



**NSAI**  
Standards

Irish Standard  
I.S. EN 671-1:2012

# Fixed firefighting systems - Hose systems - Part 1: Hose reels with semi-rigid hose

## I.S. EN 671-1:2012

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## Fixed firefighting systems - Hose systems - Part 1: Hose reels with semi-rigid hose

Installations fixes de lutte contre l'incendie - Systèmes  
équipés de tuyaux - Partie 1: Robinets d'incendie armés  
équipés de tuyaux semi-rigides

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## Foreword

This document (EN 671-1:2012) has been prepared by Technical Committee CEN/TC 191 “Fixed firefighting systems”, the secretariat of which is held by BSI.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2012 and conflicting national standards shall be withdrawn at the latest by January 2014.

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

This document supersedes EN 671-1:2001.

EN 671-1:2001 has been technically revised and editorial edited. The order of clauses has been changed. Annex ZA has been updated.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

For convenience of application in testing, the normative annexes of this European Standard are arranged so that Annex A gives the sequence of testing for conformity assessment and Annexes B, C, D, E and F are in the correct sequence for testing.

EN 671 has the general title “Fixed firefighting systems — Hose systems” and is in three parts:

- *Part 1: Hose reels with semi-rigid hose;*
- *Part 2: Hose systems with lay-flat hose;*
- *Part 3: Maintenance of hose reels with semi-rigid hose and hose systems with lay-flat hose.*

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, Croatia, 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, Turkey and the United Kingdom.

## Introduction

Fire hose reels in proper condition provide a very effective firefighting facility with a continuous supply of water available immediately.

The requirements of this European Standard have been specified to ensure that hose reels can be operated efficiently by one person and that such systems have a long service life.

## 1 Scope

This European Standard specifies requirements and methods of test for the construction and performance of fire hose reel systems with semi-rigid hose for installation in buildings, permanently connected to a water supply, for use by the occupants.

It also provides requirements on evaluation of conformity and marking of these products.

Its requirements may apply in general for other applications, for example in marine applications or in aggressive environments, but additional requirements can be necessary in such cases.

This European Standard is applicable to both manual and automatic fire hose reels for installation with and without cabinets.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 671-3, *Fixed firefighting systems — Hose systems — Part 3: Maintenance of hose reels with semi-rigid hose and hose systems with lay-flat hose*

EN 694, *Fire-fighting hoses — Semi-rigid hoses for fixed systems*

EN ISO 4892-2:2006, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 4892-2:2006)*

EN ISO 9227:2006, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227:2006)*

ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

## 3 Terms and definitions

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

**3.1 automatic fire hose reel; automatic hose reel**  
firefighting appliance consisting essentially of a reel with water supplied through the centre, automatic inlet stop valve, semi-rigid hose, shut-off nozzle and, where required, a hose guide



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