

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

  

[Save](#)

[Resource detail](#)  
[Citations](#)

## AS 1391-1991 Metallic materials - Tensile testing at ambient temperature

[View on Information Provider website](#)

### Abbreviation

AS 1391-1991

### Amendment

AS 1391-1991/Amdt 1-1992

### Valid from

15/04/1991

---

### Information provider

SAI Global

### Author

Standards Australia

### Information type

Australian Standard

### Format

PDF, Hard copy

---

### Cited By

[This resource is cited by 6 documents \(show Citations\)](#)

---

### Description

This Standard sets out methods by which a test piece of metal is strained in uni-axial tension at room temperature in order to determine one or more of its tensile properties. It defines the properties to be determined and the terms used in describing tests and test pieces. The Standard also specifies the dimensions of standard test pieces and methods for tensile testing a wide range of product forms. This Standard does not cover through thickness tensile tests, tensile tests at elevated temperature (see AS 2291), the determination of uniform elongation (see AS 2346), or the measurement of plastic strain ratio (see AS 2403).

### Notes:

1. The properties which are to be determined and the criteria for assessment of the results of tests are not included; they should be set out in the relevant product Standard.
2. Advice and recommendations on information to be supplied by the purchaser at the time of enquiry and order for the testing to be performed are contained in Appendix A.

For assistance with locating previous versions, please contact the information provider.

[View on Information Provider website](#)

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

## AS 1391-1991 Metallic materials - Tensile testing at ambient temperature

This document is CITED BY:

- [AS 1397-2001](#)

AS 1391-1991 is cited by AS 1397-2001 Steel sheet and strip - Hot-dipped zinc-coated or aluminium/zinc-coated

- [AS 1566-1997](#)

AS 1391-1991 is cited by AS 1566-1997 (R2018) Copper and copper alloys - Rolled flat products

- [AS/NZS 1664.1:1997](#)

AS 1391-1991 is cited by AS/NZS 1664.1:1997 Aluminium structures - Limit state design

- [AS/NZS 1734:1997](#)

AS 1391-1991 is cited by AS/NZS 1734:1997 Aluminium and aluminium alloys - Flat sheet, coiled sheet and plate

- [AS/NZS 4600:2005](#)

AS 1391-1991 is cited by AS/NZS 4600:2005 Cold-formed steel structures

- [AS/NZS 4671:2001](#)

AS 1391-1991 is cited by AS/NZS 4671:2001 Steel reinforcing materials

Back

## AS 1391-1991 Metallic materials - Tensile testing at ambient temperature

Show what documents this resource is CITED BY

Show what documents this resource CITES

### Description

This Standard sets out methods by which a test piece of metal is strained in uni-axial tension at room temperature in order to determine one or more of its tensile properties. It defines the properties to be determined and the terms used in describing tests and test pieces. The Standard also specifies the dimensions of standard test pieces and methods for tensile testing a wide range of product forms. This Standard does not cover through thickness tensile tests, tensile tests at elevated temperature (see AS 2291), the determination of uniform elongation (see AS 2346), or the measurement of plastic strain ratio (see AS 2403).

### Notes:

1. The properties which are to be determined and the criteria for assessment of the results of tests are not included; they should be set out in the relevant product Standard.
2. Advice and recommendations on information to be supplied by the purchaser at the time of enquiry and order for the testing to be performed are contained in Appendix A.

[View on Information Provider website](#)

[AS 1391-1991 Metallic materials - Tensile testing at ambient temperature](#)

### Description

This Standard sets out methods by which a test piece of metal is strained in uni-axial tension at room temperature in order to determine one or more of its tensile properties. It defines the properties to be determined and the terms used in describing tests and test pieces. The Standard also specifies the dimensions of standard test pieces and methods for tensile testing a wide range of product forms. This Standard does not cover through thickness tensile tests, tensile tests at elevated temperature (see AS 2291), the determination of uniform elongation (see AS 2346), or the measurement of plastic strain ratio (see AS 2403).

Notes:

1. The properties which are to be determined and the criteria for assessment of the results of tests are not included; they should be set out in the relevant product Standard.
2. Advice and recommendations on information to be supplied by the purchaser at the time of enquiry and order for the testing to be performed are contained in Appendix A.

[View on Information Provider website](#)

This resource does not cite any other resources.

## AS 1391-1991 Metallic materials - Tensile testing at ambient temperature

This resource does not CITE any other resources.

Back

Close

Table of Contents

Print [Save](#) Email

[Feedback](#)

<input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>		

- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>		

[Feedback](#)