

Magnetic tape sound recording and reproducing systems —

Part 4: Mechanical magnetic tape properties

The European Standard EN 60094-4:1994 has the status of a
British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Electronic Equipment Standards Committee (EEL/-) to Technical Committee EEL/22, upon which the following bodies were represented:

- Association of Sound and Communications Engineers Ltd.
- British Broadcasting Corporation
- British Kinematograph, Sound and Television Society
- Council for Educational Technology for the United Kingdom
- Electronic Engineering Association
- Independent Television Companies' Association
- Training and Educational Systems Testing Bureau

This British Standard, having been prepared under the direction of the Electronic Equipment Standards Committee was published under the authority of the Board of BSI and comes into effect on 23 December 1987

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Amendments issued since publication

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National foreword

This British Standard has been prepared by Technical Committee EPL/60 and is the English language version of EN 60094-4:1994 *Magnetic tape sound recording and reproducing systems — Part 4: Mechanical magnetic tape properties*, together with its amendment A1: August 1994, published by the European Committee for Electrotechnical Standardization (CENELEC), and supersedes Harmonization Document HD 311.4 S1:1988. It is identical with IEC 94-4:1986 and its Amendment 1: July 1994, published by the International Electrotechnical Commission (IEC). The cross-reference of this standard as Part 1 of the BS 6288 series has been retained for ease of reference to other Parts of the series.

BS 6288 consists currently of the following Parts:

- *Part 1 (BS EN 60094-1): Specification for general conditions and requirements;*
- *Part 2 (BS EN 60094-2): Specification for calibration tapes;*
- *Part 3: Methods of measuring the characteristics of recording and reproducing equipment for sound on magnetic tape;*
- *Part 4 (BS EN 60094-4): Methods for measuring the mechanical characteristics of magnetic tape for analogue recording;*
- *Part 5 (BS EN 60094-5): Specification for electrical magnetic tape properties;*
- *Part 6: Specification for reel-to-reel systems;*
- *Part 7 (BS EN 60094-7): Specification for cassettes for commercial tape records and domestic use;*
- *Part 8: Specification for eight-track magnetic tape cartridge for commercial tape records and domestic use;*
- *Part 9: Specification for magnetic tape cartridge for professional use;*
- *Part 10: Specification for time and address codes;*
- *Part 11: Guide to an address code for compact cassettes.*

In 4.1 the words “IEC publication” should be read as “BS EN”.

Cross-references

International Standard	Corresponding British Standard
IEC 94-1:1981	BS EN 60094 <i>Magnetic tape sound recording and reproducing systems</i> BS EN 60094-1:1994 <i>Specification for general conditions and requirements</i> BS 2782 <i>Methods of testing plastics</i> Part 3 <i>Mechanical properties</i>
ISO 527-1:1993 ^a	Method 321:1994 <i>Determination of tensile properties. General principles</i>
ISO 527-2:1993 ^a	Method 322:1994 <i>Determination of tensile properties, test conditions for moulding and extrusion plastics</i>
ISO 4057:1986	BS ISO 4057:1986 <i>Information processing. Data interchange on 6,30 mm (0.25 in) magnetic tape cartridge, 63 b/mm (1 600 bpi) phase-encoded</i>

^a ISO R527 has been published as ISO 527-1:1993 and ISO 527-2:1993.

IEC 94-1:1981 has been harmonized as EN 60094-1:1993 and is implemented as BS EN 60094-1, but has also retained its identity as BS 6288-1:1994 for the present.

Additional information. It is recommended that in 5.1 the five measurements are taken at approximately 2 m intervals along the tape.

It is recommended that the flat surface referred to in 5.3 is manufactured from non-magnetic material.

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.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 14, 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.

English version

Magnetic tape sound recording and reproducing systems Part 4: Mechanical magnetic tape properties

(includes amendment A1:1994)
(IEC 94-4:1986)

Systèmes d'enregistrement et de lecture du son
sur bandes magnétiques Quatrième partie:
Propriétés mécaniques des bandes magnétiques
(inclut l'amendement A1:1994)
(CEI 94-4:1986)

Systeme für Tonaufzeichnung und -wiedergabe
auf Magnetband Teil 4: Mechanische
Eigenschaften von Magnetbändern
(enthält Änderungen A1:1994)
(IEC 94-4:1986)

This European Standard was approved by CENELEC on 1993-12-08. CENELEC 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 Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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