TC 97

International Standard ISO 7901

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

Information processing — Unrecorded, hard-sectored, 130 mm (5.25 in) flexible disk cartridges, one or two-sided use — Dimensional, physical, and magnetic characteristics

Traitement de l'information — Cartouches à disquette de 130 mm (5,25 in), *non enregistrées, à sectorisation matérielle, utilisant une ou deux faces — Caractéristiques dimensionnelles, physiques et magnétiques*

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Foreword

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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.

International Standard ISO 7901 was developed by Technical Committee ISO/TC 97, *Information processing systems*, and was circulated to the member bodies in March 1983.

It has been approved by the member bodies of the following countries :

Australia	Hungary	Romania
Austria	Ireland	Spain
Belgium	Japan	Sweden
Canada	Mexico	Switzerland
Czechoslovakia	Netherlands	United Kingdom
France	New Zealand	USA
Germany, F. R.	Poland	USSR

No member body expressed disapproval of the document.

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Information processing — Unrecorded, hard-sectored, 130 mm (5.25 in) flexible disk cartridges, one or two-sided use — Dimensional, physical, and magnetic characteristics

1 Scope and field of application

This International Standard specifies the dimensional, physical and magnetic characteristics of a 130 mm (5.25 in) unrecorded hard-sectored flexible disk cartridge for one or two-sided use.

Two types of flexible disk cartridges are specified depending on the number of sector holes.

NOTE — Numeric values in the SI and/or Imperial measurement system 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 converted. The original design was made using the Imperial measurement system.

2 References

ISO 6596/1, *Information processing — Data interchange on* 130 mm (5.25 in) *flexible disk cartridges using two-frequency recording at* 7 958 ftprad *on one side — Part 1 : Dimensional, physical, and magnetic characteristics.*

ISO 7487/1, *Information processing — Data interchange on* 130 mm (5.25 in) *flexible disk cartridges using modified frequency modulation recording at* 7 958 ftprad, 1,9 tpmm (48 tpi) *on two sides — Part 1 : Dimensional, physical and magnetic characteristics.*[1)]

3 Specification

A flexible disk cartridge according to this International Standard shall meet all requirements of ISO 6596/1 for one-sided recording and ISO 7487/1 for two-sided recording. In addition it shall meet the requirements of clause 4.

4 Conformance

A hard-sectored 130 mm (5.25 in) flexible disk cartridge is in conformance with this International Standard if it meets one of the following sets of requirements :

- those for Type A and for 6596/1; or
- those for Type A and for 7487/1; or
- those for Type B and for 6596/1; or
- those for Type B and for 7487/1.

5 Sector holes

5.1 Diameter of the sector holes

The diameter of the sector holes shall be

$d_5 = 2{,}54 \pm 0{,}05$ mm (0.100 ± 0.002 in)

5.2 Position of the sector holes

The sector holes shall be positioned on a circle of radius r_4 which shall be

$r_4 = 25{,}40 \pm 0{,}05$ mm (1.000 ± 0.002 in)

1) At present at the stage of draft.