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Standards

Irish Standard  
I.S. EN 1147:2010

# Portable ladders for fire service use

## I.S. EN 1147:2010

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

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Údarás um Chaighdeáin Náisiúnta na hÉireann

English Version

## Portable ladders for fire service use

Échelles portables à l'usage des services d'incendie

Tragbare Leitern für die Verwendung bei der Feuerwehr

This European Standard was approved by CEN on 29 April 2010.

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## Contents

Page

Foreword.....	4
Introduction .....	5
1 Scope .....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 Categorization .....	8
5 Dimensions and total masses .....	9
5.1 Length .....	9
5.2 Width between stiles .....	9
5.3 Mass .....	9
6 Rungs .....	9
7 Extending ladder requirements .....	11
7.1 Force .....	11
7.2 Lines .....	11
7.3 Cables .....	11
7.4 Additional safety requirements .....	11
7.5 Pawls .....	11
8 Fittings .....	11
8.1 Hooks .....	11
8.2 Feet .....	12
8.3 Wheels .....	12
9 Stabilizing means .....	12
10 Poles .....	12
11 Materials and finishes .....	12
12 Marking .....	13
13 Performance requirements .....	14
13.1 Deflection – All ladders .....	14
13.2 Deflection – Compulsory pole .....	15
13.3 Other tests .....	15
14 General test parameters .....	15
<b>Annex A (normative) Deflection test: applicable to all ladders not covered by Annex B except hook ladders (non-destructive) .....</b>	<b>17</b>
<b>Annex B (normative) Deflection test: applicable to 3-person compulsory pole ladder (non-destructive) .....</b>	<b>20</b>
<b>Annex C (normative) Rung torque test: all ladders (non-destructive) .....</b>	<b>23</b>
<b>Annex D (normative) Pole test (non-destructive) .....</b>	<b>24</b>
<b>Annex E (normative) Horizontal test: applicable to all ladders not covered by Annex F except hook ladders (destructive) .....</b>	<b>25</b>
<b>Annex F (normative) Horizontal test: applicable to 3-person compulsory pole ladder (destructive) .....</b>	<b>26</b>
<b>Annex G (normative) Pawl test: applicable to all extension ladders (destructive) .....</b>	<b>27</b>

<b>Annex H (normative) Rescue ladder rung test: applicable to all rescue ladders (destructive)</b> .....	<b>28</b>
<b>Annex I (normative) Access ladder rung test: applicable to all access ladders (destructive)</b> .....	<b>29</b>
<b>Annex J (normative) Hook rung and ladder integrity test: for tip-loaded hooks (destructive)</b> .....	<b>30</b>
<b>Annex K (normative) Hook rung and ladder integrity test: for mid-loaded hooks (destructive)</b> .....	<b>31</b>
<b>Annex L (normative) Foot side strength test: ground standing ladders (destructive)</b> .....	<b>32</b>
<b>Annex M (informative) Recommendations for test frequency, repair, servicing and design considerations</b> .....	<b>33</b>
<b>M.1 Inspection and maintenance</b> .....	<b>33</b>
<b>M.2 Non-destructive test schedule</b> .....	<b>33</b>
<b>M.3 Design</b> .....	<b>34</b>
<b>Annex N (informative) Information and recommendations for user safety</b> .....	<b>35</b>
<b>Annex O (informative) A-deviations</b> .....	<b>36</b>
<b>Bibliography</b> .....	<b>37</b>

## **Foreword**

This document (EN 1147:2010) has been prepared by Technical Committee CEN/TC 192 “Fire 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 November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.

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 1147:2000.

Annexes A, B, C, D, E, F, G, H, I, J, K and L are normative; Annexes M, N and O are informative.

This European Standard contains A-deviations referring to Clauses 6 and 9.

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 and the United Kingdom.

## **Introduction**

This European Standard is based on the performance of portable fire and rescue service ladders in normal use and includes safety requirements. A safety factor of the order of 3:1 has been used and the mass of a firefighter including personal equipment and breathing apparatus has been taken as 108 kg.

The standard sets out minimum and/or maximum values within which the customer may specify his own requirements.

In preparing this standard it has been recognized that the operational use of portable ladders varies throughout Europe.

## 1 Scope

This European Standard specifies requirements, test methods and performance criteria for portable ladders for fire and rescue service use and associated purposes.

The tests in this European Standard are type tests and not periodical tests.

Non-portable ladders for fire and rescue service use are excluded from this standard.

NOTE For ladders for other uses see EN 131 (all parts).

## 2 Normative references

The following referenced documents are indispensable for the application 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 131-2:1993, *Ladders — Requirements, testing, marking*

## 3 Terms and definitions

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

### 3.1

#### **access ladder**

ladder designed for gaining access

NOTE Access ladders are not recommended for rescue by carry-down or carry-up.

### 3.2

#### **angle of pitch**

angle between the horizontal plane and the underside of the stiles of the ladder in use

### 3.3

#### **cable**

wire rope for mechanically extending and housing an extension ladder

### 3.4

#### **carry-down and carry-up**

lifting of the whole weight of another person

### 3.5

#### **compulsory pole ladder**

ladder where the use of poles to support the ladder is mandatory

### 3.6

#### **distance between rungs**

distance measured in the middle line between the stiles from the upper edge of a rung to the upper edge of an adjacent rung

### 3.7

#### **extending ladder**

ladder consisting of two or more sliding sections



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