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EUROPEAN STANDARD

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UDC 681.327.64

Descriptors: Data processing, information interchange, magnetic tapes, cassettes for magnetic tapes, testing conditions, storage, performance evaluation, dimensions, catches, positioning, locking devices, interchangeability

English version

**Information processing - Self-loading cartridges for
12,7 mm (0.5 in) wide magnetic tape
(ISO 6098:1984)**

iTech STANDARD PREVIEW

Traitement de l'information - Cartouches à
chargement automatique pour bande magnétique de
12,7 mm (0,5 in) de large (ISO 6098:1984)

Informationsverarbeitung - Selbstladeringe für
Spulen mit Magnetband 12,7 mm (0.5 in) zur
Speicherung digitaler Daten (ISO 6098:1984)

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REPUBLIKA SLOVENIJA
MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO
Urad RS za standardizacijo in meroslovje
LJUBLJANA

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PREVZET PO METODI RAZGLASITVE

-12- 1997

This European Standard was approved by CEN on 1993-08-13. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

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

CEN

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

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

Foreword

On the proposal of the CEN Central Secretariat, the Technical Board has decided to submit the International Standard:

"Information processing - Self-loading cartridges for 12,7 mm (0.5 in) wide magnetic tape (ISO 6098:1984)"

to the formal vote.

The result of the formal vote was positive.

For the time being, this document exists only in English and in French.

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 February 1994, and conflicting national standards shall be withdrawn at the latest by February 1994.

In accordance with 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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Endorsement notice

The text of the International Standard ISO 6098:1984 was approved by CEN as a European Standard without any modification.



International Standard



6098

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Information processing — Self-loading cartridges for 12,7 mm (0.5 in) wide magnetic tape

Traitement de l'information — Cartouches à chargement automatique pour bande magnétique de 12,7 mm (0,5 in) de large

Second edition — 1984-12-15

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Ref. No. ISO 6098-1984 (E)

Descriptors : data processing, information interchange, data storage devices, magnetic tapes, cassettes for magnetic tapes, dimensions, characteristics, mechanical properties.

Price based on 11 pages

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6098 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

ISO 6098 was first published in 1982. This second edition cancels and replaces the first edition; sub-clause 5.1 of the previous edition having been technically revised.

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Information processing — Self-loading cartridges for 12,7 mm (0.5 in) wide magnetic tape

1 Scope and field of application

This International Standard specifies mechanical and functional interchangeability requirements for self-loading cartridges, to be used with reels of 12,7 mm (0.5 in) wide magnetic tape specified in ISO 1864.

Minimum dimensional and functional requirements of the cartridge are given, in order to ensure interchangeability of cartridges between tape drives designed for self-loading operation. Some dimensions and features, other than those strictly required for interchangeability, are also given but have to be considered as recommended or optional.

NOTE — The numeric values in the SI and Imperial measurement systems in this International Standard may have been rounded and, therefore, are consistent with, but not exactly equal to, each other. Either system may be used but the two should be neither intermixed nor reconverted. The original design was completed using the Imperial measurement system.

2 Reference

ISO 1864, *Information processing — Unrecorded 12,7 mm (0.5 in) wide magnetic tape for information interchange — 32 ftpmm (800 ftpi) NRZ1, 126 ftpmm (3 200 ftpi) phase encoded and 356 ftpmm (9 042 ftpi), NRZ1.*

3 Environment

3.1 Testing environment

Tests and measurements made to check the requirements of this International Standard shall be carried out under following conditions :

temperature : 23 ± 2 °C (73 ± 5 °F)

relative humidity : 40 to 60 %

conditioning time before testing : 24 h

3.2 Operating environment

temperature : 16 to 32 °C (60 to 90 °F)

relative humidity : 20 to 80 %

wet bulb temperature : not greater than 25 °C (78 °F)

3.3 Storage environment

3.3.1 Cartridges loaded with unrecorded tape

temperature : 5 to 48 °C (40 to 120 °F)

relative humidity : 20 to 80 %

wet bulb temperature : not greater than 26 °C (80 °F)

3.3.2 Cartridges loaded with recorded tape

temperature : 5 to 32 °C (40 to 90 °F)

relative humidity : 20 to 80 %

wet bulb temperature : not greater than 25 °C (78 °F)

3.3.3 Cartridges without tape

Temperature and relative humidity of storage environment for cartridges without tape should be according to the recommendations of the manufacturers of the cartridge.

4 Description and operation

4.1 General

The self-loading cartridge is a collar which can be attached to the rim of a reel of magnetic tape and protect the tape against dust and contamination during storage and handling.