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# Australian Standard 1005—1980

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## SPOOLS FOR MAGNET WINDING WIRES

STANDARDS ASSOCIATION  
OF AUSTRALIA  
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Australian-British Trade Association  
Australian Electrical and Electronic Manufacturers Association  
Confederation of Australian Industry  
Defence Standardization Committee  
Department of Construction  
Department of Transport  
Electrical Approvals Authorities  
Electrical Contractors Associations of Australia  
Electrical Testing Laboratories  
Electricity Supply Association of Australia  
Metals Industry Organizations  
Railways of Australia Committee  
Representative of SAA Committee EL/2  
Telecom Australia

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This standard, prepared by Committee EL/3, Electric Wires and Cables, was approved on behalf of the Council of the Standards Association of Australia on 25 August 1980, and was published on 1 November 1980.

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*This standard was issued in draft form for public review as DR 79148.*

**AUSTRALIAN STANDARD**

# **SPOOLS FOR MAGNET WINDING WIRES**

**AS 1005—1980**

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## PREFACE

This standard was prepared by the Association's Committee on Electric Wires and Cables to supersede AS 1005—1970.

This edition of the standard principally differs from AS 1005—1970 by the deletion of Section 4, Cylindrical Containers for Bulk Packaging (pail packs). These containers have been excluded following advice that demand for such containers is low and their use is to cease.

The standard now comprises Section 1, Parallel-barrelled Delivery Spools for Winding Wires, and Section 2, Taper-barrelled Delivery Spools for Magnet Winding Wires.

The spools specified herein are similar to those specified in IEC 264-2, as amended by Amendment No 1—1975, and in IEC 264-3, and differ only in that a radius is specified for each flange edge.

In the preparation of the standard cognizance was taken of the following publications and acknowledgement is expressed of the assistance received therefrom:

IEC 264-2, Packaging of Winding Wires, Part 2, Delivery Spools for Winding Wire  
IEC 264-3, Packaging of Winding Wires, Part 3, Taper-Barrelled Delivery Spools for Winding Wires.

This standard makes reference to the following Australian standard:

AS 1194 Enamelled Round Aluminium Winding Wires

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## STANDARDS ASSOCIATION OF AUSTRALIA

## Australian Standard

for

## SPOOLS FOR MAGNET WINDING WIRES

SECTION 1. PARALLEL-BARRELLED DELIVERY SPOOLS  
FOR MAGNET WINDING WIRES

**1.1 SCOPE OF SECTION.** This Section of this standard specifies requirements for parallel-barrelled delivery spools for magnet winding wires.

**1.2 DIMENSIONS.** The dimensions of delivery spools shall be as shown in Fig. 1.1 and Table 1.1.

NOTE: Fig. 1.1 is given only to identify the dimensions and is not intended to show any particular construction.

**1.3 MATERIAL.** The material shall be as specified by the purchaser.

**1.4 FINISH AND CONSTRUCTION.** The inner sides of the flanges which may come in contact with the wire shall be sufficiently smooth to avoid entangling the wire during withdrawal.

At least one lead-through hole shall be provided in each spool

The imbalance and axial throw of the flanges shall be negligible. The flanges shall be formed so that a label can be attached.

**1.5 TYPE DESIGNATION.** Parallel-barrelled delivery spools shall be identified by dimension  $d_1$ , in accordance with Table 1.1, as follows:

Delivery spool Type 100

NOTE: The type designation will usually be marked on the spools in the form, e.g. 'AS 1194, 100'; however, manufacturers who place the number of this Australian standard on spools, packaging or literature related thereto, should ensure that the spools are manufactured to comply with the standard.