

SLOVENSKI STANDARD

SIST EN 1793-1:2026

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Nadomešča:
SIST EN 1793-1:2017

Protihrupne ovire za cestni promet - Preskusna metoda za ugotavljanje akustičnih lastnosti - 1. del: Bistvene značilnosti - Absorpcija zvoka pri razpršenem zvočnem polju

Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 1: Intrinsic characteristics - Sound absorption under diffuse sound field conditions

Lärmschutzvorrichtungen an Straßen - Prüfverfahren zur Bestimmung der akustischen Eigenschaften - Teil 1: Produktspezifische Merkmale - Schallabsorption unter den Bedingungen eines diffusen Schallfeldes

Dispositifs de réduction du bruit du trafic routier - Méthode d'essai pour la détermination de la performance acoustique - Partie 1 : Caractéristique intrinsèques - Absorption acoustique dans des conditions de champ acoustique diffus

Ta slovenski standard je istoveten z: EN 1793-1:2025

ICS:

17.140.30	Emisija hrupa transportnih sredstev	Noise emitted by means of transport
93.080.30	Cestna oprema in pomožne naprave	Road equipment and installations

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en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1793-1

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ICS 17.140.30; 93.080.30

Supersedes EN 1793-1:2017

English Version

**Road traffic noise reducing devices - Test method for
determining the acoustic performance - Part 1: Intrinsic
characteristics - Sound absorption under diffuse sound
field conditions**

Dispositifs de réduction du bruit du trafic routier -
Méthode d'essai pour la détermination de la
performance acoustique - Partie 1 : Caractéristique
intrinsèques - Absorption acoustique dans des
conditions de champ acoustique diffus

Lärmschutzvorrichtungen an Straßen - Prüfverfahren
zur Bestimmung der akustischen Eigenschaften - Teil
1: Produktspezifische Merkmale - Schallabsorption
unter den Bedingungen eines diffusen Schallfeldes

This European Standard was approved by CEN on 17 November 2025.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 1793-1:2025) 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 June 2026, and conflicting national standards shall be withdrawn at the latest by June 2026.

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 supersedes EN 1793-1:2017.

EN 1793-1:2025 includes the following significant technical changes with respect to EN 1793-1:2017:

- ISO/IEC Guide 98-3 and ISO 12999-2 have been added to the References.
- a clause for terms and definitions has been added (new Clause 3).
- an annex has been added explaining the physical hypotheses under the assumption of a diffuse sound field (Annex A).
- an annex with the values of the standard deviation of reproducibility and repeatability has been added; this makes possible the declaration of the measurement uncertainty and the related confidence level, which is now mandatory (Annex C).
- the detailed example has been improved to include the declaration of the uncertainty (Annex D);
- the Bibliography has been updated.

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The EN 1793 series, under the general title *Road traffic noise reducing devices — Test method for determining the acoustic performance*, consists of the following parts:

- *Part 1: Intrinsic characteristics — Sound absorption under diffuse sound field conditions;*
- *Part 2: Intrinsic characteristics — Airborne sound insulation under diffuse sound field conditions;*
- *Part 3: Normalized traffic noise spectrum;*
- *Part 4: Intrinsic characteristics — Intrinsic sound diffraction;*
- *Part 5: Intrinsic characteristics — Sound absorption under direct sound field conditions;*
- *Part 6: Intrinsic characteristics — Airborne sound insulation under direct sound field conditions.*

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