

**EN 15182-3:2019**



**NBN EN 15182-3:2019**



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**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**

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EUROPEAN STANDARD  
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**EN 15182-3**

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English Version

**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**

Équipement 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 3 : Lances à jet plein et/ou une  
 diffusion à angle fixe PN 16

Tragbare Geräte zum Ausbringen von Löschmitteln, die  
 mit Feuerlöschpumpen gefördert werden - Strahlrohre  
 für die Brandbekämpfung - Teil 3: Strahlrohre mit  
 Vollstrahl und/oder einem unveränderlichen  
 Sprühstrahlwinkel PN 16

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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## European foreword

This document (EN 15182-3:2019) 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 February 2020, and conflicting national standards shall be withdrawn at the latest by February 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 15182-3:2007+A1:2009.

Compared to EN 15182-3:2007+A1:2009 the following changes have been made:

- each verification has been placed under the corresponding requirement;
- a test to measure the forces needed to move the rotating elements which have detents (4.2.2) has been added;
- the requirements for flowrates (4.3.2) have been updated;
- the verifications for leak-tightness (4.4) and hydrostatic behaviour (4.5) have been updated;
- 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.

## EN 15182-3:2019 (E)

### 1 Scope

In addition to the requirements given in EN 15182-1:2019, this document applies to hand-held branchpipes with smooth bore jet and/or one fixed spray jet angle branchpipes with a nominal pressure of 16 bar (1,6 MPa) PN 16, with a maximum flow rate up to 1 000 l/min at a reference pressure of 6 bar (0,6 MPa). It deals with:

- safety requirements;
- performance requirements;
- test methods.

This document applies to branchpipes as defined in Annex A of EN 15182-1:2019.

**WARNING 1** — These branchpipes offer no or inadequate protection for firefighters when the spray angle is less than 30 ° and therefore, are not be used in high risk firefighting situations such as internal attack.

**WARNING 2** — These branchpipes should not be used when fighting fires in or near electrical installations when the spray angle is less than 30° without written authorization from the manufacturer in the manual. This authorization from the manufacturer includes safety distances.

### 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 15182-1:2019, *Portable equipment for projecting extinguishing agents supplied by firefighting pumps — Hand-held branchpipes for fire service use — Part 1: Common requirements*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15182-1:2019 and the following 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>

#### 3.1

##### **smooth bore branchpipe**

branchpipe providing a solid water stream

### 4 Requirements and verification

#### 4.1 General

The branchpipes covered by this document shall comply with EN 15182-1:2019.

All the tests defined in this document are type tests.

Unless otherwise specified, tests shall be carried out at the reference pressure  $p_R$ .