
**Aluminij in aluminijeve zlitine - Iztiskane palice/drogovi, cevi in profili - 2. del:
Mehanske lastnosti**

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

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

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

Ta slovenski standard je istoveten z: EN 755-2:2025

[SIST EN 755-2:2025](#)

<https://standards.sist.eu/catalog/standards/sist/c7d68c87-81ed-4566-a032-338c7a4b1a60/sist-en-755-2-2025>

ICS:

77.150.10 Alumijski izdelki Aluminium products

SIST EN 755-2:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 755-2

July 2025

ICS 77.150.10

Supersedes EN 755-2:2016

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

This European Standard was approved by CEN on 26 August 2024.

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.

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.

SIST EN 755-2:2025

<https://standards.iteh.ai/catalog/standards/sist/c9d68ce4-8fed-4300-a052-358c7ddb4ac0/sist-en-755-2-2025>



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

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

Contents

Page

European foreword.....	5
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Mechanical property limits	7
4.1 General.....	7
4.2 Elongation.....	7
4.3 Tables of mechanical properties	8
Table 1 — Aluminium EN AW-1050A [Al 99,5(A)].....	8
Table 2 — Aluminium EN AW-1070A [Al 99,7(A)].....	9
Table 3 — Aluminium EN AW-1200 [Al 99,0].....	9
Table 4 — Aluminium EN AW-1350 [Al 99,5].....	10
Table 5 — Alloy EN AW-2007 [Al Cu4PbMgMn].....	11
Table 6 — Alloy EN AW-2011 [Al Cu6BiPb].....	12
Table 7 — Alloy EN AW-2011A [Al Cu6BiPb(A)]	12
Table 8 — Alloy EN AW-2014 [Al Cu4SiMg]	13
Table 9 — Alloy EN AW-2014A [Al Cu4SiMg(A)]	14
Table 10 — Alloy EN AW-2017A [Al Cu4MgSi(A)].....	15
Table 11 — Alloy EN AW-2618A [Al Cu2Mg1.5Ni(A)].....	16
Table 12 — Alloy EN AW-2024 [Al Cu4Mg1]	17
Table 13 — Alloy EN AW-2030 [Al Cu4PbMg]	18
Table 14 — Alloy EN AW-2033 [Al Cu2,5MnSiMgBi]	19
Table 15 — Alloy EN AW-2077 [Al Cu4,5MgMnSiBi]	20
Table 16 — Alloy EN AW-3102 [Al Mn0,2].....	21
Table 17 — Alloy EN AW-3003 [Al Mn1Cu]	22
Table 18 — Alloy EN AW-3103 [Al Mn1]	23
Table 19— Alloy EN AW-4032 [Al Si12,5MgCuNi]	23
Table 20 — Alloy EN AW-5005 [Al Mg1].....	24
Table 21 — Alloy EN AW-5005A [Al Mg1(A)]	25
Table 22 — Alloy EN AW-5019 [Al Mg5].....	26
Table 23 — Alloy EN AW-5049 [Al Mg2Mn0,8]	27
Table 24 — Alloy EN AW-5051A [Al Mg2(A)]	28
Table 25 — Alloy EN AW-5251 [Al Mg2Mn0,3]	29

