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Portable equipment for projecting extinguishing agents supplied by firefighting pumps - Hand-held branchpipes for fire service use - Part 1: Common requirements

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

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See Eesti standard EVS-EN 15182-1:2019 sisaldab Euroopa standardi EN 15182-1:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 15182-1:2019 consists of the English text of the European standard EN 15182-1:2019.
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 18.09.2019.	Date of Availability of the European standard is 18.09.2019.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 13.220.10

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 15182-1

September 2019

ICS 13.220.10

Supersedes EN 15182-1:2007+A1:2009

English Version

Portable equipment for projecting extinguishing agents supplied by firefighting pumps - Hand-held branchpipes for fire service use - Part 1: Common requirements

Equipement portable de projection d'agents d'extinction alimenté par des pompes à usage incendie - Lances à main destinées aux services d'incendie et de secours - Partie 1 : Prescriptions communes

Tragbare Geräte zum Ausbringen von Löschmitteln, die mit Feuerlöschpumpen gefördert werden - Strahlrohre für die Brandbekämpfung - Teil 1: Allgemeine Anforderungen

This European Standard was approved by CEN on 10 June 2019.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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Ref. No. EN 15182-1:2019 E

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European foreword

This document (EN 15182-1:2019) has been prepared by Technical Committee CEN/TC 192 “Fire and rescue 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 March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15182-1:2007+A1:2009.

Compared to EN 15182-1:2007+A1:2009 the following changes have been made:

— the definitions have been updated and three new definitions have been added (“closed branchpipe”, “main shut off valve”, “open breanchpipe”);

— each verification has been placed under the corresponding requirement;

— the values of rated discharge at p_R (see Table 1) have been updated;

— p_N replaced with p_R in 6.6.4;

— addition of the designation (new Clause 7);

— the marking (Clause 8) has been updated;

— the classification (see Annex A) has been updated in accordance with EN 15182-2:2019;

— improvement of the wording/editorial changes.

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

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Introduction

This document has been created to provide a minimum level of safety and performance criteria.

Its purpose is not to define a specific branchpipe design but to help the user in understanding and choosing the correct equipment.

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1 Scope

This document applies to hand-held branchpipes. It deals with:

— safety requirements;

— performance requirements;

— test methods;

— classification and designation;

— instructions for use and maintenance;

— marking.

It is advised to read this document in conjunction with parts 2, 3 or 4.

This document does not apply to branchpipes covered by EN 671 series, foam branchpipes covered by EN 16712-3, powder branchpipes, or branchpipes with a maximum working pressure above 40 bar.

NOTE 1 The Working Group has thoroughly addressed and discussed the issue of electrical safety in relation to using water branchpipes. However, an electrical test is not incorporated into this document as international experience, as well as research (NFPA handbook, French research, etc) have shown that any “artificial” or “laboratory style” testing will not take into account poor visibility and other conditions present on any fire ground, nor the problem of estimating distances under these conditions. When fighting fires in or near electrical installations, the power is cut off as soon as possible (see the operating instructions, 8.1). Also, it is best practice to maintain a maximum possible safety distance (at least 1 m up to 1 000 V) and to use a spray jet with a minimum spray angle of 30 °.

NOTE 2 It is essential to take into account reaction forces before choosing and operating branchpipes.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 15182-2:2019, *Portable equipment for projecting extinguishing agents supplied by firefighting pumps — Hand-held branchpipes for fire service use — Part 2: Combination branchpipes PN 16*

EN 15182-3:2019, *Portable equipment for projecting extinguishing agents supplied by firefighting pumps — Hand-held branchpipes for fire service use — Part 3: Smooth bore jet and/or one fixed spray jet angle branchpipes PN 16*

EN 15182-4:2019, *Portable equipment for projecting extinguishing agents supplied by firefighting pumps — Hand-held branchpipes for fire service use — Part 4: High pressure branchpipes PN 40*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

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