

**Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Hinged manhole covers and neckrings with pivoting bolts**

Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Hinged manhole covers and neckrings with pivoting bolts

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14512:2006 sisaldab Euroopa standardi EN 14512:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 20.09.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14512:2006 consists of the English text of the European standard EN 14512:2006.</p> <p>This document is endorsed on 20.09.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This European Standard specifies the requirements for hinged manhole covers and neckrings with pivoting bolts for use on transportable tanks with a minimum working pressure greater than 50 kPa for the transport of dangerous goods by road and rail.</p>	<p><b>Scope:</b></p> <p>This European Standard specifies the requirements for hinged manhole covers and neckrings with pivoting bolts for use on transportable tanks with a minimum working pressure greater than 50 kPa for the transport of dangerous goods by road and rail.</p>
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**ICS** 13.300, 23.020.20

**Võtmesõnad:** containers, mounting de, openings, pressure, pressure vessels, production, ratings, specification (approval), specifications, stress, tanks, tanks (containers), tightness, transport, transport of dangerous goods, wall thicknesses, vapour pressure, working pressures

ICS 13.300; 23.020.20

English Version

**Tanks for the transport of dangerous goods - Tank equipment  
for the transport of liquid chemicals - Hinged manhole covers  
and neckrings with pivoting bolts**

Citernes pour le transport de matières dangereuses -  
Equipements de la citerne pour le transport de produits  
chimiques liquides - Viroles et couvercles de trou d'homme  
à boulons basculants à charnière

Tanks für die Beförderung gefährlicher Güter - Ausrüstung  
für Tanks für die Beförderung flüssiger Chemieprodukte -  
Klappdeckeldome

This European Standard was approved by CEN on 19 June 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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 United Kingdom.



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## Foreword

This document (EN 14512:2006) has been prepared by Technical Committee CEN/TC 296 "Tanks for transport of dangerous goods", the secretariat of which is held by AFNOR.

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 January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

This European Standard has been submitted for reference into the RID and/or in the technical annexes of the ADR. Therefore in this context the standards listed in the normative references clause and covering basic requirements of the RID/ADR not addressed within the present standard are normative only when the standards themselves are referred to in the RID and/or in the technical annexes of the ADR.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## 1 Scope

This European Standard specifies the requirements for hinged manhole covers and neckrings with pivoting bolts for use on transportable tanks with a minimum working pressure greater than 50 kPa for the transport of dangerous goods by road and rail.

## 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 12266-1:2003, *Industrial valves - Testing of valves - Part 1: Pressure tests, test procedures and acceptance criteria - Mandatory requirements*

EN 12266-2:2002, *Industrial valves - Testing of valves - Part 2: Tests, test procedures and acceptance criteria - Supplementary requirements*

EN 14025:2003, *Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction*

## 3 Terms and definitions

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

### 3.1

**maximum working pressure**

**MWP**

maximum pressure up to which the equipment can be operated

### 3.2

**test pressure**

highest effective pressure to which the shell is exposed during the hydraulic test

## 4 Function

The manhole cover provides access into the tank for inspection, cleaning, maintenance and loading of product. The neckring is an item that is welded into the tank that provides suitable sealing and fixation for the manhole cover.

## 5 Design and materials

### 5.1 General

The manufacturer shall specify in drawings and other papers, the design and the materials of the manhole cover and neckring. The minimum inside diameter of the neckring, for personnel entry into the tank, shall be 500 mm. Smaller neckrings, maximum diameter 300 mm, are allowed for inspection and cleaning purposes.