
International Standard



7929

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

Information processing — Magnetic disk for data storage devices — 83 000 flux transitions per track, 130 mm (5.12 in) outer diameter, 40 mm (1.57 in) inner diameter

Traitement de l'information — Disque magnétique pour unités de stockage des données — 83 000 transitions de flux par piste, diamètre extérieur 130 mm (5,12 in), diamètre intérieur 40 mm (1,57 in)

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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 7929 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

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Information processing — Magnetic disk for data storage devices — 83 000 flux transitions per track, 130 mm (5.12 in) outer diameter, 40 mm (1.57 in) inner diameter

1 Scope and field of application

This International Standard specifies the mechanical, physical and magnetic characteristics of a lubricated magnetic disk of 130 mm (5.12 in) outer diameter and 40 mm (1.57 in) inner diameter intended for mounting in data storage devices.

This International Standard defines the requirements for a disk to give satisfactory performance at 83 332 flux transitions per track.

When used at other densities, equivalent performance may require changes to the mechanical, magnetic and electrical criteria.

NOTE — The original design of the subject of this International Standard was made using the Imperial measurement system. Some later developments, however, have been made using SI units. In the process of conversion into the alternative system, values may have been rounded. Therefore, the two sets of figures are consistent with, but not exactly equal to, each other. Either set may be used, but the two should neither be mixed nor reconverted.

2 Reference

ISO 1302, *Technical drawings — Method of indicating surface texture on drawings.*