Fire-fighting hoses - Semi-rigid delivery hoses and hose assemblies for pumps and vehicles KONSOLIDEERITUD TEKST

Fire-fighting hoses - Semi-rigid delivery hoses and hose assemblies for pumps and vehicles
CONSOLIDATED TEXT

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

Käesolev Eesti standard EVS-EN 1947:2002+A1:2007 sisaldab Euroopa standardi EN 1947:2002+A1:2007 ingliskeelset teksti. Käesolev dokument on jõustatud 31.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 1947:2002+A1:2007 consists of the English text of the European standard EN 1947:2002+A1:2007. This document is endorsed on 31.05.2007 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

NATIONAL FOREWORD

Käsitlusala: This European Standard specifies the requirements and test methods for semi-rigid reel hoses for use on firefighting vehicles and trailer pumps. The hoses are intended for use at a maximum working pressure of 1,5 MPa for normal pressure hoses (category I) and 4,0 MPa for high pressure hoses (category II). The hoses are further subdivided into types and classes (see clause 4). The standard applies to delivery hoses for fire-fighting purposes intended for use at a minimum ambient temperature of -20 °C.	**Scope:** This European Standard specifies the requirements and test methods for semi-rigid reel hoses for use on firefighting vehicles and trailer pumps. The hoses are intended for use at a maximum working pressure of 1,5 MPa for normal pressure hoses (category I) and 4,0 MPa for high pressure hoses (category II). The hoses are further subdivided into types and classes (see clause 4). The standard applies to delivery hoses for fire-fighting purposes intended for use at a minimum ambient temperature of -20 °C.

ICS 13.220.10, 23.040.70

Võtmesõnad: definition, definitions, dimensional stability, fire brigade, fire extinguishing equipment, fire fighting vehicles, fire hoses, firefighting vehicles, flexible pipes, pumps, specification (approval), specifications, testing

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1947:2002+A1

April 2007

ICS 13.220.10; 23.040.70

Supersedes EN 1947:2002

English Version

Fire-fighting hoses - Semi-rigid delivery hoses and hose assemblies for pumps and vehicles

Tuyaux de lutte contre l'incendie - Tuyaux de refoulement semi-rigides et flexibles pour pompes et véhicules

Feuerlöschschläuche - Formstabile Druckschläuche und Einbände für Pumpen und Feuerwehrfahrzeuge

This European Standard was approved by CEN on 7 April 2002 and includes Amendment 1 approved by CEN on 12 March 2007.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Ref. No. EN 1947:2002+A1:2007: E

Contents

Foreword

This document (EN 1947:2002+A1:2007) has been prepared by Technical Committee CEN/TC 192, "Fire service equipment", 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 October 2007 and conflicting national standards shall be withdrawn at the latest by October 2007.

This document includes Amendment 1, approved by CEN on 2007-03-12.

This document supersedes EN 1947:2002.

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A1⟩ ⟨A1]

At present there is no existing ISO Standard on the same subject but ISO 4642:1978 “Rubber products - Hoses, non-collapsible, for fire-fighting service” is under revision by ISO/TC 45. Requirements for semi-rigid hoses for use with fixed systems are given in EN 694; those for non-percolating layflat hoses are given in prEN 1924 (pumps and vehicles) and prEN 14540 (fixed systems).

[A1⟩ *deleted text* ⟨A1]

Users of this European Standard are advised to consider the desirability of independent certification of product conformity with this European Standard based on testing and continuing surveillance, which may be coupled with assessment of a supplier’s quality system against EN ISO 9001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, 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 and United Kingdom.

Introduction

The European Standard is mainly concerned with fire service semi-rigid delivery hoses and incorporates those hoses used manually to control and extinguish fires.

1 Scope

This European Standard specifies the requirements and test methods for semi-rigid reel hoses for use on fire-fighting vehicles and trailer pumps. The hoses are intended for use at a maximum working pressure of 1,5 MPa for normal pressure hoses (category I) and 4,0 MPa for high pressure hoses (category II). The hoses are further subdivided into types and classes (see clause 4).

The standard applies to delivery hoses for fire-fighting purposes intended for use at a minimum ambient temperature of -20 °C.

NOTE 1 Hoses for use at temperatures lower than -20 °C may be supplied by agreement between the manufacturer and purchaser.

Hoses conforming to this standard should be used with fire hose couplings conforming to the relevant national standards couplings.

Requirements are also given for hose assemblies (see clause 9) where these are fitted by the hose manufacturer.

NOTE 2 All pressures are expressed in megapascals. 1 MPa = 10 bar.

2 Normative references

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 (including amendments).

EN 27326:1993, *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 176:1999, *Plastics — Determination of loss of plasticizers — Activated carbon method (ISO 176:1976).*

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 4672:1999, *Rubber and plastics hoses — Sub-ambient temperature flexibility tests (ISO 4672:1997).*

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

ISO 4671:1984, *Rubber and plastics hoses and hose assemblies — Methods of measurement of dimensions.*

ISO 8330, *Rubber and plastics hoses and hose assemblies — Vocabulary.*