
INTERNATIONAL STANDARD



1681

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**Information processing — Unpunched paper cards —
Specification**

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Descriptors : data processing, data storage devices, punched cards, paper products, specifications, characteristics, dimensions, tests.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, International Standard ISO 1681 replaces ISO Recommendation R 1681-1970 drawn up by Technical Committee ISO/TC 97, *Computers and information processing*.

The Member Bodies of the following countries approved the Recommendation :

Australia	Greece	Spain
Belgium	Israel	Sweden
Brazil	Italy	Switzerland
Canada	Japan	Thailand
Czechoslovakia	New Zealand	Turkey
Egypt, Arab Rep. of	Peru	United Kingdom
France	Poland	U.S.A.
Germany	Romania	

No Member Body expressed disapproval of the Recommendation.

Information processing – Unpunched paper cards – Specification

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the characteristics of general purpose unpunched paper cards to be used for information interchange between different punched card equipments.

2 REFERENCES

ISO/R 534, *Determination of the thickness of single sheets of paper.*

ISO/R 536, *Determination of paper substance.*

ISO/R 1974, *Paper – Determination of tearing resistance.*

ISO/R 2144, *Paper and board – Determination of ash.*

ISO 2493, *Paper and board – Determination of stiffness – Static bending method.*

ISO 2494, *Paper and board – Determination of roughness – Constant-pressure air-flow method.*¹⁾

ISO 2758, *Paper – Determination of bursting strength.*¹⁾

3 DETAIL REQUIREMENTS

3.1 Grain

The grain of the paper shall be in the direction of the card length.

3.2 Defects

Cards shall be free from defects which may cause excessive wear or interfere with the normal operation of data processing equipment.

Among these defects are: holes, magnetic particles, electrically conductive particles, dust, fibres protruding from edges or surfaces of the card, abrasive materials, residual chemicals, slime spots, other brittle areas and translucent spots which could cause reading errors in equipment.

3.3 Card dimensions

3.3.1 Nominal dimensions (see figure 1).

The card shall be a nominal rectangle of 187,32 × 82,55 mm (7.375 × 3.250 in).

3.3.2 Actual dimensions

All points on the edges of the card except as modified by 3.6 (Corners) shall fall between two concentric, similarly aligned, parallelograms which are dimensioned as follows:

– outer parallelogram :	
height	82,73 mm (3.257 in)
base length	187,45 mm (7.380 in)
– inner parallelogram :	
height	82,47 mm (3.247 in)
base length	187,20 mm (7.370 in)

angles comprised between $90^{\circ} + 5'$ et $90^{\circ} - 5'$ (equivalent to 0,12 mm (0.004 7 in) projection of short side onto long side).

1) At present at the stage of draft.