hose assemblies — Determination of electrical resistance (ISO 8031:1993)*.

EN ISO 8330:2000, *Rubber and plastics hoses and hose assemblies — Vocabulary (ISO 8330:1998)*.

ISO 37, *Rubber, vulcanised or thermoplastic — Determination of tensile stress-strain properties*.

ISO 188, *Rubber, vulcanised or thermoplastic — Accelerated ageing and heat-resistance tests*.

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications*.

ISO 1817, *Rubber, vulcanised — Determination of the effect of liquids*.

ISO 4649, *Rubber, vulcanised or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device*.

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1) 1 bar = 0,1 MPa