SLOVENSKI STANDARD
SIST EN 1793-6:2026

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SIST EN 1793-6:2018+A1:2021

Protihrupne ovire za cestni promet - Preskusna metoda za ugotavljanje akustičnih lastnosti - 6. del: Bistvene značilnosti - Izoliranost pred zvokom v zraku pri usmerjenem zvočnem polju

Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 6: Intrinsic characteristics - Airborne sound insulation under direct sound field conditions

Lärmschutzvorrichtungen an Straßen - Prüfverfahren zur Bestimmung der akustischen Eigenschaften - Teil 6: Produktspezifische Merkmale - Luftschalldämmung in gerichteten Schallfeldern

Dispositifs de réduction du bruit du trafic routier - Méthode d'essai pour la détermination de la performance acoustique - Partie 6 : Caractéristiques intrinsèques - Isolation au bruit aérien dans des conditions de champ acoustique direct

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Ta slovenski standard je istoveten z: **EN 1793-6:2025**

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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EUROPEAN STANDARD
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EUROPÄISCHE NORM

EN 1793-6

December 2025

ICS 17.140.30; 93.080.30

Supersedes EN 1793-6:2018+A1:2021

English Version

Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 6: Intrinsic characteristics - Airborne sound insulation under direct sound field conditions

Dispositifs de réduction du bruit du trafic routier - Méthode d'essai pour la détermination de la performance acoustique - Partie 6 : Caractéristiques intrinsèques - Isolation au bruit aérien dans des conditions de champ acoustique direct

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

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European foreword

This document (EN 1793-6:2025) 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of an identical text or by endorsement, at the latest by June 2026, and conflicting national standards shall be withdrawn at the latest by June 2026.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 1793-6:2018+A1:2021.

EN 1793-6:2025 includes the following significant technical changes with respect to EN 1793-6:2018+A1:2021:

— 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 measurement technique is based on a nine-microphone grid; the use of a single microphone displaced in nine positions has been abandoned;

— the formula to calculate the global single-number rating $DL_{SI,G}$ used in the previous version of this document has been changed;

— the use of categories of single-number rating is no longer permitted;

— 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 Tables B.1 and B.2);

— the example in C.5 on the declaration of the measurement uncertainty has been updated accordingly.

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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.*

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.

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