STANDARDS AUSTRALIA

RECONFIRMATION

OF
AS 2205.3.5—2003
Methods for destructive testing of welds in metal
Method 3.5: Tongue 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

AS 2205.3.5—2003
Reconfirmed 2018

Australian Standard™

Methods for destructive testing of welds in metal

Method 3.5: Tongue bend test

PREFACE

This Standard was prepared by the Standards Australia Committee WD-006, Testing of Welds, to supersede AS 2205.3.5—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 tongue bend testing of a welded pipe joint. The test aids in determining the soundness and ductility of a joint in a pipe by bending, around a former, a tongue of the pipe that contains a weld.

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

A test specimen is bent through 90° over a former of specified dimensions, so that the bend occurs at the root of the weld, and is examined to determine the soundness of the weld metal and the general condition of the specimen after bending.

4 PREPARATION OF TEST SPECIMEN

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

(a) The dimensions shall be as given in Figure 1.

(b) The external surface of the test specimen shall be dressed sufficiently to facilitate bending over the former and any excess penetration on the inner surface shall be dressed off until a maximum of 1 mm in excess of the wall thickness remains. Dressing shall not reduce the original thickness of the test specimen.