

**Vertikaalsed
püsiliikluskorraldusvahendid. Osa 3:
Tähispostid ja helkurid**

Fixed, vertical road traffic signs - Part 3: Delineator posts and retroreflectors

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12899-3:2007 sisaldab Euroopa standardi EN 12899-3:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12899-3:2007 consists of the English text of the European standard EN 12899-3:2007.</p> <p>This document is endorsed on 18.12.2007 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>Käsitlusala: This Part 3 of EN 12899 specifies requirements for new delineator posts and for new retroreflectors as separate products or combined together to be used in traffic circulation areas. It covers performance requirements and test methods. Colorimetric and retroreflective properties are specified taking into account CIE recommendations. Structural requirements include performance under static and dynamic loading. Provision is made for safety in use, including vehicle impact. To define durability this standard also includes performance levels to be maintained after natural weathering exposure. No requirements are given for the use of colours, dimensions and tolerances of delineator posts and retroreflectors.</p>	<p>Scope: This Part 3 of EN 12899 specifies requirements for new delineator posts and for new retroreflectors as separate products or combined together to be used in traffic circulation areas. It covers performance requirements and test methods. Colorimetric and retroreflective properties are specified taking into account CIE recommendations. Structural requirements include performance under static and dynamic loading. Provision is made for safety in use, including vehicle impact. To define durability this standard also includes performance levels to be maintained after natural weathering exposure. No requirements are given for the use of colours, dimensions and tolerances of delineator posts and retroreflectors.</p>
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English Version

Fixed, vertical road traffic signs - Part 3: Delineator posts and retroreflectors

Signaux fixes de signalisation routière verticale - Partie 3:
Délinéateurs et rétroreflecteurs

Ortsfeste, vertikale Straßenverkehrszeichen - Teil 3:
Leitposten und Retroreflektoren

This European Standard was approved by CEN on 4 February 2007.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 12899-3:2007) has been prepared by Technical Committee CEN/TC 226 "Road equipment" 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 May 2008, and conflicting national standards shall be withdrawn at the latest by August 2012.

No existing European Standard is superseded.

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 Directives.

For relationship with EU Directives, see informative Annex ZA, which is an integral part of this document.

This European Standard consists of the following Parts under the general title:

Fixed, vertical road traffic signs —

Part 1: *Fixed signs*

Part 2: *Transilluminated traffic bollards (TTB)*

Part 3: (this part) *Delineator posts and retroreflectors*

Part 4: *Factory production control*

Part 5: *Initial type testing*

It is based on performance requirements and test methods published in CEN, CENELEC, CIE (International Commission on Illumination) and ISO documents together with standards of the CEN member organizations.

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, 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.

Introduction

This European Standard is designed for use by road authorities. It can also be used by private developers who wish to use signs on their own land similar to those used on public highways.

It can be used to implement type approval and certification testing.

It derives from performance requirements and test methods published in CEN, CENELEC, CIE and ISO documents together with standards of the CEN member organizations.

1 Scope

This Part 3 of EN 12899 specifies requirements for new delineator posts and for new retroreflectors as separate products or combined together to be used in traffic circulation areas.

It covers performance requirements and test methods.

Colorimetric and retroreflective properties are specified taking into account CIE recommendations.

Structural requirements include performance under static and dynamic loading.

Provision is made for safety in use, including vehicle impact.

To define durability this standard also includes performance levels to be maintained after natural weathering exposure.

No requirements are given for the use of colours, dimensions and tolerances of delineator posts and retroreflectors.

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 12767, *Passive safety of support structures for road equipment — Requirements and test methods*

EN 12899-1:2007, *Fixed, vertical road traffic signs — Part 1: Fixed signs*

EN 12899-4:2007, *Fixed, vertical road traffic signs — Part 4: Factory production control*

EN 12899-5:2007, *Fixed, vertical road traffic signs — Part 5: Initial type testing*

EN ISO 877:1996, *Plastics — Methods of exposure to direct weathering, to weathering using glass-filtered daylight, and to intensified weathering by daylight using Fresnel mirrors (ISO 877:1994)*

EN ISO 9001, *Quality management systems — Requirements (ISO 9001:2000)*

ISO 4:1997, *Information and documentation — Rules for the abbreviation of title words and titles of publications*

ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests*

ISO/CIE 10526, *CIE standard illuminants for colorimetry*

ISO/CIE 10527, *CIE standard colorimetric observers*

CIE 15, *Colorimetry*

CIE 54.2, *Retroreflection — Definition and measurement*