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

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

Táto norma bola označená vo Vestníku ÚNMS SR č. 11/16

Obsahuje: EN 755-1:2016

Oznámením tejto normy sa ruší  
STN EN 755-1 (42 7511) zo septembra 2008

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy  
rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 755-1**

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Supersedes EN 755-1:2008

English Version

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

Aluminium et alliages d'aluminium - Barres, tubes et  
profilés filés - Partie 1 : Conditions techniques de  
contrôle et de livraison

Aluminium und Aluminiumlegierungen -  
Stranggepresste Stangen, Rohre und Profile - Teil 1:  
Technische Lieferbedingungen

This European Standard was approved by CEN on 11 April 2016.

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.

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

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	Page
<b>Contents</b>	
<b>European foreword</b>	<b>4</b>
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Ordering information	6
5 Requirements	8
5.1 Production and manufacturing processes	8
5.2 Quality control	8
5.3 Chemical composition limits	8
5.4 Mechanical properties	8
5.5 Freedom from surface defects	9
5.6 Tolerances on dimensions and form	9
5.7 Stress corrosion cracking resistance	9
5.8 Additional requirements	9
6 Test procedures	9
6.1 Sampling	9
6.1.1 Samples for chemical analysis	9
6.1.2 Specimens for mechanical testing	10
6.1.3 Test pieces for tensile test	11
6.2 Test methods	11
6.2.1 Chemical composition limits	11
6.2.2 Tensile testing	11
6.2.3 Brinell hardness testing	11
6.2.4 Measurement of dimensions	11
6.2.5 Surface finish	12
6.2.6 Resistance to stress corrosion cracking	12
6.2.7 Additional tests	12
6.3 Re-tests	12
6.3.1 Chemical composition limits	12
6.3.2 Mechanical properties	12
6.3.3 Other properties	13
7 Inspection documents	13
8 Marking of products	13
9 Packaging	13
10 Arbitration	13
Annex A (normative) Location of test pieces	14
A.1 Round, square and hexagonal bar	14
A.1.1 For diameter ( $D$ ) or width across flats ( $S$ ) up to and including 40 mm	14
A.1.2 For diameter ( $D$ ) or width across flats ( $S$ ) over 40 mm	14
A.2 Rectangular bar	15
A.2.1 For thickness up to and including 12,5 mm	15

A.2.2 For thickness ( $T$ ) over 12,5 mm and up to and including 40 mm .....	15
A.2.3 For thickness ( $T$ ) exceeding 40 mm.....	15
A.3 Tube.....	16
A.4 Profiles.....	16
A.4.1 For thickness up to and including 12,5 mm .....	16
A.4.2 For thickness over 12,5 mm and up to and including 40 mm.....	16
A.4.3 For thickness exceeding 40 mm .....	17
<b>Annex B (normative) Resistance to stress-corrosion cracking for alloy EN AW-7075 in temper T73, T73510 and T73511 - Electrical conductivity.....</b>	<b>18</b>
<b>Bibliography .....</b>	<b>19</b>

## European foreword

This document (EN 755-1:2016) 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 December 2016, and conflicting national standards shall be withdrawn at the latest by December 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 755-1:2008.

The following technical modifications have been introduced during the revision:

- Clause 4, Ordering information,
- Subclause 5.5, Freedom from surface defects,
- Subclause 6.3.2, Mechanical properties.

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.*

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard specifies the technical conditions for inspection and delivery of wrought aluminium and aluminium alloy extruded rod/bar, tube and profile for general engineering applications.

This European Standard does not apply to:

- forging stock (EN 603 (all parts)),
- extruded precision profiles in alloys EN AW-6060 and EN AW-6063 (EN 12020 (all parts)),
- products delivered in coils (EN 13957),
- coiled tubes cut to length (EN 13957).

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 515, *Aluminium and aluminium alloys — Wrought products — Temper designations*

EN 573-3, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition and form of products*

EN 755-2, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 2: Mechanical properties*

EN 755-3, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 3: Round bars, tolerances on dimensions and form*

EN 755-4, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 4: Square bars, tolerances on dimensions and form*

EN 755-5, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 5: Rectangular bars, tolerances on dimensions and form*

EN 755-6, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 6: Hexagonal bars, tolerances on dimensions and form*

EN 755-7, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 7: Seamless tubes, tolerances on dimensions and form*

EN 755-8, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 8: Porthole tubes, tolerances on dimensions and form*

EN 755-9, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 9: Profiles, tolerances on dimensions and form*

EN 2004-1, *Aerospace series — Test methods for aluminium and aluminium alloy products — Part 1: Determination of electrical conductivity of wrought aluminium alloys*

EN 10204, *Metallic products — Types of inspection documents*

EN 12258-1:2012, *Aluminium and aluminium alloys — Terms and definitions — Part 1: General terms*

EN 14242, *Aluminium and aluminium alloys — Chemical analysis — Inductively coupled plasma optical emission spectral analysis*

EN 14361, *Aluminium and aluminium alloys — Chemical analysis — Sampling from metal melts*

EN ISO 6506-1, *Metallic materials — Brinell hardness test — Part 1: Test method (ISO 6506-1)*

EN ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature (ISO 6892-1)*

ISO 9591, *Corrosion of aluminium alloys — Determination of resistance to stress corrosion cracking*

ASTM G47, *Standard Test Method for Determining Susceptibility to Stress-Corrosion Cracking of 2XXX and 7XXX Aluminum Alloy Products*

**koniec náhľadu – text d'alej pokračuje v platenej verzii STN**