

SLOVENSKI STANDARD

SIST EN 1793-5:2026

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Nadomešča:

SIST EN 1793-5:2016

SIST EN 1793-5:2016/AC:2018

Protihrupne ovire za cestni promet - Preskusna metoda za ugotavljanje akustičnih lastnosti - 5. del: Bistvene značilnosti - Absorpcija zvoka v pogojih usmerjenega zvočnega polja

Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 5: Intrinsic characteristics - Sound absorption under direct sound field conditions

Lärmschutzvorrichtungen an Straßen - Prüfverfahren zur Bestimmung der akustischen Eigenschaften - Teil 5: Produktspezifische Merkmale - Schallabsorption in gerichteten Schallfeldern

Dispositifs de réduction du bruit du trafic routier - Méthode d'essai pour la détermination de la performance acoustique - Partie 5: Caractéristiques intrinsèques - Absorption acoustique dans des conditions de champ acoustique direct

Ta slovenski standard je istoveten z: EN 1793-5:2025

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
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EN 1793-5

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ICS 17.140.30; 93.080.30

Supersedes EN 1793-5:2016, EN 1793-5:2016/AC:2018

English Version

Road traffic noise reducing devices - Test method for
determining the acoustic performance - Part 5: Intrinsic
characteristics - Sound absorption under direct sound field
conditions

Dispositifs de réduction du bruit du trafic routier -
Méthode d'essai pour la détermination de la
performance acoustique - Partie 5: Caractéristiques
intrinsèques - Absorption acoustique dans des
conditions de champ acoustique direct

Lärmschutzvorrichtungen an Straßen - Prüfverfahren
zur Bestimmung der akustischen Eigenschaften - Teil
5: Produktspezifische Merkmale - Schallabsorption in
gerichteten Schallfeldern

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

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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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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EN 1793-5:2025 (E)

European foreword

This document (EN 1793-5:2025) 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 1793-5:2016.

EN 1793-5:2025 includes the following significant technical changes with respect to EN 1793-5:2016:

- the definitions from 3.1 to 3.8 have been updated to be in accordance with all other parts of the series of standards;
- the single number rating DL_{RI} is now reported with one decimal digit;
- Annex A on the low-frequency limit and the window width has been added;
- one value for the standard deviation of reproducibility and repeatability in each one-third octave frequency band has been retained, in place of three values (min, max and median) as before (see Table B.1);
- Annex C (template of the test report) is now normative;
- the example in C.5 on the declaration of the measurement uncertainty has been updated accordingly.

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.*

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 implement this European Standard: 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.

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