STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2205.8.2—2003

Methods for destructive testing of welds in metal

Method 8.2: Transverse fillet shear 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 2205.8.2—2003
Reconfirmed 2018

Australian Standard™

Methods for destructive testing of welds in metal

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PREFACE

This Standard was prepared by the Standards Australia Committee WD-006, Testing of Welds, to supersede AS 2205.8.2—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 fillet shear testing of a welded joint. The test determines the shear strength of a test specimen cut from a fillet welded joint having transverse welds.

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 with transverse fillet welds is prepared in a specified manner. The lengths of the welds are measured. A force is applied to the test specimen until the welds rupture. The shear strength of the joint and the shear stress of the welds are calculated.

4 PREPARATION OF TEST SPECIMEN

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

(a) It shall be prepared from full material thickness according to the form and dimensions of Figure 1(a).

(b) It shall be machined for the test as in Figure 1(b).