



**SLOVENSKI STANDARD**  
**SIST EN ISO 8032:2000**

**01-december-2000**

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Rubber and plastics hose assemblies - Flexing combined with hydraulic impulse test  
(half-omega test) (ISO 8032:1997)

Gummi- und Kunststoffschlauchleitungen - Biegung kombiniert mit hydraulischer  
Impulsprüfung (Halb-Omega-Prüfung) (ISO 8032:1997)

Flexibles hydrauliques en caoutchouc et en plastique - Essai de flexion combiné avec  
des impulsions de pression (essai demi-oméga) (ISO 8032:1997)

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**Ta slovenski standard je istoveten z: EN ISO 8032:1999**

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**ICS:**

23.040.70      Gumene cevi in armature      Hoses and hose assemblies

**SIST EN ISO 8032:2000**

**en**

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EUROPEAN STANDARD

EN ISO 8032

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 1999

ICS 23.040.70

English version

## Rubber and plastics hose assemblies - Flexing combined with hydraulic impulse test (half-omega test) (ISO 8032:1997)

Flexibles hydrauliques en caoutchouc et en plastique -  
Essai de flexion combiné avec des impulsions de pression  
(essai demi-oméga) (ISO 8032:1997)

Gummi- und Kunststoffschlauchleitungen - Biegung  
kombiniert mit hydraulischer Impulsprüfung (Halb-Omega-  
Prüfung) (ISO 8032:1997)

This European Standard was approved by CEN on 3 March 1999.

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.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Page 2  
EN ISO 8032:1999

## Foreword

The text of the International Standard from Technical Committee ISO/TC 45 "Rubber and rubber products" of the International Organization for Standardization (ISO) has been taken over as an European Standard 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 September 1999, and conflicting national standards shall be withdrawn at the latest by September 1999.

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

## Endorsement notice

The text of the International Standard ISO 8032:1997 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA (normative)****Normative references to international publications with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 6802	1991	Rubber and plastics hose and hose assemblies - Wire reinforced - Hydraulic impulse test with flexing	EN 26802	1993
ISO 6803	1994	Rubber or plastics hoses and hose assemblies - Hydraulic-pressure impulse test without flexing	EN ISO 6803	1997

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# INTERNATIONAL STANDARD

**ISO  
8032**

Second edition  
1997-07-15

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## **Rubber and plastics hose assemblies — Flexing combined with hydraulic impulse test (half-omega test)**

*Flexibles hydrauliques en caoutchouc et en plastique — Essai de flexion  
combiné avec des impulsions de pression (essai demi-oméga)*

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Reference number  
ISO 8032:1997(E)

## 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8032 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This second edition cancels and replaces the first edition (ISO 8032:1987), which has been technically revised.

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## Introduction

Hydraulic hose assemblies are frequently flexed in service, especially when used on mobile equipment. This test is designed to accelerate the same type of failure of the test pieces as that which may occur in service.

This International Standard is an alternative method to ISO 6802, which also specifies a method of flexing during impulse testing. ISO 8032 provides a method including more severe bending and higher impulse pressures to accelerate failure results.

NOTE - It shall be clearly understood that this test method uses pressure and bend radius conditions considerably more severe than those specified in the hose product specifications and does not imply that the assemblies may be used in service under these conditions.

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