



SLOVENSKI STANDARD
SIST-TS CEN/TS 1317-9:2024

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Oprema cest - 9. del: Merila za preskušanje ob naletu in preskusne metode za odstranljive elemente varnostnih ograj

Road restraint systems - Part 9: Impact tests and test methods for removable barrier sections

Rückhaltesysteme an Straßen - Leistungsklassen, Abnahmekriterien für Anprallprüfungen und Prüfverfahren für leicht entfernbar Schutzabschnitte

Dispositifs de retenue routiers - Essais de choc et méthodes d'essai pour les sections amovibles de barrière de sécurité

Ta slovenski standard je istoveten z: CEN/TS 1317-9:2023

ICS:

13.200	Preprečevanje nesreč in katastrof	Accident and disaster control
93.080.30	Cestna oprema in pomožne naprave	Road equipment and installations

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ICS 13.200; 93.080.30

Supersedes ENV 1317-4:2001

English Version

**Road restraint systems - Part 9: Impact tests and test
methods for removable barrier sections**

Dispositifs de retenue routiers - Essais de choc et
méthodes d'essai pour les sections amovibles de
barrière de sécurité

Rückhaltesysteme an Straßen - Leistungsklassen,
Abnahmekriterien für Anprallprüfungen und
Prüfverfahren für leicht entfernbare
Schutzeinrichtungsabschnitte

This Technical Specification (CEN/TS) was approved by CEN on 4 September 2023 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (CEN/TS 1317-9:2023) has been prepared by Technical Committee CEN/TC 226 “Road equipment”, the secretariat of which is held by AFNOR.

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

This document partially supersedes ENV 1317-4:2001.

This document, fully dedicated to removable barrier sections (RBS) will partly supersede ENV 1317-4:2001 in which RBS are addressed only in subclause 6.2, in which they are treated as special transitions for lengths up to 40 m, and safety barriers for higher lengths.

In comparison with ENV 1317-4, the following technical modifications have been made:

- emergency passage: considered in 3.7,
- deformation of the RBS (5.4): specification of Dynamic Deflection, Working Width and System intrusion. Reporting of completely detached parts,
- connection force (5.5): reporting of the longitudinal forces acting under impact on the connections with the two barriers,
- impact points (6.3): different definition of the location and of the number of impact points,
- length of test installation (8): minimum length of the connected barriers,
- modular RBS of different length (9): reduced test matrix for products derived from a parent RBS, by assembling a different number of the same modules.

This document is read in conjunction with EN 1317-1:2010 and EN 1317-2:2010 and EN 1317-5:2007+A2:2012 and CEN/TR 1317-10. [TS 1317-9:2024](https://standards.iteh.ai/catalog/standards/sist/2ad1e29e-e298-448e-932b-e8447b0ef2f7/sist-ts-cen-ts-1317-9-2024)

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Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this Technical Specification: 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

CEN/TS 1317-9:2023 (E)**Introduction**

In order to improve safety, the design of roads might require the installation of road safety barriers. Provisions are sometimes necessary for sections of barrier that can be temporarily opened whilst maintaining the capacity to contain errant vehicles in the closed configuration.

This document partially replaces the ENV 1317-4:2001 regarding the assessment of performance and test methods for Removable Barrier Sections. In the afore-mentioned document, these Removable Barrier Sections were considered to be special transitions and were assessed as such.

The performance of any required transition elements or assemblies that connect the removable barrier section to a standard road safety barrier may be assessed according to CEN/TR 1317-10.

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