

AS/NZS IEC 60336:2022
IEC 60336:2020



Australian/New Zealand Standard™

Medical electrical equipment — X-ray tube assemblies for medical diagnosis — Focal spot dimensions and related characteristics



AS/NZS IEC 60336:2022

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee HE-003, Medical Electrical Equipment. It was approved on behalf of the Council of Standards Australia on 7 April 2022 and by the New Zealand Standards Approval Board on 4 May 2022.

This Standard was published on 20 May 2022.

The following are represented on Committee HE-003:

- AusBiotech
- Australasian College of Physical Scientists and Engineers in Medicine
- Australian & New Zealand College of Anaesthetists
- Australian College of Perioperative Nurses
- Australian Dental Association
- Australian Radiation Protection and Nuclear Safety Agency
- Australian Society of Anaesthetists
- Certification Body Australia (Certification Interests Australia)
- College of Biomedical Engineering Engineers Australia
- Department of Defence (Australian Government)
- Engineers Australia
- Medical Technology Association of Australia
- Medical Technology Association of New Zealand
- MidCentral District Health Board
- National Clinical Engineering Managers Forum (For District Health Boards)
- Queensland Health
- Therapeutic Goods Administration
- WorkSafe New Zealand

This Standard was issued in draft form for comment as DR AS/NZS IEC 60336:2022.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

www.standards.govt.nz

ISBN 978 1 76113 760 0

Australian/New Zealand Standard™

Medical electrical equipment — X-ray tube assemblies for medical diagnosis — Focal spot dimensions and related characteristics

Originated as AS/NZS 4274:1995.
Revised and redesignated as AS/NZS IEC 60336:2022.



© IEC Geneva Switzerland 2022 — All rights reserved
© Standards Australia Limited/the Crown in right of New Zealand, administered by the New Zealand Standards Executive 2022

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of either the IEC or the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth) or the Copyright Act 1994 (New Zealand). If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please see the contact details on the back cover or the contact us page of the website for further information.

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee HE-003, Medical Electrical Equipment, to supersede AS/NZS 4274:1995, *X-ray tube assemblies for medical diagnosis—Characteristics of focal spots*.

The objective of this document is to describe the test methods employing digital detectors for determining —

- (a) focal spot dimensions in terms of nominal focal spot values, ranging from 0.1 to 3.0;
- (b) line spread functions;
- (c) cone-dimensional modulation transfer functions;
- (d) focal spot pinhole radiograms; and
- (e) the means for indicating conformance.

This document applies to focal spots in medical diagnostic X-ray tube assemblies for medical use, operating at X-ray tube voltages up to and including 150 kV.

This document is identical with, and has been reproduced from, IEC 60336:2020, *Medical electrical equipment — X-ray tube assemblies for medical diagnosis — Focal spot dimensions and related characteristics*.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

NOTES

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-