



BSI Standards Publication

Portable equipment for projecting extinguishing agents supplied by firefighting pumps — Hand-held branchpipes for fire service use

Part 4: High pressure branchpipes PN 40

National foreword

This British Standard is the UK implementation of EN 15182-4:2019. It supersedes BS EN 15182-4:2007+A1:2009, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FSH/17, Fire & Rescue Service Equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Supersedes EN 15182-4:2007+A1:2009

English Version

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

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 4 : Lances haute pression PN 40

Tragbare Geräte zum Ausbringen von Löschmitteln,
die mit Feuerlöschpumpen gefördert werden —
Strahlrohre für die Brandbekämpfung —
Teil 4: Hochdruckstrahlrohre PN 40

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 15182-4:2019) 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 15182-4:2007+A1:2009.

Compared to EN 15182-4:2007+A1:2009 the following changes have been made:

- new maximum flowrate: 250 l/min;
- the definitions have been updated;
- 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.

1 Scope

In addition to the requirements given in EN 15182-1:2019, this document applies to hand-held high pressure branchpipes (nozzles) with a nominal pressure of 40 bar (4,0 MPa) PN 40, with a maximum flow rate up to 250 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.

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 high pressure branchpipe
branchpipe including a shut-off device and an adjustable pattern with a nominal pressure (maximum operating pressure) of 40 bar

NOTE Branchpipe is defined in 3.1 of EN 15182-1:2019.

3.1.1 high pressure branchpipe – type 1
high pressure branchpipe with adjustable pattern at variable flow

NOTE Changing pattern changes the flow at one given pressure.

3.1.2 high pressure branchpipe – type 2
high pressure branchpipe with adjustable pattern at fixed flow

NOTE Changing pattern does not change the flow at one given pressure.

3.1.3 high pressure branchpipe – type 3
high pressure branchpipe with adjustable pattern at selectable, fixed flow

NOTE Changing pattern does not change the flow at one given pressure.