International Standard 8064

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

Information processing — Reels for 12,7 mm (0.5 in) wide magnetic tapes — Sizes 16, 18 and 22

Traitement de l'information — Bobines pour bandes magnétiques de 12,7 mm (0,5 in) *de large — Types 16, 18 et 22*

First edition — 1985-06-15

UDC 681.327.64 **Ref. No. ISO 8064-1985 (E)**

Descriptors : data processing, information interchange, data storage devices, magnetic tapes, half-inch magnetic tapes, bobbins, specifications, dimensions, labelling.

Price based on 6 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 8064 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

Contents

This page intentionally left blank

Information processing — Reels for 12,7 mm (0.5 in) wide magnetic tapes — Sizes 16, 18 and 22

1 Scope and field of application

This International Standard specifies the characteristics of three sizes of reels for 12,7 mm (0.5 in) wide magnetic tape to allow physical interchangeability of such reels. The sizes are

size 16

size 18

size 22

Their dimensions differ only in the overall diameter of their flanges. All other requirements of this International Standard apply equally to all three sizes. All requirements refer to empty reels, except for 8.2 which refers to full reels.

Reels specified in this International Standard are intended for applications where the larger reel (size 27) specified in ISO 1864 is not used.

Reels complying with this International Standard cannot be used with the self-loading cartridge specified in ISO 6098.

NOTE — Numeric values in the SI and/or Imperial measurement system in this International Standard may have been rounded off 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 made using the Imperial measurement system.

2 References

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.*

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

3 Conformance

A reel is in conformance with this International Standard when it has one of the three diameters specified in 6.3 and meets all other mandatory requirements of this International Standard.

4 Description

A reel, in accordance with this International Standard is shown in the figure, for illustrative purposes. The reel shall comprise a hub and two flanges. The front flange shall exhibit a circular relieved area. The rear flange shall exhibit a circular groove for a write-enable ring.

5 Construction

5.1 Cross-section

Reels shall be constructed such that any cross-section taken through the central axis of the reel conforms to the cross-section shown in the figure.

The ring groove may have a recess to accommodate the write-enable ring tab, as an option. This recess shall not interfere with normal tape transport performance.

5.2 Symmetry of reel

Reels shall not be symmetrical, the flanges differing from each other as to the presence or absence of a relieved area or the write-enable ring groove, which shall be adjacent to the mounting pedestal for correct machine operation.

5.3 Hub and flanges

Hub and flanges need not be integral, but may be separate parts at the manufacturer's option as long as all requirements of this International Standard are met.

5.4 Outside surfaces of flanges

Bosses, ribs or raised designs are permitted on the outside surface of the flanges, provided that they do not extend beyond the cross-hatched envelope of the cross-section shown in the figure.