

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2205.3.1—2003

**Methods for destructive testing of welds in metal
Method 3.1: Transverse guided bend test**

RECONFIRMATION NOTICE

Major stakeholders of this publication have reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 12 January 2018.

NOTES

Methods for destructive testing of welds in metal**Method 3.1: Transverse guided bend test**

PREFACE

This Standard was prepared by the Standards Australia Committee WD-006, Testing of Welds, to supersede AS 2205.3.1—1997.

The objective of this edition is to update the Standard and include editorial changes in accordance with current Standards Australia editorial policy.

METHOD

1 SCOPE

This Standard sets out a method for transverse guided bend testing of a welded joint.

2 REFERENCED DOCUMENT

The following document is referred to in this Standard:

AS

2205 Methods for destructive testing of welds in metal

2205.1 Method 1: General requirements for tests

3 PRINCIPLE

The face, root or side of a transverse weld section is placed in tension by bending with a former of specified dimensions, then examined to assess the soundness and transverse ductility of the joint at the weld zone.

4 PREPARATION OF TEST SPECIMEN

The test specimen shall be prepared in accordance with AS 2205.1 and the following:

- (a) *Form and dimensions* The form and dimensions of the test specimen shall be in accordance with Figure 1(a), (b), (d) and (g) as follows:
 - (i) Figure 1(a)—face and root bend test specimens, plate ≤ 20 mm and pipe ≤ 12 mm.
 - (ii) Figure 1(b)—face and root bend test specimens, plate > 20 mm.
 - (iii) Figure 1(d)—side bend test specimen in roller jig.
 - (iv) Figure 1(g)—joggle-butt face and root bend test specimen.
- (b) *Face and root bend specimen—thickness* A face or root bend test specimen shall be the full thickness of the parent material at the welded joint, for parent metal thicknesses up to 20 mm.