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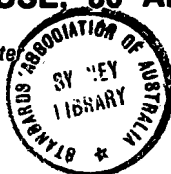
Australian Standard 3125—1982

APPROVAL AND TEST SPECIFICATION FOR ELECTRIC DRY SHAVERS AND HAIR CLIPPERS



**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
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Represented on the committee which was responsible for the preparation of this standard were the following:

- Australian Consumers Association
- Australian Electrical and Electronic Manufacturers Association
- Confederation of Australian Industry
- Electrical Apparatus Approvals Authorities
- Electrical Testing Laboratories
- Electricity Supply Association of Australia
- Electronics Importers Association

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Revised and issued as AS 3125	1975 ✓
Second edition	1982

PREFACE

This edition of this specification, prepared by Committee EL/2, Electrical Approvals Standards, was approved on behalf of the Council of the Standards Association of Australia on 22 February 1982, and was published on 24 May 1982.

It is one of a series of approval and test specifications issued by the Association. These specifications are accompanied by a general specification AS 3100, containing definitions and general requirements for electrical materials and equipment. The purpose of these specifications is to outline conditions which must be met to secure approval for the sale and use of electrical equipment in Australia. Only safety matters and related conditions are covered.

This edition is technically identical with the 1975 edition except that it incorporates Amendments Nos 1, 2 and 3 to that edition which were issued in March 1975, August 1977 and August 1978 respectively, and includes changes to the following clauses:

Clause 4.1—modifies requirements for connection.

*Table 1—additional tests.

†Clause 16.8—adds fire test.

‡Clause 16.9—adds test for d.c. component.

This specification supersedes AS 3125—1975 from date of publication.

The Association desires to call attention to the fact that this specification does not purport to include all the necessary provisions of a contract.

This specification requires reference to the following Australian standard approval and test specifications:

AS 3100	Definitions and General Requirements for Electrical Materials and Equipment
AS 3126	Extra-low Voltage Transformers
AS 3145	Radio Interference Suppression Devices
AS 3121	Insulating Mouldings
AS C109	Application Plugs and Appliance Inlet Sockets.

*Test No 9 forms part of the specification on 1 January 1983.

†Test No 10 forms part of the specification on 1 March 1983.

†This Clause forms part of the specification on 1 January 1983.

‡This Clause forms part of the specification on 1 March 1983.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
APPROVAL AND TEST SPECIFICATION
FOR
ELECTRIC DRY SHAVERS AND HAIR CLIPPERS

This specification shall be read in conjunction with AS 3100. (See also Clause 3, below.)

1 SCOPE. This specification applies to electrically operated dry shavers and hair clippers. It applies both to domestic and commercial dry shavers and hair clippers, and to any special appliance plug, any flexible cord, any resistance, and any transformer for use with the dry shaver or hair clipper to enable its connection to supply mains.

2 DEFINITIONS. For the purpose of this specification, the following definitions apply:

2.1 Electric dry shaver—a device incorporating an electric motor or vibrator mechanism actuating cutters intended for removal of beard; and hereinafter referred to as a 'dry shaver'.

2.2 Electric hair clipper—a device incorporating an electric motor or vibrator mechanism, actuating cutters intended for trimming hair on a person or on an animal, but not including sheep shearing devices or devices driven by a flexible shaft or belting; and hereinafter referred to as a 'hair clipper'.

3 COMPLIANCE WITH SPECIFICATIONS.

3.1 General Requirements of Specification 3100. This specification shall be read in conjunction with AS 3100, and the appropriate provisions of AS 3100 shall apply to the construction of the dry shaver or hair clipper and of any accessory or apparatus supplied therewith and to the insulation and/or safeguarding of parts which normally carry current.

3.2 Specific Requirements of this Specification. A dry shaver or hair clipper and any accessory or apparatus for use therewith shall be deemed to comply with this specification only if it complies with all the requirements of this specification and passes the tests specified herein.

3.3 Requirements of Other Specifications. Equipment and components, the function of which is likely to give rise to a hazard, incorporated in a dry shaver or hair clipper, shall comply with the appropriate requirements of any relevant approval and test specification.

4 MEANS OF CONNECTION.

4.1 Means to be Provided. The dry shaver or hair clipper shall be provided with one of the following means of connection to the supply:

- (a) An appliance inlet socket with or without a corresponding appliance plug.
- (b) A power supply cord which shall be assembled with the appliance by one of the following methods:
 - Type X attachment.
 - Type M attachment.
 - Type Y attachment.

4.2 Appliance with Inlet-socket. If the appliance is provided with an appliance inlet-socket which does not comply with the dimensions specified in AS C109 for inlet-sockets of Type A or Type B, the appliance shall be supplied complete with a corresponding appliance plug. Such an appliance plug and inlet-socket shall be deemed to be part of the appliance and need not comply with AS C109.

Any connection in the form of an appliance plug and inlet-socket shall be such that, while inserting or withdrawing the plug, live pins cannot be touched with the standard test finger, as described in Clause 8.10 of AS 3100.

NOTE: A revision of AS C109 is being undertaken. The aim is to develop an appliance plug with internal earthing connections, in line with IEC recommendations, to replace the existing Type A and Type B appliance plugs.

4.3 Protection of Flexible Cord. Provision shall be made, in the form of a suitable sleeve, guard or other equivalent device, for preventing sharp bending of, or mechanical damage to, the flexible cord where it enters the appliance or appliance plug. Any such protective device shall be of insulating material and held securely in position.

Where a suitable bellmouth is provided, the requirements of the preceding paragraph do not apply to a dry shaver or hair clipper.

5 FLEXIBLE CORD AND CONNECTING PLUG. Where required by Clause 4.4 of AS 3100, the dry shaver or hair clipper shall be provided with a supply flexible cord and connecting plug.

Any flexible cord provided with a dry shaver or hair clipper for the purpose of connecting it to the supply shall—

- (a) be of a type complying with AS 3191 except that clippers intended for use with animals be not inferior to an ordinary duty sheathed type;
- (b) be correctly wired in accordance with the appropriate requirements of Clause 4.4 of AS 3100; and
- (c) have a free length of not less than 1.8 m.

6 EXPOSED METAL PARTS.

6.1 Dry Shavers. Except where designed for operation at extra-low voltage, dry shavers shall have no exposed metal parts and any external metal parts shall be separated from live parts by double insulation.

6.2 Hair Clippers. Except for hair clippers designed for operation at a voltage not exceeding 32 V, facilities shall be provided for the earthing of any exposed metal (see AS 3100, Clause 2.21), and all such exposed metal shall be effectively bonded to the earthing terminal or connection.