INTERNATIONAL STANDARD

ISO 14557

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AMENDMENT 1
2007-10-15

Fire-fighting hoses — Rubber and plastics suction hoses and hose assemblies

AMENDMENT 1

Tuyaux de lutte contre l'incendie — Tuyaux d'aspiration et flexibles en caoutchouc et en plastique

AMENDEMENT 1

Reference number
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Foreword

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

Amendment 1 to ISO 14557:2002 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 192, *Fire service equipment*, in collaboration with Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Fire-fighting hoses — Rubber and plastics suction hoses and hose assemblies

AMENDMENT 1

Foreword

NOTE There are differences between the forewords of ISO 14557:2002 and EN ISO 14557:2002. Please therefore follow the instructions below for the relevant version that is being amended.

In ISO 14557:2002, delete the following text from the ISO Foreword (on page iii):

> Annexes A, B, C, D and E form a normative part of this International Standard. Annex F is for information only.

as well as the following text from the CEN Foreword (on page vi):

> The annexes A to E and Z are normative. Annex F is informative.

In EN ISO 14557:2002, delete the following text from the Foreword:

> The annexes A to E and Z are normative. Annex F is informative.

Subclause 6.5 “Bending resistance”

Add the following note to the end of the subclause:

> NOTE The method is only suitable for hoses with an ID up to 80 mm. (A test method is being developed in ISO/TC 45/SC 1 for hoses with an ID greater than 80 mm.)

Clause 7

NOTE There is a difference between the ISO 14557:2002 text and the EN ISO 14557:2002 text that is corrected by this Amendment. A clause relating to “Frequency of testing” was omitted from the ISO version but included in the EN ISO version. Please follow the instructions below for the relevant version that is being amended.

In ISO 14557:2002, add the new Clause 7 shown below, and renumber the existing Clause 7 “Marking” and Clause 8 “Hose assemblies” as Clauses 8 and 9, respectively.

In EN ISO 14557:2002, replace Clause 7 with the following text:

7 Frequency of testing

Type tests are those tests carried out to determine that the hose design and methods of manufacture meet the full requirements of the standard. They shall be repeated whenever the hose construction or the materials are modified. Repeat type tests shall be carried out every five years unless it can be confirmed by the manufacturer that no changes have been made during this period.

Batch tests are those tests to be carried out on a hose or sample of hose from every batch manufactured.

Production tests are those tests to be carried out on every manufactured length of hose.

Batch tests as given in Annex G should be carried out to control the quality of the product. They are given for guidance only.

Replace Annex F with the following text:

Annex F
(normative)

Type testing and production testing

Table F.1 specifies the tests which shall be carried out for type testing and production testing.

Table F.1 — Tests to be carried out

Dimension/property under test (with reference to relevant clause or subclause)	**Type testing**	**Production testing**
Inside diameter (5.1)	√	√
Maximum mass (5.1)	√	—
Proof pressure (6.1.1)	√	—
Burst pressure (6.1.2)	√	—
Adhesion (6.2)	√	—
Low temperature flexibility (6.3)	√	—
Ozone resistance (6.4)	√	—
Bending (6.5)	√	—
Loss in mass on heating (6.7)	√	—
Vacuum resistance (6.8)	√	—
Pressure impulse (6.9)	√	—
Reinforcement fracture resistance (6.10)	√	—
Flexibility at ambient temperature (6.11)	√	—
Vacuum resistance with flexing (6.12)	√	—
Hose assembly (where applicable) (Clause 9)	√	√

Insert the following new Annex G:

Annex G
(informative)

Batch testing

Table G.1 — Recommended tests

Dimension/property under test (with reference to relevant clause or subclause)	**Batch testing**
Inside diameter (5.1)	√
Maximum mass (5.1)	√
Proof pressure (6.1.1)	√
Burst pressure (6.1.2)	√
Adhesion (6.2)	√
Low temperature flexibility (6.3)	√
Ozone resistance (6.4)	√
Bending (6.5)	√
Loss in mass on heating (6.7)	—
Vacuum resistance (6.8)	√
Pressure impulse (6.9)	—
Reinforcement fracture resistance (6.10)	√
Flexibility at ambient temperature (6.11)	√
Vacuum resistance with flexing (6.12)	—
Hose assembly (where applicable) (Clause 9)	√

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