

Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles —

Part 9: Profiles, tolerances on dimensions and form

The European Standard EN 755-9:2001 has the status of a
British Standard

ICS 77.150.10

National foreword

This British Standard is the official English language version of EN 755-9:2001. Together with the standards listed in the following table, it supersedes BS 1474:1987, BS 4300-4:1973, BS 4300-12:1969 and BS 4300-15:1973 which are withdrawn

- This part of BS EN 755 is published together with:
- BS EN 12020-1, *Aluminium and aluminium alloys — Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 — Part 1: Technical conditions for inspection and delivery*;
 - BS EN 12020-2, *Aluminium and aluminium alloys — Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 — Part 2: Tolerances on dimensions and form*.

The following table gives the full list of implemented European Standards which supersede the British Standards

Superseded British Standards	Superseding European Standards
BS 1474:1987:	BS EN 515:1993, BS EN 573-3:1995, BS EN 573-4:1995, BS EN 755-1:1997, BS EN 755-2:1997, BS EN 755-3:1996, BS EN 755-4:1996, BS EN 755-5:1996, BS EN 755-6:1996, BS EN 755-7:1998, BS EN 755-8:1998, BS EN 755-9:2001, BS EN 12020-1:2001, BS EN 12020-2:2001
BS 4300-4:1973:	BS EN 515:1993, BS EN 573-3:1995, BS EN 573-4:1995, BS EN 755-1:1997, BS EN 755-2:1997, BS EN 755-3:1996, BS EN 755-4:1996, BS EN 755-5:1996, BS EN 755-6:1996, BS EN 755-9:2001
BS 4300-12:1969:	BS EN 515:1993, BS EN 573-3:1995, BS EN 573-4:1995, BS EN 755-1:1997, BS EN 755-2:1997, BS EN 755-3:1996, BS EN 755-4:1996, BS EN 755-5:1996, BS EN 755-6:1996, BS EN 755-7:1998, BS EN 755-8:1998, BS EN 755-9:2001
BS 4300-15:1973:	BS EN 515:1993, BS EN 573-3:1995, BS EN 573-4:1995, BS EN 755-1:1997, BS EN 755-2:1997, BS EN 755-3:1996, BS EN 755-4:1996, BS EN 755-5:1996, BS EN 755-6:1996, BS EN 755-7:1998, BS EN 755-8:1998, BS EN 755-9:2001

This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 June 2001

Amendments issued since publication

Amd. No.	Date	Comments
13301 Corrigendum No. 1	July 2001	Correction of supersession details in national foreword

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The UK participation in its preparation was entrusted by Technical Committee NFE/35, Light metals and their alloys, to Subcommittee NFE/35/5, Wrought aluminium and aluminium alloys, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 18, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

English version

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

Aluminium et alliages d'aluminium - Barres, tubes et profilés filés - Partie 9: Profilés, tolérances sur dimension et forme

Aluminium und Aluminiumlegierungen - Stranggepresste Stangen, Rohre und Profile - Teil 9: Profile, Grenzabmaße und Formtoleranzen

This European Standard was approved by CEN on 18 February 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard 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 October 2001, and conflicting national standards shall be withdrawn at the latest by October 2001.

Within its programme of work, Technical Committee CEN/TC 132 entrusted CEN/TC 132/WG 5 "Extruded and drawn products" to prepare the following standard :

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

This standard is part of a set of nine standards. The other standards deal with :

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

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.*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This part of EN 755 specifies the tolerances on dimensions and form for aluminium and aluminium alloy extruded profile with a cross section contained within a circumscribing circle not greater than 800 mm (see Figure 1).

This standard applies to extruded profiles for general engineering applications only.

The tolerances in this standard only apply to those dimensions that can be physically measured.

NOTE Some of the products listed in the present standard can be subject to patent or patent applications, and their listing herein does not in any way imply the granting of a licence under such patent right.

CEN/TC 132 affirms it is its policy that in the case when a patentee refuses to grant licences on standardised standard products under reasonable and not discriminatory conditions, then this product shall be removed from the corresponding standard.

Dimensions in millimetres

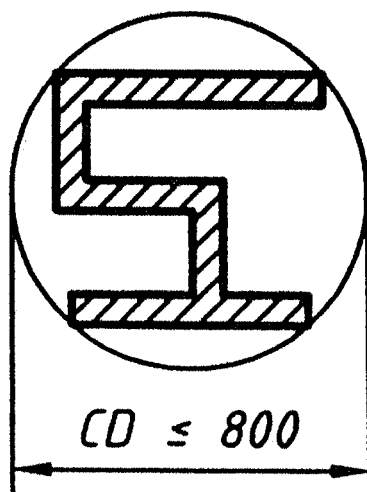


Figure 1 — Circumscribing circle

2 Alloy groups

For the purpose of this European Standard, the alloys are distributed into two groups which correspond to varying degrees of difficulty when manufacturing the products.

The division into group I and group II of the most commonly used general engineering alloys is specified in table 1. Grouping of other alloys is subject to agreement between purchaser and supplier.