

STANDARDS AUSTRALIA

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**RECONFIRMATION**

**OF**

**AS 2505.3—2004**

**Metallic materials**

**Method 3: Tubular products—Bend and related tests**

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**RECONFIRMATION NOTICE**

Technical Committee MT-009 has 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 20 March 2017.

The following are represented on Technical Committee MT-009:

Australasian Institute of Surface Finishing  
Australian Chamber of Commerce and Industry  
Australian Industry Group  
Australian Steel Institute  
Bureau of Steel Manufacturers of Australia  
Galvanizers Association of Australia  
Galvanizing Association of New Zealand  
New Zealand Metal Roofing Manufacturers

## NOTES

**Metallic materials****Method 3: Tubular products—Bend and related tests**

## PREFACE

This Standard was prepared by Standards Australia Committee MT-006, Mechanical Testing of Metals to supersede AS 2503.3—1989, *Methods for bend and related testing of metals*, Method 3: *Tubular products*.

The objective of this revision is to revise the testing procedure to allow a wider variation in sizes.

This Standard is a Method 3 of a series of Standards on the methods of bending wire and related testing of metals. The series comprises the following methods:

## AS

2505	Metallic materials
2505.1	Method 1: Sheet, strip and plate—Bend tests
2505.2	Method 2: Bars, rods and solid shapes—Bend tests
2405.3	Method 3: Tubular products—Bend and related tests (this Standard)
2405.4	Method 4: Wire—Reverse bend test
2505.5	Method 5: Wire—Simple torsion test
2505.6	Method 6: Wire—Wrapping test

## METHOD

**1 SCOPE**

This Standard specifies four test methods for determining the resistance of metallic seamless and welded tubes to plastic deformation.

NOTE: Criteria for assessment of results of tests are not included; they are set out in appropriate product Standards.

**2 DEFINITIONS**

For the purpose of this Standard, the definitions below apply.

**2.1 Test sample**

A portion of metal or product, or items selected from a batch or group by a sampling procedure.

**2.2 Test specimen**

A portion, or a single item, taken from a test sample for the purpose of applying a particular test.