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Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles - Part 2: Mechanical properties

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

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English Version

**Aluminium and aluminium alloys - Extruded rod/bar, tube
and profiles - Part 2: Mechanical properties**

Aluminium et alliages d'aluminium - Barres, tubes et
profilés filés - Partie 2 : Caractéristiques mécaniques

Aluminium und Aluminiumlegierungen -
Stranggepresste Stangen, Rohre und Profile - Teil 2:
Mechanische Eigenschaften

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

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European foreword

This document (EN 755-2:2025) has been prepared by Technical Committee CEN/TC 132 “Aluminium and aluminium alloys”, 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of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.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 755-2:2016.

Within its programme of work, Technical Committee CEN/TC 132 entrusted CEN/TC 132/WG 5 “Extruded and drawn products” to revise EN 755-2:2016.

EN 755-2:2025 includes the following significant technical changes with respect to EN 755-2:2016:

- addition of EN AW-2033, EN AW-2077, EN AW-4032, EN AW-6050 and EN AW-6061A alloys;
- addition of the terms required by the latest CCMC template;
- addition of Clause 3 compulsory from the latest CCMC template;
- deletion of former Clause 3.3 as part of the table of contents in this document;
- correction to temper of EN AW-2024 alloy.

EN 755 comprises the following parts under the general title “*Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles*”:

- *Part 1: Technical conditions for inspection and delivery*
- *Part 2: Mechanical properties*
- *Part 3: Round bars, tolerances on dimensions and form*
- *Part 4: Square bars, tolerances on dimensions and form*
- *Part 5: Rectangular bars, tolerances on dimensions and form*
- *Part 6: Hexagonal bars, tolerances on dimensions and form*
- *Part 7: Seamless tubes, tolerances on dimensions and form*
- *Part 8: Porthole tubes, tolerances on dimensions and form*
- *Part 9: Profiles, tolerances on dimensions and form*

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1 Scope

This document specifies the mechanical property limits resulting from tensile testing applicable to aluminium and aluminium alloy extruded rod/bar, tube and profile.

Technical conditions for inspection and delivery, including product and testing requirements, are specified in EN 755-1. Temper designations are defined in EN 515. The chemical composition limits for these materials are given in EN 573-3.

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 755-1, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 1: Technical conditions for inspection and delivery*

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