AS 2205.8.2:2025

Australian STANDARD®

STANDARDS Australia

Methods for destructive testing of welds in metal

Method 8.2: Transverse fillet shear test



AS 2205.8.2:2025

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Australian Chamber of Commerce and Industry
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Australian Manufacturing Workers Union
Australian Steel Association
Australian Steel Institute
Australian Welding Institute
Bureau of Steel Manufacturers of Australia
Energy Networks Australia
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Methods for destructive testing of welds in metal

Method 8.2: Transverse fillet shear test

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How to read this Standard

This page explains the meaning of the language and structure of this Standard.

Refer to Standards Australia's Standardisation Guide 006 for more details about drafting rules.

Australian and Australian/New Zealand Standards are voluntary unless they are referenced in legislation or called up in contracts.

Requirements

To conform to a Standard, all requirements in the Standard need to be met.

A requirement is any statement in the Standard which uses the word "shall".

Recommendations, permissions and possibilities

The following words are commonly used in Standards, but statements using them do not have to be followed to conform to the Standard:

(a) "should" means that something is recommended.

(b) "may" means that something is permitted.

(c) "can" means that something is possible.

Structure of Standards

A Standard always has the following parts:

(i) The Preface states who developed the Standard, what the Standard is aiming to do, and how it relates to other documents.

(ii) The Scope states what the Standard is about, what it covers and what it does not cover.

(iii) The Normative references clause lists other documents that are referenced in the Standard as part of requirements.

(iv) The Terms and definitions clause defines important terms to help with understanding the Standard.

A Standard may also include other parts, such as the following:

(1) A normative appendix sets additional requirements that need to be conformed to.

(2) An informative appendix provides additional information or guidance. They usually do not contain requirements. If an informative appendix does contain requirements, the Standard will explain when those requirements apply.

(3) A Bibliography lists documents referenced in the Standard but not as part of requirements.

Many Standards include notes. Notes provide recommendations and/or guidance only. They never contain requirements.

Preface

This document was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee WD-003, Welding of Structures, to supersede AS 2205.8.2—2003.

This document retains provision for the transverse fillet shear test from the 2003 edition, and has taken cognisance of shear test requirements for alternative product forms within current Australian and ISO Standards, including welded fabric and cross-joints in reinforcement materials.

The major changes in this edition are as follows:

(a) Addition of a shear test suitable for web to flange joints.

(b) Addition of a shear test method suitable for welded cross joints in reinforcing materials, round bars and welded mesh.

(c) Correction of errors.

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