ICS 97.220.40 SLOVENSKÁ TECHNICKÁ NORMA September 2024

STN	**Horolezecké vybavenie Tlmiče nárazu používané na zaistených cestách (via ferrata) Bezpečnostné požiadavky a skúšobné metódy**	**STN EN 958 94 2008**

Mountaineering equipment - Energy absorbing systems for use in klettersteig (via ferrata) climbing - Safety requirements and test methods

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/24

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EUROPEAN STANDARD
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EN 958

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ICS 97.220.40 Supersedes EN 958:2017

English Version

Mountaineering equipment - Energy absorbing systems for use in klettersteig (via ferrata) climbing - Safety requirements and test methods

Équipement d'alpinisme et d'escalade - Systèmes absorbeurs d'énergie utilisés en via ferrata - Exigences de sécurité et méthodes d'essai

Bergsteigerausrüstung - Fangstoßdämpfer für die Verwendung auf Klettersteigen (Via Ferrata) - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 19 May 2024.

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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.

CEN members are the national standards bodies of 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 United Kingdom.

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

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European foreword

This document (EN 958:2024) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment”, 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 December 2024, and conflicting national standards shall be withdrawn at the latest by December 2024.

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 958:2017.

EN 958:2024 includes the following significant technical changes with respect to EN 958:2017:

a) in the scope, energy absorbing systems (EAS) according to this document have been limited to users weighing not less than 40 kg (total weight without equipment) and no more than 120 kg (total weight including the equipment) and the use is limited on via ferrata according to EN 16869:2017;

b) modification of the maximum impact force in 4.2.3 a);

c) modification of the mass in 4.2.3 b);

d) modification of the test apparatus and the test method for the dynamic performance;

e) the manufacturer’s instructions and information take into account the previous modifications, the EAS disinfection and the progression in a rope party is also recommended for children.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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.

1 Scope

This document specifies safety requirements and test methods for energy absorbing systems (EAS) for use on suitable via ferrata (e.g. EN 16869:2017), for users weighing not less than 40 kg (total weight without equipment) and no more than 120 kg (total weight including the equipment).

NOTE This document is one of a package of standards for mountaineering equipment, see Annex A.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 565:2017, *Mountaineering equipment — Tape — Safety requirements and test methods*

EN 892:2012+A3:2023, *Mountaineering equipment — Dynamic mountaineering ropes — Safety requirements and test methods*

EN 1891:1998, *Personal protective equipment for the prevention of falls from a height — Low stretch kernmantel ropes*

EN 12275:2013, *Mountaineering equipment — Connectors — Safety requirements and test methods*

EN ISO 2307:2019, *Fibre ropes — Determination of certain physical and mechanical properties (ISO 2307:2019)*

ISO 6487:2015[1], *Road vehicles — Measurement techniques in impact tests — Instrumentation*

ISO 7000:2019, *Graphical symbols for use on equipment — Registered symbols*