

Australian Standard®

Methods for destructive testing of welds in metal

Method 5.1: Macro metallographic test for cross-section examination

PREFACE

This Standard was prepared by the Standards Australia Committee WD/6 on Testing of Welds to supersede AS 2205.5.1—1988, *Methods of destructive testing of welds in metal*, Part 5: *Metallographic tests*, Method 5.1: *Macro test*—*Cross-section examination*.

This edition does not include any technical changes from the previous edition, except that references to other Standards have been brought up to date. It includes some editorial improvements.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

METHOD

1 SCOPE This Standard sets out a method for macro testing of a welded joint. The test reveals the weld shape, the extent of penetration and the soundness of the welded joint.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1863	Coated abrasives (technical products)
2205	Methods for destructive testing of welds in metal
2205.1	Method 1: General requirements for tests
2205.6.1	Method 6: Weld joint hardness test
2243	Safety in laboratories
2243.1	Part 1: General
2243.2	Part 2: Chemical aspects

3 PRINCIPLE A cross-section of a welded joint is prepared in a specified manner and examined visually.

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 test specimen shall be detached from the weld zone as specified in the relevant application Standard to the dimensions indicated in Figure 1.