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[SIST EN 2076-2:2001](https://standards.iteh.ai/catalog/standards/sist/74aae1fb-a18c-4ff8-8281-87918be3921e/sist-en-2076-2-2001)

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 2076**

Part 2

November 1989

UDC : 669.715-4 : 669.721.5-4 : 620.1 : 621.745.5 : 629.7

Key words : Aircraft industry, castings, ingots, aluminium alloys, magnesium alloys, specifications, defects, marking

English version

**Aerospace series  
Aluminium and magnesium alloy  
ingots and castings  
Technical specification  
Part 2 : Ingots for remelting**

**Série aéronautique  
Lingots et pièces moulées  
en alliages d'aluminium et de magnésium  
Spécification technique  
Partie 2 : Lingots pour refusion**

**Luft- und Raumfahrt  
Blöcke und Gußstücke aus  
Aluminium- und Magnesiumlegierungen  
Technische Lieferbedingungen  
Teil 2 : Blöcke zum Umschmelzen**

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This European Standard was accepted by CEN on 1988-07-20. CEN members are bound to comply with the requirements of CEN 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 Central Secretariat 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 CEN Central Secretariat has the same status as the official versions.

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**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat : Rue Bréderode 2, B—1000 Bruxelles



## 1 Scope and field of application

This standard specifies the particular requirements for ingots in aluminium or magnesium alloys intended for the manufacture of castings.

This standard shall be used in conjunction with EN 2076-1.

## 2 References

EN 2076-1, Aerospace series - Aluminium and magnesium alloy ingots and castings - Technical specification - Part 1 - General requirements.

## 3 Dimensions and tolerances

The form, mass, dimensions and tolerances of ingots shall be defined by agreement between the manufacturer and the purchaser.

The frequency of examination adopted by the manufacturer shall be sufficient to permit him to certify compliance with the requirements.

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## 4 Internal defects

The ingots shall not contain defects prejudicial to their intended use.

Unless otherwise agreed between the manufacturer and the purchaser and specified on the order or in the inspection schedule, test methods and acceptance criteria shall be at the option of the manufacturer.

The frequency of examination adopted by the manufacturer shall be sufficient to permit him to certify compliance with the requirements.

## 5 External defects

Ingots shall be visually examined and shall be free from corrosion, salt or slag inclusions, grease or any other foreign matter including paint, other than that approved for marking.

The frequency of examination adopted by the manufacturer shall be sufficient to permit him to certify compliance with the requirements.

## 6 Chemical analysis

See EN 2076-1.

## 7 Marking

7.1 Unless otherwise specified on the order, all products shall bear the following identification marking :  
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- Material standard, [SIST EN 2076-2:2001](https://standards.itech.ai/catalog/standards/sist/74aae1fb-a18c-4ff8-8281-87918be3921e/sist-en-2076-2-2001)
- Cast number, <https://standards.itech.ai/catalog/standards/sist/74aae1fb-a18c-4ff8-8281-87918be3921e/sist-en-2076-2-2001>
- Identification of the manufacturer and the plant,
- Such other marking as will ensure full identification.

7.2 Unless otherwise specified on the order, the method of marking shall be at the option of the manufacturer provided the marking is permanent.

7.3 The frequency of examination adopted by the manufacturer shall be sufficient to permit him to certify compliance with the requirements.