

Kinnitatud redelid ja pääseluugid

Fixed ladders for manholes

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 14396:2004 sisaldab Euroopa standardi EN 14396:2004 ingliskeelset teksti.	This Estonian standard EVS-EN 14396:2004 consists of the English text of the European standard EN 14396:2004.
Käesolev dokument on jõustatud 18.05.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 18.05.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This standard applies to permanently fixed ladders in manholes. It specifies the performance criteria for the mechanical stability and resistance providing protection against falling. The ladders specified in this European Standard are suitable for use in sewage, rainwater, surface water and, subject to the requirements of national regulations, potable water environments.	Scope: This standard applies to permanently fixed ladders in manholes. It specifies the performance criteria for the mechanical stability and resistance providing protection against falling. The ladders specified in this European Standard are suitable for use in sewage, rainwater, surface water and, subject to the requirements of national regulations, potable water environments.
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Võtmesõnad: access openings, mountaineering, safety, sample surveys, shaf, shafts, specification (approval), specifications, sports equipment, stationary, steels, surveillance (approval), types, water meter pits, water practice, water supply, water supply (buildings), well shafts

ICS 97.145

English version

Fixed ladders for manholes

Echelles fixes pour raccords

Ortsfeste Steigleitern für Schächte

This European Standard was approved by CEN on 28 November 2003.

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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 Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 14396:2004) has been prepared by Technical Committee CEN/TC 165 “Waste water engineering”, the secretariat of which is held by DIN.

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 July 2004, and conflicting national standards shall be withdrawn at the latest by October 2005.

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.

Annexes A to F are normative.

This document includes a Bibliography.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This standard applies to permanently fixed ladders in manholes. It specifies the performance criteria for the mechanical stability and resistance providing protection against falling.

The ladders specified in this European Standard are suitable for use in sewage, rainwater, surface water and, subject to the requirements of national regulations, potable water environments.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 353-1, *Personal protective equipment against falls from a height - Part 1: Guided type fall arresters including a rigid anchor line*

EN 365, *Personal protective equipment against falls from a height — General requirements for instructions for use and for marking.*

EN 10025, *Hot rolled products of non-alloy structural steels — Technical delivery conditions.*

ENV 10080, *Steel for the reinforcement of concrete — Weldable ribbed reinforcing steel B 500 — Technical delivery conditions for bars, coils and welded fabric.*

EN 10088-1, *Stainless steels — Part 1: List of stainless steels.*

EN 10088-3, *Stainless steels — Part 3: Technical delivery conditions for semi-finished products, bars, rods and sections for general purposes.*

EN 10204, *Metallic products - Types of inspection documents.*

EN 13706, *Reinforced plastic composites — Specification for pultruded profiles (all parts).*

EN ISO 179-1:2000, *Plastics — Determination of Charpy impact properties — Part 1: Non- instrumented impact test (ISO 179-1:2000).*

EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods (ISO 1461:1999).*

EN ISO 4892-2:1999, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc sources (ISO 4892-2:1994).*

EN ISO 14125:1998, *Fibre-reinforced plastic composites — Determination of flexural properties (ISO 14125:1998).*

3 Terms, definitions and symbols

3.1 Terms and definitions

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

3.1.1

fixed ladder with two stringers

ladder, which is stationary and where the rungs are arranged between and attached to the stringers and the stringers carry the load