

ISO 10819:2013/Amd 1:2019



EN ISO 10819:2013/A1:2019

NBN EN ISO 10819:2013/A1:2019



**Mechanical vibration and shock - Hand-arm vibration -
Measurement and evaluation of the vibration transmissibility of
gloves at the palm of the hand - Amendment 1 (ISO
10819:2013/Amd 1:2019)**

Valid from 26-03-2019

This amendment modifies NBN EN ISO 10819:2013

ICS: 13.160, 13.340.40

EUROPEAN STANDARD

EN ISO 10819:2013/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2019

ICS 13.340.40; 13.160

English Version

**Mechanical vibration and shock - Hand-arm vibration -
Measurement and evaluation of the vibration
transmissibility of gloves at the palm of the hand -
Amendment 1 (ISO 10819:2013/Amd 1:2019)**

Vibrations et chocs mécaniques - Vibrations main-bras
- Mesurage et évaluation du facteur de transmission
des vibrations par les gants à la paume de la main -
Amendement 1 (ISO 10819:2013/Amd 1:2019)

Mechanische Schwingungen und Stöße - Hand-Arm-
Schwingungen - Messung und Bewertung der
Schwingungsübertragung von Handschuhen in der
Handfläche - Änderung 1 (ISO 10819:2013/Amd
1:2019)

This amendment A1 modifies the European Standard EN ISO 10819:2013; it was approved by CEN on 5 August 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 10819:2013/A1:2019 (E)

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European foreword

This document (EN ISO 10819:2013/A1:2019) has been prepared by Technical Committee ISO/TC 108 "Mechanical vibration, shock and condition monitoring" in collaboration with Technical Committee CEN/TC 231 "Mechanical vibration and shock" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by August 2019, and conflicting national standards shall be withdrawn at the latest by August 2019.

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 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 Directive(s).

For the relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 10819:2013/Amd 1:2019 has been approved by CEN as EN ISO 10819:2013/A1:2019 without any modification.

Annex ZA
(informative)
Relationship between this European Standard and the essential health and safety requirements of Regulation (EU) 2016/425 aimed to be covered

This European Standard has been prepared under a Commission's standardization request to provide one voluntary means of conforming to essential health and safety requirements of Regulation (EU) 2016/425 of the European parliament and of the council of 9 March 2016 on personal protective equipment.

Once this standard is cited in the Official Journal of the European Union under that Regulation, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential health and safety requirements of that Regulation, and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Annex II of Regulation (EU) 2016/425

Essential health and safety requirements of Regulation (EU) 2016/425	Clauses of this EN	Remarks/Notes
3.1.3. Mechanical vibration	Clause 9, Clause 10 and Annex B.	None.

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

INTERNATIONAL STANDARD

ISO 10819

Second edition
2013-07-15

AMENDMENT 1
2019-01

Mechanical vibration and shock — Hand-arm vibration — Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand

AMENDMENT 1

*Vibrations et chocs mécaniques — Vibrations main-bras — Mesurage
et évaluation du facteur de transmission des vibrations par les gants à
la paume de la main*

AMENDEMENT 1



Reference number
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 108, *Mechanical vibration, shock and condition monitoring*, Subcommittee SC 4, *Human exposure to mechanical vibration and shock*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Mechanical vibration and shock — Hand-arm vibration — Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand

AMENDMENT 1

Clause 2

Replace the last two normative references listed with the following:

EN 388:2016, *Protective gloves against mechanical risks*

EN 420+A1:2009, *Protective gloves — General requirements and test methods*

6.1.1

Replace the text with the following:

Five adults with hand sizes between 7 and 10, as specified by EN 420+A1, shall serve as test subjects. The test subjects shall use their dominant hand for the glove vibration transmissibility tests.

6.1.3

Replace list item f) with the following:

f) Fitting of gloves — the size of the gloves shall be chosen according to EN 420+A1.

6.3.2

Replace Table 1 with the following table: