

Australian Standard™

**Non-destructive testing—Ultrasonic
methods—Evaluation and quality
classification of metal bearing bonds
(ISO 4386-1:1992, MOD)**

This Australian Standard was prepared by Committee MT-007, Non-Destructive Testing of Metals and Minerals. It was approved on behalf of the Council of Standards Australia on 11 August 2003 and published on 18 September 2003.

The following are represented on Committee MT-007:

Australasian Railway Association
Australasian Aerospace Non-Destructive Testing Committee
Australian Industry Group
Australian Institute for Non-Destructive Testing
ANSTO
Australian Pipeline Association
Bureau of Steel Manufacturers of Australia
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TestSafe Australia
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RECONFIRMATION

OF

AS 2824—2003

**Non-destructive testing—Ultrasonic methods—Evaluation and quality
classification of metal bearing bonds (ISO 4386-1:1992, MOD)**

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 2 March 2017.

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee MT-007, Non-Destructive Testing of Metals and Materials to supersede AS 2824—1985. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard is an adoption with national modifications and is reproduced from ISO 4386-1:1992, *Plain bearings—Metallic multilayer plain bearings, Part 1: Non-destructive ultrasonic testing of bond*.

Variations to the ISO text for Australia are set out in Appendix ZZ. Changes to the ISO text are indicated by a marginal bar. Variations include—the reference block complying with ISO 2400 and ISO 7963 in Clause 8.1.2 is replaced by AS 2083, Calibration block number 5; ISO Clause 11 has been changed to conform with established Australian practices for non-destructive ultrasonic testing of bond; and requirements for the qualifications of non-destructive examination personnel have been applied in a new Clause 12.

As this Standard is reproduced from an international Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this part of ISO 4386’ should read ‘this Australian Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

References to international Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>
ISO		AS
2400	Welds in steel—Reference block for the calibration of equipment for ultrasonic examination	2083 Calibration blocks and their methods of use in ultrasonic testing (See Appendix ZZ)
4386	Plain bearings—Metallic multilayer plain bearings	
4386-2	Part 2: Destructive testing of bond for bearing metal layer thickness greater than or equal to 2 mm	—
4386-3	Part 3: Non-destructive penetrant testing	—
7963	Welds in steel—Calibration block No 2 for ultrasonic examination of welds	2083 Calibration blocks and their methods of use in ultrasonic testing (See Appendix ZZ)

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ annex and appendix are integral parts of the Standard, whereas an ‘informative’ appendix is only for information and guidance.

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