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**INFORMATION PROCESSING
REELS AND CORES FOR
25.4 mm PERFORATED
PAPER TAPE FOR
INFORMATION
INTERCHANGE—
DIMENSIONS**



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Bankers Association
Australian Bureau of Statistics
Australian Computer Users Association
Australian Public Service Board
CSIRO, Division of Computing Research
Department of Defence
Life Offices Association of Australasia
Manufacturers of data processing equipment
National Library of Australia
Office Equipment Industry Association of Australia
Qantas Airways Limited
Telecom Australia
Universities and Colleges

This standard, prepared by Committee MS/20, Computers and Information Processing, was approved on behalf of the Council of the Standards Association of Australia on 7 February 1978, and was published on 1 May 1978.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

This standard was issued in draft form for public review as DR 75144.

AUSTRALIAN STANDARD SPECIFICATION

**REELS AND CORES FOR
25.4 mm PERFORATED
PAPER TAPE
FOR INFORMATION
INTERCHANGE—
DIMENSIONS**

AS 2151—1978

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PREFACE

This standard was prepared by the Association's Committee on Computers and Information Processing.

The standard lays down the dimensions of take-up (or storage) reels with separable flanges, and of cores, so that rolls of perforated tape may be interchanged among machines of various manufacturers. It is also intended to serve as a guide in the coordination of equipment design.

A compatible reel and core are described. These can be used together or either one can be used separately to transfer tape from one machine to another. Drawings and tables of dimensions for both reels and cores are included and mounting arrangements are taken into consideration.

This standard is technically identical with International Standard ISO 3692.

This standard makes reference to the following Australian standard:

AS 1341 Unpunched Paper Tape

The following Australian standards are related:

AS 1069 Dimensions for Punched Paper Tape for Data Interchange

AS 1305 Punched Tape for Data Interchange
Part 1—General Requirements.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification for

DIMENSIONS OF REELS AND CORES FOR 25.4 mm PERFORATED PAPER TAPE FOR INFORMATION INTERCHANGE

1 SCOPE. This standard lays down the dimensions of take-up (for storage) reels with separable flanges, and of cores, so that rolls of perforated tape may be interchanged among machines of various manufacturers. It is also intended to serve as a guide in the coordination of equipment design.

A compatible reel and core are described. These can be used together or either one can be used separately to transfer tape from one machine to another.

2 REFERENCE. The following standard is referred to:
AS 1341 Unpunched Paper Tape.

3 REEL DIMENSIONS.

3.1 General.

3.1.1 The reel is to be driven by a spindle with a diameter of 12.7 mm.

The small hub size limits the permissible drive torque and acceleration, but permits maximum tape capacity for any outside diameter.

3.1.2 The reel mounting arrangement shall be symmetrical so that the reel may be attached to its drive system with either side out.

3.1.3 The reel shall have means for securing either the core or the tape to the hub and shall have suitable openings for access to the securing means.

3.2 Dimensions.

3.2.1 The dimensions shall be as specified in Fig. 1 and Table 1.

3.2.2 The outside of the hub, of diameter B , must accept and drive the core described in Clause 4. The design of the hub must not preclude the use of the reel as a supply reel and therefore must accommodate a cylindrical core with a minimum internal diameter of 50.8 mm as described in AS 1341.

Cylindrical cores of this type, if smooth (as frequently supplied in rolls of unpunched paper tape), shall not be used for interchange.

3.2.3 A plane area of diameter C , concentric with the hub inside diameter, shall be provided at each end of the hub to locate the reel with respect to a platform on the drive spindle.

The outside surface of the reel shall be free of axial projections beyond the planes of these platform seats over the minimum clearance area D .