Table 26 — Alloy EN AW-5052 [Al Mg _{2,5}]	30
Table 27 — Alloy EN AW-5154A [Al Mg _{3,5} (A)]	31
Table 28 — Alloy EN AW-5454 [Al Mg ₃ Mn]	32
Table 29 — Alloy EN AW-5754 [Al Mg ₃]	33
Table 30 — Alloy EN AW-5083 [Al Mg _{4,5} Mn _{0,7}]	34
Table 31 — Alloy EN AW-5086 [Al Mg ₄]	35
Table 32 — Alloy EN AW-6101A [Al MgSi(A)]	36
Table 33 — Alloy EN AW-6101B [Al MgSi(B)]	37
Table 34 — Alloy EN AW-6005 [Al SiMg]	38
Table 35 — Alloy EN AW-6005A [Al SiMg(A)]	39
Table 36 — Alloy EN AW-6106 [Al MgSiMn]	40
Table 37 — Alloy EN AW-6008 [Al SiMgV]	41
Table 38 — Alloy EN AW-6110A [Al Mg _{0,9} Si _{0,9} MnCu(A)]	42
Table 39 — Alloy EN AW-6012 [Al MgSiPb]	43
Table 40 — Alloy EN AW-6014 [Al Mg _{0,6} SiV]	44
Table 41 — Alloy EN AW-6018 [Al Mg ₁ SiPbMn]	45
Table 42 — Alloy EN AW-6023 [AlSi ₁ Sn ₁ MgBi]	46
Table 43 — Alloy EN AW-6026 [Al MgSiBi]	46
Table 44 — Alloy EN AW-6050 [Al Si _{1,5} FeMgNi]	47
Table 45 — Alloy EN AW-6351 [Al Si ₁ Mg _{0,5} Mn]	47
Table 46 — Alloy EN AW-6056 [AlSi ₁ MgCuMn]	49
Table 47 — Alloy EN AW-6060 [Al MgSi]	50
Table 48 — Alloy EN AW-6360 [Al SiMgMn]	51
Table 49 — Alloy EN AW-6061 [Al Mg ₁ SiCu]	52
Table 50 — Alloy EN AW-6061A [Al Mg ₁ SiCu(A)]	53
Table 51 — Alloy EN AW-6261 [Al Mg ₁ SiCuMn]	53
Table 52 — Alloy EN AW-6262 [Al Mg ₁ SiPb]	54
Table 53 — Alloy EN AW-6262A [Al Mg ₁ SiSn]	55
Table 54 — Alloy EN AW-6063 [Al Mg _{0,7} Si]	55
Table 55 — Alloy EN AW-6063A [Al Mg _{0,7} Si(A)]	57
Table 56 — Alloy EN AW-6463 [Al Mg _{0,7} Si(B)]	58
Table 57 — Alloy EN AW-6064A [Al Mg ₁ SiBi(A)]	59
Table 58 — Alloy EN AW-6065 [Al Mg ₁ Bi ₁ Si]	60
Table 59 — Alloy EN AW-6081 [Al Si _{0,9} MgMn]	61
Table 60 — Alloy EN AW-6082 [Al Si ₁ MgMn]	62
Table 61 — Alloy EN AW-6182 [Al Si ₁ MgZr]	63

EN 755-2:2025 (E)

Table 62 — Alloy EN AW-7003 [Al Zn6Mg0,8Zr]	64
Table 63 — Alloy EN AW-7005 [Al Zn4,5Mg1,5Mn]	65
Table 64 — Alloy EN AW-7108 [Al Zn5Mg1Zr]	66
Table 65 — Alloy EN AW-7108A [Al Zn5Mg1Zr(A)]	67
Table 66 — Alloy EN AW-7020 [Al Zn4,5Mg1]	68
Table 67 — Alloy EN AW-7021 [Al Zn5,5Mg1,5].....	69
Table 68 — Alloy EN AW-7022 [Al Zn5Mg3Cu]	70
Table 69 — Alloy EN AW-7049A [Al Zn8MgCu(A)]	71
Table 70 — EN AW-7075 [Al Zn5,5MgCu]	72
Annex A (informative) List of tempers used in Tables 1 to 70 (extract of EN 515)	73
Bibliography.....	75

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 755-2:2025](https://standards.iteh.ai/catalog/standards/sist/c9d68ce4-8fed-4300-a052-358c7ddb4ac0/sist-en-755-2-2025)

<https://standards.iteh.ai/catalog/standards/sist/c9d68ce4-8fed-4300-a052-358c7ddb4ac0/sist-en-755-2-2025>

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*

CEN/TC 132 affirms its policy that if a patentee refuses to grant licenses on standardized products under reasonable and not discriminatory conditions, this product will be removed from the corresponding 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,