

# Magnetic materials — Specification for steel sheet and strip with specified mechanical properties and magnetic permeability

The European Standard EN 10265:1995 has the status of a  
British Standard

ICS 29.040.10; 77.140.50

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# Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ISE/NFE/5, Magnetic alloys and steels, upon which the following bodies were represented:

- Association of Manufacturers Allied to the Electrical and Electronic Industry (BEAMA Ltd.)
- British Steel Industry
- Department of Trade and Industry (National Physical Laboratory)
- Electricity Supply Industry in England and Wales
- GAMBICA (BEAMA Ltd.)
- Institute of Physics
- Rotating Electrical Machines Association (BEAMA Ltd.)
- Sunderland Polytechnic (Magnet Centre)
- Transmission and Distribution Association (BEAMA Ltd.)
- Wolfson Centre for Magnetism Technology
- Co-opted members

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 June 1996

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# National foreword

This British Standard has been prepared by Technical Committee ISE/NFE/5 and is the English language version of EN 10265 *Magnetic materials — Specification for steel sheet and strip with specified mechanical properties and magnetic permeability*, published by the European Committee for Standardization (CEN).

This British Standard replaces BS 6404-8.5:1990, which is withdrawn.

**Cross-references**

| Publication referred to | Corresponding British Standard                                                                                        |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                         | BS 4727 <i>Glossary of electrotechnical, power, telecommunications, electronics, lighting and colour terms</i>        |
| IEC 50 (121):1978       | Part 1: Group 1:1983 <i>Fundamental terminology</i>                                                                   |
| IEC 50 (221):1990       | Part 1: Group 7:1991 <i>Magnetic materials and components</i><br>BS 6404 <i>Magnetic materials</i>                    |
| IEC 404-1:1979          | Part 1:1984 <i>Classification</i>                                                                                     |
| IEC 404-2:1978          | Part 2:1985 <i>Methods of measurement of magnetic, electrical and physical properties of magnetic sheet and strip</i> |
| IEC 404-4:1982          | Part 4:1986 <i>Methods of measurement of the d.c. magnetic properties of solid steels</i>                             |
| EN 10002-1:1990         | BS EN 10002 <i>Tensile testing of metallic materials</i><br>Part 1:1990 <i>Method of test at ambient temperature</i>  |
| EN 10021:1993           | BS EN 10021:1993 <i>General technical delivery requirements for steel and iron products</i>                           |
| EN 10027-2:1991         | BS EN 10027 <i>Designation systems for steels</i><br>Part 2:1992 <i>Steel numbers</i>                                 |

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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 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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English version

## Magnetic materials — Specification for steel sheet and strip with specified mechanical properties and magnetic permeability

Matériaux magnétiques — Spécification des tôles en acier à caractéristiques mécaniques et perméabilité magnétique garanties

Magnetische Werkstoffe — Anforderungen an Blech und Band aus Stahl mit festgelegten mechanischen und magnetischen Eigenschaften

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# CEN

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

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

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## Foreword

This European Standard has been prepared by the Technical Committee ECISS/TC 24, Electrical steel sheet and strip qualities — Qualities, dimensions, tolerances and specific tests, of which the secretariat 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 June 1996, and conflicting national standards shall be withdrawn at the latest by June 1996.

IEC Publication 404-8-5 was submitted to the primary questionnaire (PQ) procedure in CEN and CENELEC.

This European Standard is technically in accordance with IEC 404-8-5 with some editorial amendments.

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

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